

# 7<sup>th</sup> World Congress on TRAUMA, SHOCK, INFLAMMATION AND SEPSIS – TSIS 2007

## Interdisciplinary Summit on Inflammation

### Programme

March 13<sup>th</sup> – 17<sup>th</sup>, 2007,  
Munich, Germany



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# 7<sup>th</sup> World Congress on TRAUMA, SHOCK, INFLAMMATION AND SEPSIS – TSIS 2007

## Interdisciplinary Summit on Inflammation



**March 13<sup>th</sup> – March 17<sup>th</sup>, 2007**

Clinical Center of the  
Ludwig-Maximilians-University  
– Campus Grosshadern –  
Munich, Germany

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# Greeting Messages

of

**Dr. E. Stoiber**

Prime Minister of Bavaria

**C. Ude**

Lord Mayor of Munich

**Prof. Dr. E. Faist, FACS**

Congress Chairman

**Prof. Dr. K.-W. Jauch**

Chairman, Dept. of Surgery  
Klinikum Grosshadern, University of Munich

Als Schirmherr des 7. Weltkongresses über Trauma, Schock, Entzündung und Sepsis heiÙe ich die Teilnehmer in der bayerischen Landeshauptstadt herzlich willkommen.



Ich freue mich, dass führende Zell- und Molekularbiologen, Physiologen, Pharmakologen, Repräsentanten der klinischen Praxis und viele andere interessierte Fachleute zu einem interdisziplinären Gedankenaustausch zusammenkommen. Entzündungsvorgänge im Körper sind gefährliche Prozesse für den Erkrankten und stellen für Ärzte eine große Herausforderung dar. Neueste Forschungsergebnisse ermöglichen vielversprechende Ansätze der Therapie. Die intensive wissenschaftliche Diskussion zwischen allen Beteiligten wird die Entwicklung weiter vorantreiben und kommt letztlich den Patienten zugute, die sich verbesserten Schutz vor entsprechenden Krankheiten und größere Chancen auf Heilung erwarten dürfen.

München bietet hervorragende Bedingungen für diesen Kongress. Hier haben nicht nur bedeutende Kliniken und international renommierte medizinische Forschungseinrichtungen ihren Sitz. Die einzigartige Atmosphäre und die kulturellen Anziehungspunkte machen die Stadt zudem als Tagungsort attraktiv. Ich bin überzeugt, die Teilnehmer werden hier neben dem wissenschaftlichen Programm Bayern von einer seiner schönsten Seiten erleben können.

Ich wünsche dem Kongress einen interessanten und aufschlussreichen Verlauf und den Teilnehmern einen angenehmen Aufenthalt in der bayerischen Landeshauptstadt.

A handwritten signature in black ink, which appears to read 'Edmund Stoiber'. The signature is fluid and cursive, with a large initial 'E'.

Dr. Edmund Stoiber  
Ministerpräsident Bayern

Auch heuer macht der „World Congress on Trauma, Shock, Inflammation and Sepsis“ seinem Rang und Ruf als weltweit größte Veranstaltung auf dem Gebiet der operativen Medizin und Intensivmedizin alle Ehre. Zum 7. Mal bereits führt er Naturwissenschaftler und Kliniker aus aller Welt am Klinikum Großhadern der Münchner Ludwig-Maximilians-Universität zusammen. 2500 Teilnehmerinnen und Teilnehmer werden dazu erwartet, und ich bin sicher: Ihnen allen wird der Tagungsort München wieder einen maßgeschneiderten Rahmen bieten. Zum einen als Zentrum der medizinischen Wissenschaft und Forschung, an dessen Renommee gerade auch die Hochschulmedizin und insbesondere auch das Klinikum Großhadern maßgeblichen Anteil hat. Zum anderen aber auch als Stadt der Weltoffenheit und der Begegnung, die zur fachlichen Tagungsarbeit mit dem zentralen Schwerpunkt „Interdisciplinary Summit on Inflammation“ den idealen Ausgleich schafft.



Gerne habe ich wieder die Schirmherrschaft übernommen und wünsche dem Kongress einen vollen Erfolg. Alle Gäste heiße ich dazu in München sehr herzlich willkommen!

A handwritten signature in black ink, which appears to read 'CUde'.

Christian Ude  
Oberbürgermeister der Landeshauptstadt München

On behalf of the Scientific Program Committee we welcome you to Munich, Germany for the **7<sup>th</sup> World Congress on Trauma, Shock, Inflammation and Sepsis – TSIS 2007**, from Tuesday, March 13<sup>th</sup> until Saturday, March 17<sup>th</sup>, 2007. The central program complex of TSIS 2007 is entitled „**Interdisciplinary Summit on Inflammation**“.

The last few years have seen a revolution in our understanding of inflammation – of how blood and tissue cells interact and of the intracellular mechanisms controlling their activation. This has not only provided multiple targets for potential anti-inflammatory and immunomodulatory therapy, but has also revealed the underlying inflammatory pathology of so many diseases. Thus, during TSIS 2007, all major disease entities, in which inflammatory processes play a central role, shall be presented. **Initiators and drivers of acute inflammation** – mechanical and burn trauma, shock and reperfusion injury, transplantation, infection and sepsis – will be widely discussed in numerous symposia. But also and very importantly the **biologic conditions of subclinical chronic inflammatory diseases** – metabolic syndrome, diabetes, atherosclerosis, autoimmunity (vasculitis, rheumatoid arthritis, inflammatory bowel disease), neuropathies and Alzheimer's disease – shall be comparatively analyzed.

Particularly, the panels will discuss the validity of the **danger signal theory** and associated molecular patterns of endokines and alarmins representing the potential common denominator of the initiating processes of inflammation.

**TSIS 2007** also provides the ideal venue to learn about the promise and limitations of genetics, genomics and proteomics within a series of conferences entitled **Challenges and Opportunities of High-Throughput Technology, Validation of Functional Genomics and Proteomics in Animal Models** as well as **Clinical Correlates of High-Throughput Technology**.

Within the section of **Monitoring and Imaging** two closely related entities will be extensively discussed in a series of presentations on: **The Use of Biomarkers in Acute and Chronic Inflammatory Disease** as well as the wide array of molecular imaging: **Functional Imaging beyond Morphology** and its invaluable application in chronic and acute organ dysfunction.

**The Scientific Program of TSIS 2007** also comprises a wide array of sessions related to **therapeutic approaches**. Very importantly, the **challenges in designing randomized clinical trials** with novel **antimicrobials, immunomodulatory agents** or under **difficult clinical situations** like in major trauma will be scrutinized. Following the major theme of the congress the common therapeutic denominators of acute and chronic inflammation will be demonstrated and will serve as an example of how to translate cellbiologic science into therapeutic gain.

The most complex conference program comprises around 850 contributions, distributed in more than **100 Symposia** and **Free Communication Sessions**.

The Scientific Committee greatly appreciates the fact that numerous distinguished **Scientific Societies and Institutions** have contributed to the program composition and have been expressing their esteem for the conference project via most supportive cooperation and through endorsing the conference by taking it under their auspices.

Further on, I do express my profound gratitude to so many loyal friends and colleagues that have been giving their strong and unflagging support to bring this huge program to life and have been accompanying us through long periods of hard work.

As in all previous TSIS congresses we will again strive with great enthusiasm to provide our guests and their accompanying friends with a superb and most entertaining **Social Activities Program** through the days of their congress visit.

On **Tuesday evening 6:00 pm** we invite you to the **Reception of the Prime Minister of Bavaria** at the **Emperor's Hall of the Residence** in the center of Munich, one of the most precious historical locations of the Bavarian capital.

**Wednesday evening** we will celebrate with you, immediately after finishing scientific program of that day, a roaring festivity – the **Carnaval da Inflamação, a Brazilian Music Festival** – with a sensational authentic band and a breathtaking dance group presenting an unforgettable contrast program to the headaches of heavy scientific information during the day.

The next day, **Thursday early morning**, the **TSIS-5 km-Run** – a not so serious sports event – will be organised in the periphery of the congress site.

Finally, on the **last congress night**, we invite you to the traditional **Gala-Dinner Music Entertainment** in the Ballroom of the famous **Hotel Bayerischer Hof**. The winners of the **A.E. Baue-Research Award** will be honoured. Thereafter will be the right time to dance and enjoy the evening with delicacies from kitchen and cellar, with great live music among old and new friends.

We are so thankful that you have followed our invitation to attend TSIS 2007 and will hopefully be able to convince you that your visit to Bavaria was worth every single valuable minute of your busy professional life.

Again, welcome to Munich, and my most sincere wishes, that TSIS 2007 will always be associated in all of us with great memories of a wonderful and valuable congress week.



Prof. Dr. Eugen Faist, FACS  
Congress Chairman



A cordial welcome to all participants of the „7th World Congress on Trauma, Shock, Inflammation and Sepsis“. Due to the enormous engagement of Dr. Eugen Faist for nearly three decades of research and clinical commitment in sepsis and multi organ failure our institution has the privilege to be your host.



Once again, for TSIS 2007 national and international experts cooperated closely within the scientific committee and the congress faculty to highlight the most recent results in research and clinical progress. The program will give a most detailed overview in various fields of clinical medicine and basic science with respect to immunoinflammatory alterations and reactions as seen in trauma and sepsis but also in patients with more chronic organ disorders, like autoimmune diseases, status post-transplantation or tumor associated states.

The challenge to overcome this battle has not changed during recent years especially due to increasing life expectancy, substantial multimorbidity as well as the tendency towards more invasive procedures in the patients for whom we care.

Septic patients warrant more and more of our awareness in the clinical and socioeconomic setting.

I wish all congress participants an interesting and stimulating congress with intensive scientific discussions, resulting in most useful take home messages to remember. TSIS 2007 will then truly contribute to improve patient care in critical illness - our most pronounced professional goal.

The Department of Surgery at the Clinical Center Grosshadern of the Ludwig-Maximilians-University of Munich with all staff members and residents is proud to again host such a prestigious conference in this field of medicine. As one of the leading European universities we feel most obliged towards a concentrated engagement in novel medical research.

I personally would like to thank again Dr. Faist and his team for their commitment as well as all the members of the scientific committee, the chairmen and the speakers for their devotion to make this conference a major success.

Hopefully, besides concentrated and rewarding scientific discussions in the conference halls, you will greatly enjoy your stay during TSIS 2007 and return home with rich emotions associated with new and old friendships that you could gain in Munich.

A handwritten signature in black ink, appearing to read 'K. W. Jauch', written in a cursive style.

Karl- Walter Jauch, M. D.  
Professor of Surgery and Chairman  
Dept. of Surgery  
Klinikum Grosshadern, LMU Munich

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# Societies and Boards

TSIS 2007 is organised in close cooperation with



Deutsche Forschungsgemeinschaft

<http://www.dfg.de/>



Federation of Clinical Immunology Societies

<http://www.focisnet.org/>



European Molecular Biology Organization

<http://www.embo.org/>



Deutsche Gesellschaft für Immunologie

<http://www.immunologie.de/>

**SCCM**

Society of Critical Care Medicine

<http://www.sccm.org/>



European Society of Intensive Care Medicine

<http://www.esicm.org/>



Japanese Society of Intensive Care Medicine

[http://www.jsicm.org/  
index\\_e.htm](http://www.jsicm.org/index_e.htm)



International Sepsis Forum

<http://www.sepsisforum.org/>



Surviving Sepsis Campaign

<http://www.survivingsepsis.com/>



International Federation of Shock Societies

<http://www.shocksocieties.org/>



US Shock Society

<http://www.shocksocieties.org/>



European Shock Society

[http://www.shocksocieties.org/  
european\\_society/newsletter/](http://www.shocksocieties.org/european_society/newsletter/)

# Societies and Boards



Japan Shock Society

<http://shock.umin.jp/>



Deutsche Gesellschaft für Anästhesiologie  
und Intensivmedizin

<http://www.dgai.de/>



Deutsche Gesellschaft für Wundheilung  
und Wundbehandlung e.V.

<http://www.dgfw.de/>



Gesellschaft für Gesundheit, Information  
und Prävention e.V.

<http://www.ggip.info/>



The Society of University Surgeons

<http://www.susweb.org/>



Deutsche Gesellschaft für Chirurgie

<http://www.dgch.de/>



Society of Academic & Research  
Surgery

<http://www.surgicalresearch.org.uk/>



The American Association for the  
Surgery of Trauma

<http://www.aast.org/>



Surgical Infection Society

<http://www.sisna.org/>



Surgical Infection Society Europe

<http://www.sis-e.org/>



European Society for Surgical Research

<http://www.essr.info>



British Trauma Society

<http://www.trauma.org/bts/>

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# Societies and Boards



International Society of Surgery

<http://www.iss-sic.ch/>



South African Association of Surgeons

<http://www.surgeon.co.za/>



Deutsche Gesellschaft für Innere Medizin

<http://www.dgim.de/>



Deutsche Gesellschaft für Kardiologie

<http://www.dgk.org/>



Deutsche Gesellschaft für Internistische  
Intensivmedizin und Notfallmedizin

<http://www.dgiin.de/>



Deutsche Interdisziplinäre Vereinigung für  
Intensiv- und Notfallmedizin

<http://www.divi-org.de/>



Deutsche Gesellschaft für Neurologie

<http://www.dgn.org/>



Deutsche Röntgengesellschaft

<http://www.drg.de/>



Deutsche Gesellschaft für Klinische Chemie  
und Laboratoriumsmedizin

<http://www.dgkl.de/>



Österreichische Gesellschaft für Klinische  
Chemie und Laboratoriumsmedizin

<http://www.oeglmkc.at/>



Deutsche Diabetes Gesellschaft

<http://www.deutsche-diabetes-gesellschaft.de/>



Paul-Ehrlich-Gesellschaft

<http://www.p-e-g.org/>

# Societies and Boards



Deutsche Sepsis Gesellschaft

[http://webanae.med.uni-jena.de/  
WebObjects/DSGPortal.woa/  
WebServerResources/index.html](http://webanae.med.uni-jena.de/WebObjects/DSGPortal.woa/WebServerResources/index.html)



The Society for Complexity in Acute Illness

<http://www.scai-med.org>



Deutsche Gesellschaft für Unfallchirurgie

<http://www.dgu-online.de/>



Mitochondrial Physiology

<http://www.mitophysiology.org>



RNA Network

<http://www.rna-network.com/>



Deutsche Gesellschaft zum Studium  
des Schmerzes

<http://www.dgss.org>



Society of Innate Immunity

[http://www.Society-  
Innateimmunity.org](http://www.Society-Innateimmunity.org)

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# Congress Committees

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## 7<sup>th</sup> World Congress on Trauma, Shock, Inflammation and Sepsis – TSIS 2007 – Interdisciplinary Summit on Inflammation

### Scientific Committee

#### Chairman: E. Faist

Department of Surgery, Ludwig-Maximilians-University of Munich –  
Klinikum Grosshadern

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## For all inquiries after the Congress please contact the Congress Secretariat:

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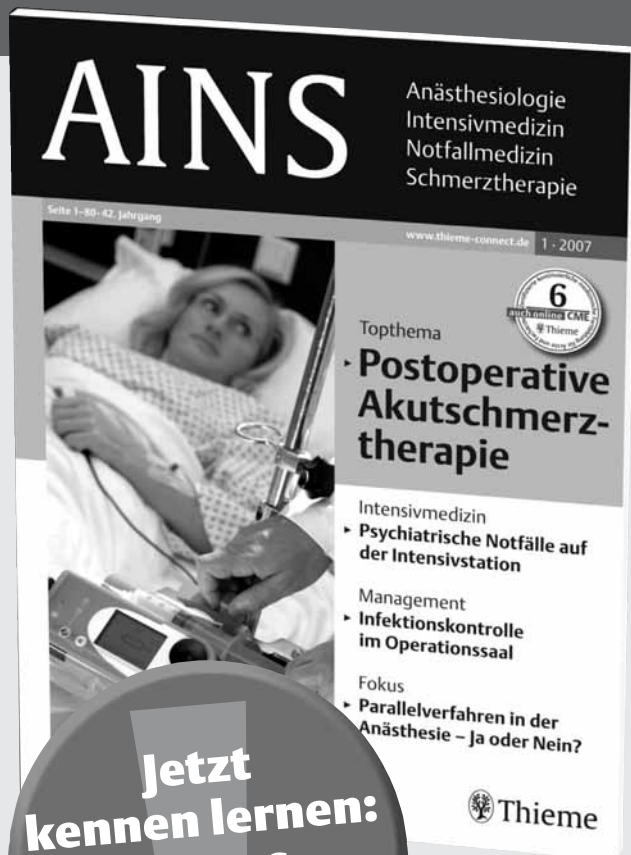
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Marth Silvia  
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Schneider Christian  
Trentzsch Heiko  
Weidenhagen Rolf  
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# General Information

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**Congress Chairman**     **Eugen Faist, MD, FACS**, Professor of Surgery  
Department of Surgery  
Ludwig-Maximilians-University Munich  
Klinikum Grosshadern

**Hosting Institution**     Department of Surgery  
Ludwig-Maximilians-University Munich  
Klinikum Grosshadern  
Professor and Chairman **Karl W. Jauch, MD**

**Congress Date**             **March 13<sup>th</sup> – March 17<sup>th</sup>, 2007**

**Congress Office**            The congress office is located in the foyer of the  
auditorium section.

**Office hours:**

Tuesday, March 13th	1:00 pm – 5:00 pm
Wednesday, March 14th	7:00 am – 7:00 pm
Thursday, March 15th	7:30 am – 7:00 pm
Friday, March 16th	7:30 am – 7:00 pm
Saturday, March 17th	7:30 am – 6:00 pm

Phone: +49 (0)89-7095-4700 / -4701

Congress office services:

- Registration
- Information
- Reservation for all social events

**Hotel Accommodation, Travel Arrangements, Post Congress Tours Industrial Exhibition**     **EUROKONGRESS**  
Isartorplatz 3  
80331 Munich, Germany  
Phone: +49 (0)89-2109860  
Telefax: +49 (0)89-21098698  
E-mail: [TSIS2007@Eurokongress.de](mailto:TSIS2007@Eurokongress.de)

<b>Registration Fees</b>	Participants	690,-
	Residents/Students	490,-
	One-day ticket	390,-
	TSIS-5 km-Run	20,-
	City Tour/day	30,-
	Congress Gala Dinner Entertainment	135,-

**The registration fee includes:**

Scientific Program, Abstract Volume, Congress Bag,  
Coffee, Lunch, Welcome Reception, Brazil Show

# General Information

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<b>Congress Office Administrative Manager</b>	<b>Silvia Marth</b> Department of Surgery Ludwig-Maximilians-University Munich Klinikum Grosshadern Marchioninistrasse 15 81377 Munich, Germany Phone: +49(0)89 7095-5461 / -2461 Telefax: +49(0)89 7095-2460 E-mail: silvia.marth@med.uni-muenchen.de
<b>Congress Package</b>	The congress package will be distributed to the participants at the congress office and will contain: <ul style="list-style-type: none"><li>• Final program</li><li>• Name badge</li><li>• Lunch coupons</li><li>• Tickets for the social program as ordered</li><li>• Tourist information</li><li>• Subway timetable</li><li>• Extra Professional Mints</li></ul>
	
<b>Local Transportation</b>	From downtown (Marienplatz) Subway U6 to Klinikum Grosshadern Campus (Terminus)
<b>Industrial Exhibition</b>	The pharmaceutical and technical exhibits will be displayed on the ground- and upper floor of the Auditorium Section – Klinikum Grosshadern. Please visit the exhibition. Opening hours: Wednesday 14th – Saturday 17th from 9:00 am until 6:30 pm
<b>Congress Venue Lecture Halls</b>	All scientific sessions take place in the Auditorium Section, Klinikum Grosshadern. <b>In order to have access to the scientific sessions, it is necessary to wear your name badge throughout the congress!</b>

# General Information

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<b>Abstract Volume</b>	The abstract volume will be distributed at the Congress Registration Desk
<b>Congress Language</b>	The official language is <b>English</b>
<b>Proceedings</b>	The congress proceedings of free submitted abstracts will be published by <b>Monduzzi Editore</b> , International Proceedings Division, Bologna, Italy
<b>Press Accreditation,</b>	For accreditation, journalists see the congress office.
<b>Press office</b>	Dates of press conferences are on display at the press office within the registration area complex. Press contact: <b>impressum Publikation und PR</b> Adenauerallee 10, 20097 Hamburg, Germany Tel. +49 (0)40-3178-6432 Fax +49 (0)40-3178-6464 <b>www.impressum.de</b>

## Around the congress

<b>Coffee Breaks</b>	Free coffee and refreshments will be served
<b>Lunch, Catering &amp; Food Market</b>	Lunch will be served at the <b>Pavillion location</b> just outside the conference venue, daily from 11:00 am until 3:00 pm. Please check your <b>lunch coupons!</b> For the hardworking congress delegates on their science marathon a number of food and beverage booths will serve complimentary drinks and snacks. During the Brazilian Music Festival, a Caribbean Buffet Dinner is served. The congress kindly acknowledges the tremendous organization efforts and skills of G. Wichelhoven (Managing Director) and his catering-team, who have taken over the difficult task to prepare and serve a wide variety of Bavarian gourmet specialties.

# General Information

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## Acknowledgement

The congress is profoundly grateful to the following companies for their **generous support of the food market**

- **Adelholzener**, Siegsdorf/Obb.
- **Bauer GmbH**, Wasserburg/Inn
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- **Rewe Großverbraucher Service**, Chieming
- **Schlossbrauerei Kaltenberg**, Fürstenfeldbruck
- **Wrigley GmbH**, München
- **Zöttl Bäckerei GmbH**, München

## Hospital-Tour

On special request, the congress office is offering a Hospital-Tour through the Klinikum Grosshadern to a limited number of congress participants on Thursday and Friday, between 1:00 pm and 2:00 pm. Please register at the information desk.

## Car fleet

We appreciate the kind support of the BMW AG, our generous cooperation partner for granting a special car fleet to the congress.



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# Scientific Information

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<b>Program</b>	There will be	
	1) <b>Symposia</b> (Invited lectures)	<b>SY</b>
	2) <b>Free communication sessions</b> (FREE-CO) with	
	- Oral presentation	<b>OR</b>
	- Oral poster presentation	<b>OP</b>
	- Poster presentation	<b>P</b>

**For authors of oral, oral poster and poster presentations** All active participants have been informed by a letter about technical details.

**Power Point** Speakers must provide their presentations on CD ROM or USB-Stick. They need to deliver a copy of their Power Point Presentation at the **Audiovisual Service Center** at least 3 hours prior to the start of their designated session. **You cannot use your own computer!**

**Poster Sessions** Each poster will be on display on the indicated day from 8.00 am - 7.00 pm. Detailed information and display materials are given with the registration. The presenters are kindly requested to mount their posters on the board marked with their numbers at the **Poster Area** indicated, not later than 7.30 am on the day of their presentation. All necessary materials needed to fix the posters will be provided at the **Audiovisual Service Center**.

**Abstracts** The abstracts printed can be found in the Abstract Volume under the number that is indicated behind the title under (**A....**).

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# Timetable - Wednesday, March 14<sup>th</sup>

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 6	Lecture Hall 7	Lecture Hall 8	Poster Area
<b>8:00 AM</b>									
<b>9:00 AM</b>	<p><b>Session 1</b> <b>FREE-CO</b> Immune Response - Signaling Mechanisms 8:30 - 9:45</p>	<p><b>Session 4</b> <b>FREE-CO</b> In-Vivo Models of Inflammation 8:30 - 10:45</p>	<p><b>Opening Ceremony</b> and <b>Keynote Lecture</b> 9:00 - 10:30</p>		<p><b>Session 13</b> <b>FREE-CO</b> Effects of Traumatic Stress on the Immunoinflammatory Response 8:30 - 10:00</p>		<p><b>Session 17</b> <b>FREE-CO</b> Trauma Registries 8:30 - 9:30</p>	<p><b>Session 21</b> <b>FREE-CO</b> Novel Insights in Mechanisms of Inflammation 8:30 - 10:15</p>	
<b>10:00 AM</b>									
<b>11:00 AM</b>		<p><b>Session 5</b> <b>FREE-CO</b> ICU Management and Monitoring of Critical Illness and Organ Dysfunction I 11:00 - 12:50</p>	<p><b>Session 10</b> <b>SYMP</b> Opening Session Part 1: Inflammatory Response to Trauma, Shock and Sepsis 10:30 - 1:30</p>				<p><b>Session 18</b> <b>SYMP</b> Engineering, Inflammation and Immunity by Adenosine A2 Receptors 10:30 - 12:50</p>	<p><b>Session 22</b> <b>FREE-CO</b> Update on Function and Interaction of Biologic Mediators 11:00 - 12:30</p>	
<b>12:00 PM</b>									
<b>1:00 PM</b>		<p><b>Session 6</b> <b>FREE-CO</b> ICU Management and Monitoring of Critical Illness and Organ Dysfunction II 1:00 - 2:20</p>							
<b>2:00 PM</b>	<p><b>Session 2</b> <b>SYMP</b> Alarms 2:00 - 4:45</p>	<p><b>Session 7</b> <b>SYMP</b> Clinical Uses of the RNA Interference (RNAi) Process 2:30 - 5:10</p>	<p><b>Session 11</b> <b>SYMP</b> Opening Session Part 2: Inflammatory Pathogenesis of Chronic Disease 2:00 - 5:00</p>		<p><b>Session 14</b> <b>SYMP</b> Novel Cytokines 2:00 - 4:00</p>		<p><b>Session 19</b> <b>SYMP</b> cAMP Signaling in Inflammation and Sepsis 1:00 - 3:30</p>	<p><b>Session 23</b> <b>SYMP</b> Fungal Infections in Critically Ill Patients 2:00 - 4:00</p>	<p><b>Session 25</b> <b>POSTER I</b> Traumatic Stress, Immuno-inflammatory Stress Response, ICU Monitoring in Critical Illness and Organ Dysfunction 2:00 - 4:00</p>
<b>3:00 PM</b>									
<b>4:00 PM</b>									
<b>5:00 PM</b>	<p><b>Session 3</b> <b>SYMP/FREE-CO</b> Dendritic Cell Function in Acute Inflammation 5:00 - 7:15</p>	<p><b>Session 8</b> <b>SYMP</b> Deciphering the Role of Genetic Variation in Inflammation, Sepsis and Trauma 5:15 - 7:15</p>	<p><b>Session 12</b> <b>SYMP</b> Role of Inflammation in Cardiogenic Shock Complicating Acute Myocardial Infarction 5:00 - 7:00</p>		<p><b>Session 15</b> <b>SYMP</b> Liver X Receptor in Inflammation and Sepsis 4:30 - 1:15</p>	<p><b>Session 16</b> <b>SYMP</b> Coronaries and Controversies in the Management of Intra-Abdominal Infection 4:00 - 1:30</p>	<p><b>Session 20</b> <b>SYMP</b> How Does Inflammation Cause Organ Failure? 4:00 - 7:00</p>	<p><b>Session 24</b> <b>SYMP</b> Inflammatory Stress Cell Signaling 4:30 - 1:30</p>	
<b>6:00 PM</b>									
<b>7:00 PM</b>									

# Timetable - Thursday, March 15<sup>th</sup>

Time	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 6	Lecture Hall 7	Lecture Hall 8	Poster Area
8:00 AM		Session 30 <b>FREE-CO</b> Danger Signals, DAMPs, PAMPs 8:00 - 9:15	Session 35 <b>SYMP</b> TLR in Inflammation and Infection 8:30 - 11:50	Session 39 <b>SYMP</b> Inflammation in Atherosclerosis 8:30 - 10:30	Session 43 <b>FREE-CO</b> Cellular Mechanisms in Artery Inflammation 8:00 - 9:45	Session 46 <b>SYMP</b> Controversies in Antimicrobial Therapy in the ICU: Pro-Con Debates 8:30 - 11:15	Session 52 <b>SYMP</b> Inflammation and Coagulation 8:30 - 10:50	Session 57 <b>SYMP</b> Microcirculation Monitoring: A Window to Identification and Management of Tissue Hypoperfusion 8:30 - 10:30	
9:00 AM	Session 26 <b>SYMP</b> Autoimmune Vasculitis 9:00-11:00	Session 31 <b>SYMP/FREE-CO</b> Complex Systems Analysis and Modelling in Acute Illness 9:30 - 12:50							
10:00 AM					Session 44 <b>SYMP</b> Regulation of Lung Inflammation 10:00 - 12:00				
11:00 AM				Session 40 <b>SYMP</b> Role of Inflammation for Neurodegeneration and Neuroregeneration 11:00 - 1:30	Session 45 <b>SYMP</b> Clinical and Experimental Updates in ARDS 12:00 - 2:00		Session 53 <b>SYMP</b> Novel Therapeutic Approaches for Shock and Organ Injury 11:00 - 1:20	Session 58 <b>SYMP</b> A.E. Baue Research Award-Session 11:00 - 1:30	Session 61 <b>POSTER II</b> Markers of Inflammation, TLR, Danger Signals, In-Vivo Models, Airway Inflammation 11:00 - 1:00
12:00 PM	Session 27 <b>SYMP/FREE-CO</b> A Central Player in Diabetes and Metabolic Disease 11:30-2:20		Session 36 <b>SYMP</b> Microbial versus Exogenous Activators of the Innate Immune Response in Traumatic Inflammation: Host Receptors and Function 12:00 - 2:20						
1:00 PM		Session 32 <b>SYMP</b> Manipulating Apoptosis for Therapeutic Gain - Translating Science into Therapy 1:00 - 3:00							
2:00 PM	Session 28 <b>SYMP/FREE-CO</b> Inflammation and Metabolic Syndrome 2:30 - 5:20	Session 33 <b>SYMP</b> Impact of Pharmacogenetics on Clinical Decision Making 3:30 - 5:50	Session 37 <b>SYMP</b> Danger Signals in Trauma-Induced Inflammation 2:30 - 4:50	Session 41 <b>SYMP/FREE-CO</b> Statins in Inflammation, Trauma and Sepsis 1:45 - 3:15	Session 46 <b>SYMP/FREE-CO</b> Spectrum of Clinical Syndromes due to Dysregulation of IL-1beta Release 2:00 - 4:30	Session 49 <b>SYMP</b> Hemodynamic Management in Sepsis and Shock 11:30 - 1:50	Session 54 <b>SYMP</b> Mucosal Immunity in Critical Illness 1:30 - 4:30	Session 59 <b>SYMP</b> Inflammation, Tissue Engineering, Wound Healing 2:00 - 3:45	
3:00 PM									
4:00 PM				Session 42 <b>SYMP/FREE-CO</b> Mitochondria, NO, Inflammation and Hypoxia - An interdisciplinary Approach 3:30 - 7:00	Session 47 <b>Free-Co</b> Markers of Inflammation 4:30 - 6:45	Session 51 <b>SYMP</b> Transplantation and Infection 4:30 - 7:30	Session 55 <b>FREE-CO</b> TLR Signalling Pathways I 4:30 - 6:10	Session 60 <b>SYMP</b> CMV/Infection in Critically Ill Sepsis Patients - A Need for Action? 4:00 - 6:00	
5:00 PM			Session 38 <b>SYMP</b> HMGB1: A Therapeutic Target or Therapeutic Agent 5:00 - 7:45						
6:00 PM	Session 29 <b>SYMP</b> Inflammation and Diabetes Mellitus Type 2 5:30 - 8:00	Session 34 <b>FREE-CO</b> Apoptosis / Cell Death and Inflammation 6:00 - 7:15							
7:00 PM									

# Timetable - Friday, March 16<sup>th</sup>

Time	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 6	Lecture Hall 7	Lecture Hall 8	Poster Area
8:00 AM									
9:00 AM	<p><b>Session 62</b> <b>FREE-CO SYMP</b> Mechanisms of Innate Immunity 8:15 - 10:00</p>	<p><b>Session 67</b> <b>SYMP</b> Trasylol as an Anti-Inflammatory Therapy 8:15 - 9:15</p>	<p><b>Session 72</b> <b>SYMP</b> Preclinical and Clinical Trials of Novel Immunomodulatory and Therapeutic Agents in Inflammation and Sepsis 8:15 - 11:15</p>	<p><b>Session 75</b> <b>SYMP</b> Heat Shock Proteins and the Inflammatory Response 8:30 - 10:15</p>	<p><b>Session 79</b> <b>SYMP</b> Stem Cells and Cardiac Repair / Protection 8:45 - 11:30</p>	<p><b>Session 86</b> <b>SYMP</b> Danger Signals and Nod-Like Receptors (NLRs) 8:30 - 11:15</p>	<p><b>Session 89</b> <b>SYMP</b> Challenges and Opportunities of High Throughput Technology, Genomics and Proteomics 8:30 - 10:30</p>	<p><b>Session 90</b> <b>SYMP</b> Validation of Genomics / Proteomics in Animal Models 10:30 - 12:30</p>	<p><b>Session 83</b> <b>POSTER III</b> Immunomodulation, Wound Healing, Cancer and Inflammation, Ischemia / Reperfusion, Innate Immunity 11:00 - 1:00</p>
10:00 AM									
11:00 AM	<p><b>Session 63</b> <b>SYMP</b> Wound Healing: Biomaterials for Tissue Regeneration 11:00 - 12:20</p>			<p><b>Session 76</b> <b>SYMP</b> Measuring Endotoxin in Critical Illness 10:30 - 12:50</p>	<p><b>Session 83</b> <b>SYMP</b> Catastrophic Surgical Infections 10:00 - 12:45</p>				
12:00 PM	<p><b>Session 64</b> <b>SYMP</b> Novel Functional and Therapeutic Aspects of Wound Healing in Burns 12:30 - 2:15</p>	<p><b>Session 69</b> <b>SYMP</b> NF-kappaB 12:00 - 2:20</p>	<p><b>Session 73</b> <b>SYMP</b> Sepsis: Rethinking the Approach to Clinical Research 11:30 - 1:30</p>	<p><b>Session 77</b> <b>SYMP</b> Blood Purification for Severe Sepsis and Septic Shock 1:00 - 3:20</p>	<p><b>Session 81</b> <b>SYMP/FREE-CO</b> Crossroads of Inflammation and Cancer (I): Crucial Mechanisms 12:30 - 2:45</p>				
1:00 PM									
2:00 PM									
3:00 PM	<p><b>Session 65</b> <b>SYMP</b> TNF-Inhibition in Chronic Inflammatory Diseases: Mode of Action and Spectrum of Indications 2:30 - 4:30</p>	<p><b>Session 70</b> <b>SYMP</b> T-Regulatory Cell Populations under Stressful Conditions 2:30 - 4:50</p>	<p><b>Session 74</b> <b>SYMP/FREE-CO</b> Impact of Clinical Nutrition on Chronic and Acute Inflammation 2:00 - 6:30</p>	<p><b>Session 78</b> <b>SYMP</b> Physiologic Signals in the ICU - Acquisition, Interpretation and Intervention? 3:30 - 6:15</p>	<p><b>Session 82</b> <b>SYMP</b> Crossroads of Inflammation and Cancer (II): Targeting the Innate Immune System 3:00 - 6:30</p>				
4:00 PM									
5:00 PM	<p><b>Session 66</b> <b>FREE-CO</b> Wound Healing - Pathophysiology and Therapeutic Approaches 5:00 - 6:45</p>	<p><b>Session 71</b> <b>FREE-CO</b> Modulation of the Immunoinflammatory Response 5:00 - 7:15</p>							
6:00 PM									
7:00 PM									

# Timetable - Saturday, March 17<sup>th</sup>

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 6	Lecture Hall 7	Lecture Hall 8	Poster Area
<b>8:00 AM</b>									
<b>9:00 AM</b>									
<b>10:00 AM</b>	<b>Session 94 SYMP</b> Novel Insights in the Pathophysiology and Treatment of Pain 10:00 - 1:00	<b>Session 95 SYMP/FREE-CO</b> Molecular Imaging (I) - Functional Imaging Beyond Morphology 9:30 - 12:30		<b>Session 99 SYMP</b> Inflammatory Bowel Disease - Update on Pathogenesis and Therapeutic Approaches 9:00 - 11:00	<b>Session 100 SYMP</b> Immunomonitoring of the Critically Ill 8:30 - 10:30		<b>Session 103 SYMP</b> Surgical Site Infection: Can We Win the Battle? 9:00 - 11:00	<b>Session 104 SYMP</b> The V.A.C.-System: Progressive Treatment of the Hostile Open Abdomen and Complicated Soft Tissue Defects 9:30 - 11:30	
<b>11:00 AM</b>			<b>Session 97 SYMP</b> Evolving Treatment for Serious Gram-Positive Infections 10:00 - 12:40		<b>Session 101 SYMP</b> Biomarkers in Acute Inflammatory Disease 10:45 - 1:15				
<b>12:00 PM</b>									
<b>1:00 PM</b>		<b>Session 96 SYMP</b> Molecular Imaging (II) - Cardiovascular Disorders 1:00 - 3:30			<b>Session 102 SYMP</b> Biomarkers in Chronic Inflammatory Disease 1:30 - 4:30				
<b>2:00 PM</b>			<b>Session 98 SYMP</b> Challenges in Designing Randomized Trials in Trauma 1:00 - 3:00						
<b>3:00 PM</b>									
<b>4:00 PM</b>									
<b>5:00 PM</b>			<b>Session 105 SYMP</b> Closing Ceremony 3:00 - 3:15						
<b>6:00 PM</b>									
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Wednesday  
March 14th, 2007

**Lecture Hall III**  
9:00 am – 10:30 am



## Opening Ceremony

\*

**K.W. Jauch** Chairman, Department of Surgery  
Ludwig Maximilians-University Munich  
Klinikum Grosshadern

**T. Goppel** Bavarian State Minister of Sciences, Research and Arts

**D. Reinhardt** Dean of the School of Medicine  
Ludwig Maximilians-University Munich

**H. U. Steinau** President German Surgical Society

\*

**E. Faist** Congress Chairman

**Keynote Lecture**      **The Inflammatory Reflex**

**K. J. Tracey**  
Manhasset, USA  
Director and Chief Executive  
Feinstein Institute for Medical Research  
Vice President for Research  
North Shore-LIJ Health System


\*Musical Setting  
**Trio of The Munich Symphonic Youth Orchestra**

Wednesday March 14 <sup>th</sup> , 2007	<b>Lecture Hall I</b> 8:30 am – 9:45 am	<b>Session 1</b> <b>FREE-CO</b>	
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## Immune Response – Signalling Mechanisms

**Moderators:** Mashkoor Choudhry, Birmingham, USA  
James A. Cook, Charleston, USA


8:30 – 8:42	<b>OR 1</b>	LYMPHOCYTE-DIRECTED AUGMENTATION OF CANONICAL NF- $\kappa$ B ACTIVATION REDUCES THYMOCYTE APOPTOSIS AND IMPROVES T-CELL NUMBERS AND OUTCOME IN MURINE SEPSIS (A 51) Uwe Senftleben, Ulm, Germany
8:42 – 8:54	<b>OR 2</b>	SEPSIS REPROGRAMS BONE MARROW HEMATOPOESIS TOWARD THE MYELOID LINAGE IN A MyD88 AND TRIF DEPENDENT MANNER (A 52) Matthew Delano, Gainesville, USA
8:54 – 9:06	<b>OR 3</b>	CELLULAR REPROGRAMMING BY BACTERIAL LIPOPROTEIN IS INDEPENDANT OF ST2 (A 53) Julliette Buckley, Cork, Ireland
9:06 – 9:12	<b>OP 4</b>	ACTIVATION OF LXR IN KUPFFER CELLS INHIBITS P38 MAPK PHOSPHORYLATION AND TNF $\alpha$ PRODUCTION AT THE POST-TRANSCRIPTONAL LEVEL (A 54) Maria K Dahle, Oslo, Norway
9:12 – 9:18	<b>OP 5</b>	ARNT2 IS A REGULATOR OF A TNF-ALPHA-DEPENDENT, ANTIINFLAMMATORY FEED-BACK MECHANISM IN THE RESPONSE OF MACROPHAGES TO LPS (A 55) Johannes Roth, Muenster, Germany
9:18 – 9:24	<b>OP 6</b>	HEAT SHOCK PROTEIN 70 IS AN ENDOGENOUS MODULATOR OF THE INNATE IMMUNE RESPONSE (A 56) Kathy Triantafilou, Brighton, United Kingdom
9:24 – 9:30	<b>OP 7</b>	EXPRESSION OF ADENYLYL CYCLASE mRNA IN CLP SEPSIS (A 57) Una Ryg, Oslo, Norway
9:30 – 9:36	<b>OP 8</b>	INHIBITION OF c-JUN N-TERMINAL KINASE AFTER HEMORRHAGE BUT BEFORE RESUSCITATION REDUCES LIVER DAMAGE, HEPATIC AND SYSTEMIC INFLAMMATION IN RATS (A 58) Mark Lehnert, Frankfurt, Germany
9:36 – 9:42	<b>OP 9</b>	HEME OXYGENASE-2 IS NECESSARY FOR HYPOXIC SIGNALLING IN HEPATOCYTES (A 59) Brian Zuckerbraun, Pittsburgh, USA

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## Alarmins

**Moderators:** Joost Oppenheim, Frederick, USA  
Werner Solbach, Luebeck, Germany


2:00 – 2:20	<b>SY 10</b> CHARACTERIZATION OF ENDOGENOUS PEPTIDES AS ALARMINS (A 1) Joost Oppenheim, Frederick, USA
2:20 – 2:40	<b>SY 11</b> CATHELICIDIN (LL37) – A POTENT ANTI-SEPSIS MOLECULE Robert E.W. Hancock, Vancouver, USA
2:40 – 3:00	<b>SY 12</b> THE ROLE OF CATHELICIDIN IN THE SKIN Richard Gallo, San Diego, USA
3:00 – 3:20	<b>SY 13</b> THE ROLE OF CATHELICIDIN AND DEFENSINS IN PULMONARY INFLAMMATORY DISEASES (A 2) Robert Bals, Marburg, Germany
3:20 – 3:40	<b>SY 14</b> ANTI-INFLAMMATORY ACTIVITY OF SLPI (A 3) Cliff Taggart, Dublin, Ireland
3:40 – 4:00	<b>SY 15</b> GRANULYSIN – A NOVEL HOST DEFENSE MOLECULE AND ALARMIN (A 4) Alan Krensky, Stanford, USA
4:00 – 4:20	<b>SY 16</b> PSORIASIN AND THE S100-FAMILY OF PROTEINS – THEIR ROLE AS DEFENSINS AND ALARMINS (A 5) Jens-Michael Schroeder, Kiel, Germany
4:20 – 4:40	<b>SY 17</b> HMGB1 - ITS ROLE IN HEALTH AND DISEASE Kevin J. Tracey, Manhasset, USA

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## Dendritic Cell Function in Acute Inflammation

**Moderators:** Alfred Ayala, Providence, USA  
Steven Kunkel, Ann Arbor, USA


5:00 – 5:20	<b>SY 18</b>	ALTERED DENDRITIC CELL PHENOTYPE AND THE CHRONICITY OF THE SEPTIC RESPONSE (A 24) Steven Kunkel, Ann Arbor, USA
5:20 – 5:40	<b>SY 19</b>	DENDRITIC CELL AS A CENTRAL PLAYER IN WARDING OFF SEPTIC CHALLENGE Lyle L. Moldawer, Gainesville, USA
5:40 – 6:00	<b>SY 20</b>	FLT-3 LIGAND AND DENDRITIC CELL FUNCTION IN BURN INJURY (A 25) Tracy Toliver-Kinsky, Galveston, USA
6:00 – 6:20	<b>SY 21</b>	IMMUNE COMPROMISE IN CRITICAL ILLNESS: SEPSIS INDUCED DENDRITIC CELL DEFICIENCY Richard S. Hotchkiss, St. Louis, USA
6:20 – 6:40	<b>SY 22</b>	DENDRITIC CELL DYSFUNCTION DURING MURINE POLYMICROBIAL SEPSIS Stefanie B. Flohé, Essen, Germany
6:40 – 6:52	<b>OR 23</b>	TREATMENT OF EXPERIMENTAL COLITIS WITH VASOACTIVE INTESTINAL PEPTIDE-INDUCED TOLEROGENIC DCS (A 26) Elena Gonzalez-Rey, Granada, Spain
6:52 – 6:58	<b>OP 24</b>	ALTERED GENE EXPRESSION PATTERNS IN DENDRITIC CELLS AFTER SEVERE TRAUMA – IMPLICATION FOR SYSTEMIC INFLAMMATION AND ORGAN INJURY (A 27) Marcus Maier, Frankfurt, Germany
6:58 – 7:04	<b>OP 25</b>	PHAGOCYTOSIS, INTRACELLULAR DEGRADATION AND PHENOTYPIC CHANGES OF CORD BLOOD MACROPHAGES (MF) AND PERIPHERAL BLOOD MF AFTER BACTERIAL CHALLENGE (A 28) Christian Gille, Tuebingen, Germany
7:04 – 7:10	<b>OP 26</b>	INFLAMMATORY AND ANTI-INFLAMMATORY REACTIONS IN THE NEONATAL IMMUNE SYSTEM (A 29) Thorsten Orlikowsky, Tuebingen, Germany

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## In-Vivo Models of Inflammation


**Moderators:** Christoph Thiemermann, London, United Kingdom  
Albrecht Wendel, Constance, Germany

- 8:30 – 8:42      **OR 27** PLATELET ACTIVATING FACTOR RECEPTOR IMPROVES THE EARLY ANTIMICROBIAL HOST RESPONSE TO SEVERE PSEUDOMONAS AERUGINOSA PNEUMONIA (A 199)  
Marieke AD van Zoelen, Amsterdam, Netherlands
- 8:42 – 8:54      **OR 28** ACTIVATION OF COAGULATION AND INHIBITION OF FIBRINOLYSIS IN THE LUNG UPON BRONCHIAL INSTILLATION OF LIPOTEICHOIC ACID IN HEALTHY VOLUNTEERS (A 200)  
Jacobien Hoogerwerf, Amsterdam, Netherlands
- 8:54 – 9:06      **OR 29** SEPSIS FROM PSEUDOMONAS AERUGINOSA PNEUMONIA DECREASES INTESTINAL EPITHELIAL PROLIFERATION AND SLOWS MIGRATION (A 201)  
Andrew T. Clark, St. Louis, USA
- 9:06 – 9:18      **OR 30** ADRENOMEDULLIN REDUCES VASCULAR HYPERPERMEABILITY AND IMPROVES SURVIVAL IN RAT SEPTIC SHOCK (A 202)  
Stefan Hippenstiel, Berlin, Germany
- 9:18 – 9:30      **OR 31** CONTRIBUTION OF CD44 TO THE HOST DEFENSE AGAINST KLEBSIELLA PNEUMONIAE (A 203)  
Rianne van der Windt, Amsterdam, Netherlands
- 9:30 – 9:42      **OR 32** MOLECULAR SIGNATURES OF TRAUMA HEMORRHAGIC SHOCK-INDUCED LUNG INJURY – HEMORRHAGE- AND INJURY-ASSOCIATED GENES (A 204)  
Rena Feinman, Newark, USA
- 9:42 – 9:54      **OR 33** INTERACTION OF INDUCIBLE NITRIC OXIDE SYNTHASE AND HEME OXYGENASE-1 IN THE LUNG DURING LIPOPOLYSACCHARIDE- AND CROSS TOLERANCE (A 205)  
Kai Zacharowski, Bristol, United Kingdom
- 09:54 – 10:06      **OR 34** CARDIOPROTECTION BY ECTO-5'-NUCLEOTIDASE (CD73) AND A2B ADENOSINE RECEPTORS (A 206)  
Tobias Eckle, Tuebingen, Germany

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10:06 – 10:12	<b>OP 35</b>	INJECTION OF SOLUBLE BONE MARROW COMPONENTS IN INJURED SOFT TISSUE CAUSES SYSTEMIC INFLAMMATION (A 207) Philipp Kobbe, Pittsburgh, USA
10:12 – 10:18	<b>OP 36</b>	SINGLE CELL TRACKING OF INTERSTITIALLY MIGRATING LEUKOCYTES UPON LOCAL MICROINJECTION OF CHEMOATTRACTANTS IN VIVO (A 208) Alexander Khandoga, Munich, Germany
10:18 – 10:24	<b>OP 37</b>	CHARACTERIZATION OF LYMPHOCYTE SUBPOPULATIONS DURING DIFFERENT GRADES OF MURINE SEPSIS (A 209) Uwe Senftleben, Ulm, Germany
10:24 – 10:30	<b>OP 38</b>	RhAPC IMPROVES GLOBAL HEMODYNAMICS AND VISCERAL MICROVASCULAR BLOOD FLOW IN OVINE SEPTIC SHOCK (A 210) Marc Oliver Maybauer, Ulm, Germany
10:30 – 10:36	<b>OP 39</b>	D9-THC-TREATMENT IS ASSOCIATED WITH FAST DOWNREGULATION OF THE SCAVENGER RECEPTOR CD163 AFTER SURGERY (A 211) Silke Konanz, Ulm, Germany
10:36 – 10:42	<b>OP 40</b>	THERAPEUTIC INDUCTION OF HEME-OXYGENASE-1 IN THE LIVER VIA POLYMERIZED HEMOGLOBIN – PROTECTION FROM REPERFUSION INJURY (A 519) Sagar Damle, Denver, USA


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## **ICU Management and Monitoring of Critical Illness and Organ Dysfunction I**

**Moderators:** Phillip Dellinger, Camden, USA  
Wolfgang Hartl, Munich, Germany

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| 11:00 – 11:12 | <b>OR 41</b> | <b>VENOUS THROMBOEMBOLISM AND HIV INFECTION – A REVIEW (A 320)</b><br>Martin Veller, Johannesburg, South Africa  |
| 11:12 – 11:24 | <b>OR 42</b> | <b>AWARENESS OF THE SURVIVING SEPSIS CAMPAIGN IN SURGICAL AND EMERGENCY MEDICINE TRAINEES (A 321)</b><br>Luke Evans, Norwich, United Kingdom   |
| 11:24 – 11:36 | <b>OR 43</b> | <b>HEART RATE TO PULSE PRESSURE RATIO AS AN INDEX OF CARDIOVASCULAR SUFFICIENCY IN A PORCINE MODEL OF SEVERE HEMORRHAGIC SHOCK (A 322)</b><br>Patricio Polanco, Pittsburgh, USA                    |
| 11:36 – 11:48 | <b>OR 44</b> | <b>LUNG NITROXIDATIVE STRESS AS A PROGNOSTIC FACTOR IN MECHANICALLY VENTILATED SEPTIC PATIENTS (A 323)</b><br>Jose Gorrasi, Montevideo, Uruguay  |
| 11:48 – 12:00 | <b>OR 45</b> | <b>THE SPECTRUM OF INFLAMMATION-INDUCED COAGULATION IN SEPSIS CAUSED BY BURKHOLDERIA PSEUDOMALLEI AND ITS CORRELATION WITH MORTALITY (A 549)</b><br>Willem Joost Wiersinga, Amsterdam, Netherlands |
| 12:00 – 12:12 | <b>OR 46</b> | <b>EFFICACY OF MULTI-THERAPY IN SEPSIS CAUSED BY INFECTED PANCREAS NECROSIS (A 324)</b><br>Gyula Farkas, Szeged, Hungary   |
| 12:12 – 12:24 | <b>OR 47</b> | <b>BLOOD TRANSFUSION EXCEEDING 175 UNITS IN 24 HOURS IN A PATIENT WITH POST PARTUM HEMORRHAGE – „WORLD’S FIRST“ (A 325)</b><br>R.K. HariHaran, Sydney, Australia                                   |
| 12:24 – 12:30 | <b>OP 48</b> | <b>THE GOLD STANDARD TECHNIQUE FOR INTRA-ABDOMINAL PRESSURE MONITORING IN SEPTIC PATIENTS: CONTINUOUS INTRA-ABDOMINAL PRESSURE MONITORING (CIAPM) (A 326)</b><br>Zsolt Bodnár, Debrecen, Hungary   |

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12:30 – 12:36	<b>OP 49</b>	ACUTE LOWER EXTREMITY COMPARTMENT SYNDROME (ALECS) SCREENING PROTOCOL IN CRITICALLY ILL TRAUMA PATIENTS (A 327) Roman Kosir, Maribor, Slovenia
12:36 – 12:42	<b>OP 50</b>	SLEEP IN THE INTENSIVE CARE UNIT: HOW WELL DO OUR PATIENTS SLEEP? (A 328) Randall Friese, Dallas, USA
12:42 – 12:48	<b>OP 51</b>	EFFECT OF LOW ENERGY ERCHONIA LASER ON TISSUE INJURY IN ISCHEMIC ZONE OF BURN WOUND (A 329) Lars-Hinrich Evers, San Diego, USA

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## **ICU Management and Monitoring of Critical Illness and Organ Dysfunction II**

**Moderators:** Ansgar O. Aasen, Oslo, Norway  
Lorenz Frey, Munich, Germany

- 1:00 – 1:12      **OR 52** CORRELATION OF S100B WITH CT FINDINGS AND INTRACRANIAL PRESSURE IN PATIENTS WITH ISOLATED SEVERE TRAUMATIC BRAIN INJURY – A PROSPECTIVE STUDY (A 330)  
Patrick Weninger, Vienna, Austria
- 1:12 – 1:24      **OR 53** IMPACT OF CARDIOPULMONARY BYPASS ON MICROCIRCULATORY PERFUSION – A PILOT STUDY (A 331)  
Ryan Arnold, Camden, USA
- 1:24 – 1:36      **OR 54** TISSUE OXYGEN SATURATION PREDICTS THE DEVELOPMENT OF ORGAN FAILURE DURING TRAUMATIC SHOCK RESUSCITATION (A 332)  
Frederick Moore, Houston, USA
- 1:36 – 1:48      **OR 55** PROTOCOL-DRIVEN DAILY SPONTANEOUS BREATHING TRIALS ARE FEASIBLE AND SAFE IN INTUBATED TRAUMA PATIENTS (A 333)  
T. Elizabeth Robertson, St. Louis, USA
- 1:48 – 1:54      **OP 56** SCREENING OF LIVER FUNCTIONS WITH A CELL BASED BIOSENSOR IN PATIENTS WITH SEPTIC SHOCK (A 334)  
Martin Sauer, Rostock, Germany
- 1:54 – 2:00      **OP 57** NEUTROPHIL-DERIVED CELL-FREE DNA (cf-DNA), A NOVEL POTENTIAL IMMEDIATE EARLY MARKER IN DAMAGE CONTROL, CORRELATES WITH SEVERITY OF INJURY AND MAY PREDICT SIRS (A 335)  
Stefan Margraf, Frankfurt am Main, Germany
- 2:00 – 2:06      **OP 58** DAMAGE CONTROL IN FEMORAL SHAFT FRACTURES AND RISK OF LOCAL INFECTION? (A 336)  
Philipp Kobbe, Pittsburgh, USA
- 2:06 – 2:12      **OP 59** PERIOPERATIVE EVALUATION OF CARDIAC FUNCTION IN BURN-INJURED CHILDREN (A 337)  
Michael Kinsky, Galveston, USA

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2:12 – 2:18

**OP 60** OPERATIVE MORTALITY AND MORBIDITY RATES AMONG SURGEONS – COMPARISON OF POSSUM SCORING SYSTEM AND COSTS RELATED IN ABDOMINAL SURGERY (A 338)  
Carlos Emparan, Calahorra, Spain

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## Clinical Uses of the RNA Interference (RNAi) Process

**Moderators:** Patrick Aebischer, Lausanne, Switzerland  
Michael Yaffe, Cambridge, USA


2:30 – 2:50	<b>SY 61</b>	THE MECHANISM OF RNAi Gunter Meister, Martinsried, Germany
2:50 – 3:10	<b>SY 62</b>	THE POTENTIAL OF VIRALLY-MEDIATED BRAIN EXPRESSION OF siRNA FOR THE TREATMENT OF NEURODEGENERATIVE DISEASES Patrick Aebischer, Lausanne, Switzerland
3:10 – 3:30	<b>SY 63</b>	THE SILENT TREATMENT: DELIVERING RNA INTERFERENCE Judy Lieberman, Boston, USA
3:30 – 3:50	<b>SY 64</b>	APPLICATION OF siRNA TECHNOLOGY IN PRIMARY CELLS OF THE IMMUNE SYSTEM Alexander Scheffold, Berlin, Germany
3:50 – 4:10	<b>SY 65</b>	IMPROVING AND REGULATING LENTIVIRAL RNAi EXPRESSION IN VIVO (A 312) Patrick Stern, Cambridge, USA
4:10 – 4:30	<b>SY 66</b>	CONDITIONAL RNAi IN THE MOUSE BRAIN Ralf Kuehn, Neuherberg, Germany
4:30 – 4:50	<b>SY 67</b>	siRNA: NOVEL DESIGN AND PROKARYOTIC GENE SILENCING (A 555) Volker Patzel, Berlin, Germany
4:50 – 5:10	<b>SY 68</b>	MULTI-DISCIPLINE ANALYSIS OF GENE SILENCING: COMPLIMENTARY USE OF RT-qPCR, 2-D ELECTROPHORESIS AND WESTERN BLOTTING FOR RNAi BASED PATHWAY ANALYSIS (A 313) Francisco Bizouarn, Hercules, USA

Wednesday March 14 <sup>th</sup> , 2007	<b>Lecture Hall II</b> 5:15 pm – 7:15 pm	<b>Session 8</b> <b>SYMPOSIUM</b>	
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## Deciphering the Role of Genetic Variation in Inflammation, Sepsis and Trauma

**Moderators:** Ronald V. Maier, Seattle, USA  
Grant E. O'Keefe, Seattle, USA

5:15 – 5:35	<b>SY 69</b>	INTRODUCTION Grant E. O'Keefe, Seattle, USA
5:35 – 5:55	<b>SY 70</b>	HIGH-THROUGHPUT APPROACHES TO SNP IDENTIFICATION Michael Mindrinos, Palo Alto, USA
5:55 – 6:15	<b>SY 71</b>	NEW METHODS FOR THE ANALYSIS OF GENETIC VARIATION AND COMPLEX DISEASES John D. Storey, Seattle, USA
6:15 – 6:35	<b>SY 72</b>	GENETIC RISK FACTORS FOR SEVERE SEPSIS AND SEPTIC SHOCK AFTER TRAUMA Grant E. O'Keefe, Seattle, USA
6:35 – 6:55	<b>SY 73</b>	STANDARDS OF GENETIC STUDIES IN COMPLEX DISEASES IN THE YEAR 2007 Frank Stueber, Bonn, Germany
6:55 – 7:15	<b>SY 74</b>	GENETIC AND NON-GENETIC PREDISPOSITION TO SEVERE SEPSIS Timothy Buchman, St. Louis, USA

<b>Wednesday</b> March 14 <sup>th</sup> , 2007	<b>Lecture Hall III</b> 10:30 am – 1:50 pm	<b>Session 10</b> <b>SYMPOSIUM</b>	
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## Opening Session Part 1: Inflammatory Response to Trauma, Shock and Sepsis

**Moderators:** Steven Opal, Pawtucket, USA  
Tom Van der Poll, Amsterdam, Netherlands

10:30 – 10:50	<b>SY 76</b>	<b>INFLAMMATION: FROM CELSUS TO CYTOKINES, TOLLS AND INFLAMMASOMES (A 96)</b> Steve Calvano, New Brunswick, USA
10:50 – 11:10	<b>SY 77</b>	<b>EARLY EVENTS IN INNATE IMMUNITY IN THE RECOGNITION OF MICROBIAL PATHOGENS (A 97)</b> Jean-Marc Cavaillon, Paris, France
11:10 – 11:30	<b>SY 78</b>	<b>EARLY EVENTS IN THE HOST RECOGNITION OF ENDOGENOUS DANGER SIGNAL</b> Timothy R. Billiar, Pittsburgh, USA
11:30 – 11:50	<b>SY 79</b>	<b>SECRETION DEFECTS IN IL-1BETA AND SYSTEMIC INFLAMMATION</b> Charles Dinarello, Denver, USA
11:50 – 12:10	<b>SY 80</b>	<b>GENETIC PROGRAMS THAT SIGNIFY THE HOST RESPONSE TO SHOCK AND TISSUE INJURY</b> Stephen F. Lowry, New Brunswick, USA
12:10 – 12:30	<b>SY 81</b>	<b>THE NERVOUS CONNECTION BETWEEN THE BRAIN AND INFLAMMATION</b> Kevin J. Tracey, Manhasset, USA
12:30 – 12:50	<b>SY 82</b>	<b>THE COAGULATION-INFLAMMATION CONNECTION IN SEVERE INJURY (A 98)</b> Marcel Levi, Amsterdam, Netherlands
12:50 – 1:10	<b>SY 83</b>	<b>IMMUNE SEQUELAE IN THE SURGICAL PATIENT (A 550)</b> Eugen Faist, Munich, Germany
1:10 – 1:30	<b>SY 84</b>	<b>CELLULAR HIBERNATION AS A SURVIVAL STRATEGY IN SHOCK</b> Mervyn Singer, London, United Kingdom
1:30 – 1:50	<b>SY 85</b>	<b>TISSUE REPAIR AND IMMUNE RECOVERY FOLLOWING SEVERE INJURY</b> Geoff Bellingan, London, United Kingdom



**Supported with an Unrestricted Educational Grant of AMGEN**

<b>Wednesday</b> March 14 <sup>th</sup> , 2007	<b>Lecture Hall III</b> 2:00 pm – 5:00 pm	<b>Session 11</b> <b>SYMPOSIUM</b>	
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## Opening Session Part 2: Inflammatory Pathogenesis of Chronic Disease

**Moderators:** Michael T. Lotze, Pittsburgh, USA  
Hartmut Wekerle, Martinsried, Germany

2:00 – 2:20	<b>SY 86</b>	<b>INITIATORS, DRIVERS AND RESOLVERS OF INFLAMMATION</b> R.E. Schmidt, Hannover, Germany
2:20 – 2:40	<b>SY 87</b>	<b>AUTOIMMUNE DIABETES</b> Lucienne Chatenoud, Paris Cedex, France
2:40 – 3:00	<b>SY 88</b>	<b>IMMUNOLOGICAL MEMORY IN CHRONIC INFLAMMATION AND RHEUMATIC DISEASE (A 99)</b> Andreas Radbruch, Berlin, Germany
3:00 – 3:20	<b>SY 89</b>	<b>NEURODEGENERATIVE DISEASES (A 100)</b> Reinhard Hohlfeld, Munich, Germany
3:20 – 3:40	<b>SY 90</b>	<b>INNATE IMMUNITY AND INFLAMMATION IN HUMAN CHRONIC AND SEVERE VIRAL DISEASE (A 101)</b> Jordan Orange, Philadelphia, USA
3:40 – 4:00	<b>SY 91</b>	<b>INFLAMMATORY BOWEL DISEASES (A 568)</b> Markus F. Neurath, Mainz, Germany
4:00 – 4:20	<b>SY 92</b>	<b>MOLECULAR PATHOGENESIS OF ATHEROSCLEROSIS (A 102)</b> Georg Wick, Innsbruck, Austria
4:20 – 4:40	<b>SY 93</b>	<b>COPD</b> Klaus F. Rabe, Leiden, Netherlands
4:40 – 5:00	<b>SY 94</b>	<b>THE CANCER INFLAMMATION CONNECTION</b> Michael T. Lotze, Pittsburgh, USA



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<b>Wednesday</b> March 14 <sup>th</sup> , 2007	<b>Lecture Hall III</b> 5:00 pm – 7:00 pm	<b>Session 12</b> <b>SYMPOSIUM</b>	
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## **Role of Inflammation in Cardiogenic Shock Complicating Acute Myocardial Infarction**

**Moderators:** Joseph Parrillo, Camden, USA  
Karl Werdan, Halle/Saale, Germany

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|-------------|---------------|---|
| 5:00 – 5:20 | <b>SY 95</b>  | <b>PATHOPHYSIOLOGY OF CARDIOGENIC SHOCK</b><br>Gottfried Heinz, Vienna, Austria   |
| 5:20 – 5:40 | <b>SY 96</b>  | <b>THE CLINICAL SPECTRUM OF CARDIOGENIC SHOCK (A 281)</b><br>Joseph Parrillo, Camden, USA   |
| 5:40 – 6:00 | <b>SY 97</b>  | <b>THE ROLE OF INFLAMMATION IN CARDIOGENIC SHOCK – WHAT IS THE EVIDENCE?</b><br>Alexander Geppert, Vienna, Austria  |
| 6:00 – 6:20 | <b>SY 98</b>  | <b>EVIDENCE-BASE TREATMENT OF CARDIOGENIC SHOCK COMPLICATING ACUTE MYOCARDIAL INFARCTION</b><br>Michael Buerke, Halle/Saale, Germany  |
| 6:20 – 6:40 | <b>SY 99</b>  | <b>THE PATIENT WITH CARDIOGENIC SHOCK COMPLICATING ACUTE MYOCARDIAL INFARCTION– WHICH PATIENT FOR THE CARDIAC SURGEON? (A 557)</b><br>Hans-Reinhard Zerkowski, Basel, Switzerland |
| 6:40 – 7:00 | <b>SY 100</b> | <b>THE PEPTIDE BBETA15-42: A NEW TREATMENT OPTION FOR THE HEART IN SHOCK? (A 282)</b><br>Kai Zacharowski, Bristol, United Kingdom   |




**Under the Auspices of the German Society of Cardiology**

Wednesday March 14 <sup>th</sup> , 2007	<b>Lecture Hall V</b> 8:30 am – 10:00 am	<b>Session 13</b> <b>FREE-CO</b>	
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## Effects of Traumatic Stress on the Immunoinflammatory Response

**Moderators:** Martin K. Angele, Munich, Germany  
Jan Horn, San Francisco, USA

8:30 – 8:42	<b>OR 101</b>	TLR4 SIGNALLING MODULATES ARGINASE ACTIVITY IN MYELOID SUPPRESSOR CELLS AFTER TRAUMA (A 30) Petar Popovic, Pittsburgh, USA
8:42 – 8:54	<b>OR 102</b>	PANCREATIC PROTEASES ARE NECESSARY FOR GUT BARRIER FAILURE AND THE PRODUCTION OF BIOLOGICALLY ACTIVE LYMPH (A 31) Francis Caputo, Newark, USA
8:54 – 9:06	<b>OR 103</b>	GENDER DIMORPHISM FOLLOWING INJURY – ARE HORMONAL DIFFERENCES RESPONSIBLE? (A 32) Jason Sperry, Dallas, USA
9:06 – 9:18	<b>OR 104</b>	INSULIN IMPROVES HEPATIC MITOCHONDRIAL FUNCTION AND STRUCTURE, DECREASES HEPATOCYTE APOPTOSIS AND ER STRESS AFTER BURN VIA PI3K/AKT SIGNALING (A 562) Marc Jeschke, Galveston, USA
9:18 – 9:24	<b>OP 105</b>	DEPRESSED T-CELL FUNCTION IS RESPONSIBLE FOR PROLONGED IMMUNOSUPPRESSION FOLLOWING TRAUMA-HEMORRHAGE (A 33) Christian Walz, Munich, Germany
9:24 – 9:30	<b>OP 106</b>	THE OUTCOME OF HEMATOPOIETIC PROGENITOR CELLS IN THE AREA OF INJURY DURING SUSTAINED BONE MARROW SUPPRESSION FOLLOWING TRAUMA/HEMORRHAGIC SHOCK (A 34) Chirag Badami, Newark, USA
9:30 – 9:36	<b>OP 107</b>	LOW MONOCYTE HLA-DR PREDICTS MORTALITY AND SECONDARY SEPTIC SHOCK IN SEVERE BURN PATIENTS (A 35) Fabienne Venet, Providence, USA
9:36 – 9:42	<b>OP 108</b>	EFFECT OF 17 $\beta$ -ESTRADIOL ON SIGNAL TRANSDUCTION PATHWAYS AND SECONDARY DAMAGE IN EXPERIMENTAL SPINAL CORD TRAUMA (A 36) Salvatore Cuzzocrea, Messina, Italy

<b>Wednesday</b> <b>March 14<sup>th</sup>, 2007</b>	<b>Lecture Hall V</b> <b>8:30 am – 10:00 am</b>	<b>Session 13</b> <b>FREE-CO</b>	
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- 9:42 – 9:48      **OP 109** ANALYSIS OF SYSTEMIC INTERLEUKIN-18 IN MULTIPLE INJURED PATIENTS (A 37)  
Bernd Roetman, Bochum, Germany
- 9:48 – 9:54      **OP 110** PRO-INFLAMMATORY TH1-RESPONSE IN SIRS IS ATTENUATED BY CANNABIS (DELTA-9-THC) SUPPLEMENTED OPIOID THERAPY INDEPENDENTLY OF THE MU-OPIOID RECEPTOR ( $\mu$ OPR) POLYMORPHISM (A 38)  
Ute Bauer, Ulm, Germany

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## Novel Cytokines

**Moderators:** Jean-Marc Cavaillon, Paris, France  
René De Waal Malefyt, Palo Alto, USA

2:00 – 2:20	<b>SY 111</b>	<b>INFLAMMATION CONTROL BY IL-23</b> Martin Olt, Palo Alto, USA
2:20 – 2:40	<b>SY 112</b>	<b>IL-27</b> Markus F. Neurath, Mainz, Germany
2:40 – 3:00	<b>SY 113</b>	<b>IL-32</b> Charles Dinarello, Denver, USA
3:00 – 3:20	<b>SY 114</b>	<b>IL-33</b> Stefan Pflanz, Palo Alto, USA
3:20 – 3:40	<b>SY 115</b>	<b>IL-31</b> Hughes Gascan, Angers, France
3:40 – 4:00	<b>SY 116</b>	<b>MOLECULAR REGULATION OF NEUTROPHIL RESPONSIVENESS TO IL-10 (A 95)</b> Marco A. Cassatella, Verona, Italy



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## **Liver X Receptor in Inflammation and Sepsis**

**Moderators:** Ansgar O. Aasen, Oslo, Norway  
Jacob Wang, Oslo, Norway

- |             |               |   |
|-------------|---------------|---|
| 4:30 – 4:50 | <b>SY 117</b> | <b>LXR IN INTEGRATED METABOLISM AND ATHEROSCLEROSIS</b><br>Jan-Ake Gustafsson, Huddinge, Sweden |
| 4:50 – 5:10 | <b>SY 118</b> | <b>THE NUCLEAR RECEPTOR LXR IS A GLUCOSE SENSOR</b><br>Enrique Saez, La Jolla, USA              |
| 5:10 – 5:30 | <b>SY 119</b> | <b>LXR IN INFLAMMATION</b><br>Annabel F. Valledor, Barcelona, Spain                             |
| 5:30 – 5:50 | <b>SY 120</b> | <b>LXR IN DEVELOPMENT OF SEPSIS AND MODS</b><br>Jacob Wang, Oslo, Norway                        |
| 5:50 – 6:10 | <b>SY 121</b> | <b>LXR FUNCTION IN MONOCYTES FROM SEPTIC PATIENTS</b><br>Maria K Dahle, Oslo, Norway            |

<b>Wednesday</b> March 14 <sup>th</sup> , 2007	<b>Lecture Hall VI</b> 4:00 pm – 6:30 pm	<b>Session 16</b> <b>SYMPOSIUM</b>	
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## Cornerstones and Controversies in the Management of Intra-Abdominal Infection

**Moderators:** Philip S Barie, New York, USA  
William Cheadle, Louisville, USA

4:00 – 4:20	<b>SY 122</b>	<b>PATHOPHYSIOLOGY OF PERITONITIS (A 389)</b> William Cheadle, Louisville, USA
4:20 – 4:40	<b>SY 123</b>	<b>ANIMAL MODELS OF PERITONITIS</b> Daniel Remick, Boston, USA
4:40 – 5:00	<b>SY 124</b>	<b>MICROBIOLOGY OF BACTERIAL PERITONITIS (A 390)</b> Carl Erik Nord, Stockholm, Sweden
5:00 – 5:20	<b>SY 125</b>	<b>TERTIARY PERITONITIS: INVASIVE INFECTION OR FAILURE OF HOST DEFENSES?</b> Ori Rotstein, Toronto, Canada
5:20 – 5:40	<b>SY 126</b>	<b>SOURCE CONTROL: HOW TO ACHIEVE IT, AND WHY DOES IT FAIL?</b> John Marshall, Toronto, Canada
5:40 – 6:00	<b>SY 127</b>	<b>ANTIBIOTIC THERAPY: FOR HOW LONG, WHICH AGENTS, WHAT ROUTE?</b> Hannes Wacha, Frankfurt, Germany
6:00 – 6:20	<b>SY 128</b>	<b>ACTIVATED PROTEIN C: IS THERE A ROLE IN THERAPY OF INTRAABDOMINAL INFECTIONS? (A 391)</b> Philip S Barie, New York, USA



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## Trauma Registries

**Moderators:** Ingo Marzi, Frankfurt, Germany  
Christian Schinkel, Bochum, Germany

- 8:30 – 8:42     **OR 129**    USE OF A TRAUMA REGISTRY TO MONITOR LENGTH OF STAY AND DISCHARGE DISPOSITION BY PAYOR SOURCE AT A US LEVEL I TRAUMA CENTER (A 361)  
John Kirby, St. Louis, USA
- 8:42 – 8:54     **OR 130**    UPDATE ON BLUNT TRAUMA DOCUMENTATION (A 363)  
Christian Probst, Hannover, Germany
- 8:54 – 9:00     **OP 131**    OUTCOME AFTER POLYTRAUMA: THE EFFECTS OF SOCIAL AND DEMOGRAPHIC FACTORS AT THE TEN YEAR FOLLOW-UP IN 637 PATIENTS (A 362)  
Christian Probst, Hannover, Germany
- 9:00 – 9:06     **OP 132**    POSSUM SEQUENTIAL PHYSIOLOGY SCORING FACILITATES OBJECTIVE ASSESSMENT OF COST-EFFECTIVENESS IN PATIENTS WITH AN INTRAABDOMINAL EMERGENCY (A 364)  
Carlos Emparan, Calahorra, Spain
- 9:06 – 9:12     **OP 133**    BIOLOGICAL INTERACTION BETWEEN HEAD INJURY, ABDOMINAL INJURY AND THORACIC INJURY INCREASES MORTALITY (A 365)  
Rolf Gedeberg, Uppsala, Sweden
- 9:12 – 9:18     **OP 134**    ADDING DIAGNOSTIC INFORMATION FROM AUTOPSY TO HOSPITAL DISCHARGE DIAGNOSES REDUCES INJURY SURVIVAL RISK RATIOS (A 366)  
Rolf Gedeberg, Uppsala, Sweden


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## Engineering Inflammation and Immunity by Adenosine A2 Receptors

**Moderators:** Michail Sitkovsky, Boston, USA  
Manfred Thiel, Munich, Germany

10:30 – 10:50	<b>SY 135</b>	<b>HYPOXIA-ADENOSINERGIC MECHANISMS OF TISSUE PROTECTION</b> Michail Sitkovsky, Boston, USA
10:50 – 11:10	<b>SY 136</b>	<b>MECHANISMS OF ANTI-INFLAMMATORY ADAPTATION TO HYPOXIA (A 39)</b> Sean Colgan, Denver, USA
11:10 – 11:30	<b>SY 137</b>	<b>ENDOTHELIAL CATABOLISM OF EXTRACELLULAR ADENOSINE DURING HYPOXIA: ROLE OF SURFACE ADENOSINE DEAMINASE AND CD26</b> Holger K. Eltzschig, Tuebingen, Germany
11:30 – 11:50	<b>SY 138</b>	<b>OXYGEN ELIMINATES THE PROTECTIVE ADENOSINE – A2A SIGNALLING PATHWAY AND THEREBY EXACERBATES ACUTE LUNG INJURY</b> Manfred Thiel, Munich, Germany
11:50 – 12:10	<b>SY 139</b>	<b>DIFFERENTIAL ROLES OF A2 A AND A2 B RECEPTORS IN ISCHEMIC AND HYPOXIC HEPATIC PRECONDITIONING</b> Alexander Chouker, Munich, Germany
12:10 – 12:30	<b>SY 140</b>	<b>THERMAL INJURY INDUCED LYMPHOCYTE APOPTOSIS – A ROLE FOR A2A RECEPTORS? (A 40)</b> Charles C. Caldwell, Cincinnati, USA
12:30 – 12:50	<b>SY 141</b>	<b>ADENOSINE A2A RECEPTOR INACTIVATION INCREASES SURVIVAL IN POLYMICROBIAL SEPSIS (A 41)</b> György Haskó, Newark, USA

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## **cAMP Signalling in Inflammation and Sepsis**

**Moderators:** Ansgar O. Aasen, Oslo, Norway  
 Maria K Dahle, Oslo, Norway


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| 1:00 – 1:20 | <b>SY 142</b> | <b>PROTECTIVE EFFECT OF PHOSPHODIESTERASE INHIBITORS IN SEPSIS</b><br>Raul Coimbra, San Diego, USA                |
| 1:20 – 1:40 | <b>SY 143</b> | <b>IMPORTANCE OF cAMP FOR ENDOTHELIAL FUNCTION</b><br>Troy Stevens, Mobile, USA                                   |
| 1:40 – 2:00 | <b>SY 144</b> | <b>REGULATION OF ADENYLCYCLASES IN SEPSIS</b><br>P. K. Risøe, Oslo, Norway  |
| 2:00 – 2:20 | <b>SY 145</b> | <b>IMPORTANCE OF cAMP-SIGNALLING FOR TISSUE MACROPHAGE INFLAMMATORY RESPONSES</b><br>Maria K. Dahle, Oslo, Norway |
| 2:20 – 2:40 | <b>SY 146</b> | <b>cAMP-MEDIATED REGULATION OF ADAPTIVE IMMUNE FUNCTION (A 15)</b><br>Kjetil Tasken, Oslo, Norway                 |
| 2:40 – 3:00 | <b>SY 147</b> | <b>ROLE OF A2A-RECEPTORS IN INFLAMMATION</b><br>Michail Sitkovsky, Boston, USA                                    |
| 3:00 – 3:20 | <b>SY 148</b> | <b>NEUROPEPTIDES IN INFLAMMATION</b><br>Mario Delgado, Granada, Spain   |

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## How Does Inflammation Cause Organ Failure?

**Moderators:** Peter Radermacher, Ulm, Germany  
Mervyn Singer, London, United Kingdom


4:00 – 4:20	<b>SY 149</b>	<b>ROLE OF THE MICROCIRCULATION</b> Can Ince, Amsterdam, Netherlands
4:20 – 4:40	<b>SY 150</b>	<b>ROLE OF WHITE CELLS</b> Mario Perl, Ulm, Germany
4:40 – 5:00	<b>SY 151</b>	<b>CAN CYTOKINES PREDICT MOF IN CRITICALLY ILL TRAUMA PATIENTS? (A 48)</b> David Mercer, Houston, USA
5:00 – 5:20	<b>SY 152</b>	<b>OPPOSITE ROLES OF HYPOXIA-ADENOSINERGIC IMMUNE REGULATION IN ACUTE VS CHRONIC INFLAMMATION AND SIRS VS CARS (A 49)</b> Michail Sitkovsky, Boston, USA
5:20 – 5:40	<b>SY 153</b>	<b>ROLE OF NITROSATIVE AND OXIDATIVE STRESS</b> Peter Radermacher, Ulm, Germany
5:40 – 6:00	<b>SY 154</b>	<b>ROLE OF THE EPITHELIAL TIGHT JUNCTION</b> Mitchell P. Fink, Pittsburgh, USA
6:00 – 6:20	<b>SY 155</b>	<b>ROLE OF CELL DEATH</b> Richard S. Hotchkiss, St. Louis, USA
6:20 – 6:40	<b>SY 156</b>	<b>ROLE OF MITOCHONDRIAL DYSFUNCTION</b> Mervyn Singer, London, United Kingdom
6:40 – 7:00	<b>SY 157</b>	<b>ROLE OF GENETIC UP- AND DOWN-REGULATION (A 50)</b> Steve Calvano, New Brunswick, USA

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## Novel Insights in Mechanisms of Inflammation

**Moderators:** Steven Kunkel, Ann Arbor, USA  
Brigitte Vollmar, Rostock, Germany

- 8:30 – 8:42     **OR 158** TREATMENT WITH ANTI-GITR AGONISTIC ANTIBODY CORRECTS T CELL DYSFUNCTION AND IMPROVES SURVIVAL IN MURINE SEPSIS (A 253)  
Philip Scumpia, Gainesville, USA
- 8:42 – 8:54     **OR 159** DAMAGE TO ENDOPLASMIC RETICULUM BUT NOT TO MITOCHONDRIA IS A POSSIBLE MECHANISM FOR ENDOTOXIN-INDUCED LIVER FAILURE (A 254)  
Andrey Kozlov, Vienna, Austria
- 8:54 – 9:06     **OR 160** THERMAL INJURY AND SEPSIS CAUSE AN INCREASE IN MONOCYTES THAT ARE THE MAJOR PRODUCERS OF TNF (A 255)  
Cora Ogle, Cincinnati, USA
- 9:06 – 9:18     **OR 161** GENETIC POLYMORPHISMS OF NOD1 AND IL-8 BUT NOT POLYMORPHISMS OF TLR4 GENES ARE ASSOCIATED WITH HELICOBACTER PYLORI-INDUCED DUODENAL ULCER AND GASTRITIS (A 256)  
Yvette Mándi, Szeged, Hungary
- 9:18 – 9:24     **OP 162** POST-TRANSCRIPTIONAL REGULATION OF ICAM-1 EXPRESSION BY P38 MAPK PATHWAY IN HUMAN MICROVASCULAR ENDOTHELIAL CELLS: THE ROLE OF HSP27 (A 257)  
Xianzhong Meng, Denver, USA
- 9:24 – 9:30     **OP 163** SITE-SPECIFIC DNA-BINDING ABILITY OF HNF-4a IS MODIFIED BY INJURY (A 258)  
Peter Burke, Boston, USA
- 9:30 – 9:36     **OP 164** JAM-A MEDIATES LEUKOCYTE TRANSMIGRATION DYNAMICALLY AND IN A STIMULUS-SPECIFIC MANNER (A 259)  
Christoph Reichel, Munich, Germany
- 9:36 – 9:42     **OP 165** VASCULAR SMOOTH MUSCLE CELL CALCIUM SENSITIVITY IS DECREASED DURING LIPOPOLYSACCHARIDE-MEDIATED INFLAMMATION (A 260)  
Yves Ouellette, Rochester, USA

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9:42 – 9:48	<b>OP 166</b>	THROMBIN-ACTIVATED FIBRINOLYSIS INHIBITOR (TAFI) IMPAIRS HOST DEFENSE IN GRAM-NEGATIVE SEPSIS CAUSED BY BURKHOLDERIA PSEUDOMALLEI (A 261) Willem Joost Wiersinga, Amsterdam, Netherlands
9:48 – 9:54	<b>OP 167</b>	EXTRACELLULAR HYDROLYSIS OF SPHINGOMYELIN IN PATIENTS WITH SYSTEMIC INFLAMMATION AND ORGAN FAILURE (A 262) Ralf A. Claus, Jena, Germany
9:54 – 10:00	<b>OP 168</b>	FOCAL ADHESION KINASE EXPRESSION AND ACTIVATION IN INTESTINAL INFLAMMATION (A 263) Robert Winfield, Gainesville, USA
10:00 – 10:06	<b>OP 169</b>	EFFECT OF TEMPERATURE ON PROTEIN-BINDING OF CORTISOL (A 264) Michael Vogeser, Munich, Germany

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## Update on Function and Interaction of Biologic Mediators

**Moderators:** Thierry Calandra, Lausanne, Switzerland  
René De Waal Malefyt, Palo Alto, USA

- 11:00 – 11:12    **OR 170**    EXPRESSION-PROFILING OF TRIGGERING RECEPTOR EXPRESSED ON MYELOID CELLS-1 (TREM-1) IN GRAM-NEGATIVE SEPSIS UNDERSCORES ITS DIAGNOSTIC AND POSSIBLE THERAPEUTIC POTENTIAL (A 134)  
Willem Joost Wiersinga, Amsterdam, Netherlands
- 11:12 – 11:24    **OR 171**    GRAM POSITIVE AND GRAM NEGATIVE PNEUMONIA INDUCE UNIQUE SYSTEMIC CYTOKINE PROFILES (A 135)  
Kevin McConnell, St. Louis, USA
- 11:24 – 11:36    **OR 172**    NUCLEAR TRANSLOCATION OF THE INTERLEUKIN 1 HOMOLOGUE IL 1F7b IS DEPENDENT ON CASPASE 1 (A 136)  
Philip Bufler, Munich, Germany
- 11:36 – 11:48    **OR 173**    SPLANCHNIC ISCHEMIA AND REPERFUSION INJURY IS REDUCED BY GENETIC OR PHARMACOLOGICAL INHIBITION OF TNF- $\alpha$  (A 137)  
Salvatore Cuzzocrea, Messina, Italy
- 11:48 – 12:00    **OR 174**    HMGB1 (AMPHOTERIN) INTERACTIONS WITH MONOCYTES AND PLATELETS ARE INHIBITED BY GLYCYRRHIZIN (A 138)  
Ari Rouhiainen, Helsinki, Finland
- 12:00 – 12:06    **OP 175**    CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASES (CAMK) MEDIATE MACROPHAGE LPS-INDUCED HMGB1 PRODUCTION (A 139)  
Matthew Rosengart, Pittsburgh, USA
- 12:06 – 12:12    **OP 176**    LPS-INDUCED IL-10 PRODUCTION REQUIRES CD14 IN MACROPHAGES. TNF-ALPHA PRODUCTION CAN OPERATE THROUGH AN ALTERNATE PATHWAY (A 140)  
Peter Thomas, Omaha, USA
- 12:12 – 12:18    **OP 177**    DECREASED EXPRESSION OF CX3CR1 IN SEPTIC SHOCK: TRANSCRIPTIONAL REGULATION BY LPS, CORTISOL AND SOLUBLE FRACTALKINE (A 141)  
Alexandre Pachot, Lyon, France

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- 12:18 – 12:24 **OP 178** LIPOPOLYSACCHARIDE INDUCES INTERLEUKIN-10 mRNA STABILITY THROUGH A POST-TRANSCRIPTIONAL MECHANISM (A 142)  
Jonathan Roach, Denver, USA
- 12:24 – 12:30 **OP 179** CD73-DERIVED ADENOSINE AMELIORATES IMMUNE DYSFUNCTION AND ORGAN INJURY IN SEPSIS (A 143)  
György Haskó, Newark, USA

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## Fungal Infections in Critically Ill Patients

**Moderators:** Thierry Calandra, Lausanne, Switzerland  
Joseph S. Solomkin, Cincinnati, USA


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| 2:00 – 2:20 | <b>SY 180</b> | <b>EPIDEMIOLOGY OF CANDIDIASIS IN THE ICU</b><br>Joseph S. Solomkin, Cincinnati, USA  |
| 2:20 – 2:40 | <b>SY 181</b> | <b>ASPERGILLOSIS IN NON-ONCOLOGICAL PATIENTS</b><br>Jacques Bille, Lausanne, Switzerland  |
| 2:40 – 3:00 | <b>SY 182</b> | <b>NEW INSIGHTS INTO THE PATHOGENESIS OF FUNGAL INFECTIONS</b><br>Mihai Netea, Nijmegen, Netherlands  |
| 3:00 – 3:20 | <b>SY 183</b> | <b>DIAGNOSIS OF FUNGAL INFECTIONS: ROLE OF NEW NON-INVASIVE TOOLS IN THE CRITICALLY ILL PATIENT (A 395)</b><br>Oscar Marchetti, Lausanne, Switzerland |
| 3:20 – 3:40 | <b>SY 184</b> | <b>PREVENTION OF INVASIVE FUNGAL INFECTIONS IN THE ICU: PROPHYLAXIS, PREEMPTIVE OR EMPIRICAL THERAPY?</b><br>Michael West, Chicago, USA               |
| 3:40 – 4:00 | <b>SY 185</b> | <b>MANAGEMENT OF CANDIDIASIS: WHAT'S NEW?</b><br>Thierry Calandra, Lausanne, Switzerland  |

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## Inflammatory Stress Cell Signalling

**Moderators:** Joseph Cuschieri, Seattle, USA  
Michael West, Chicago, USA


4:30 – 4:50	<b>SY 186</b>	LIPIDS RAFTS AND INITIATION OF INNATE IMMUNE CELL SIGNALLING (A 60) Joseph Cuschieri, Seattle, USA
4:50 – 5:10	<b>SY 187</b>	PKC AND TOLERANCE TO ENDOTOXIN Michael West, Chicago, USA
5:10 – 5:30	<b>SY 188</b>	mTOR PATHWAY CONTROL OF INFLAMMATORY MEDIATOR PRODUCTION Ronald V. Maier, Seattle, USA
5:30 – 5:50	<b>SY 189</b>	A ROLE FOR TYPE I INTERFERONS IN ENDOTOXEMIA AND SEPSIS? (A 61) Claude Libert, Ghent, Belgium
5:50 – 6:10	<b>SY 190</b>	G-PROTEINS AND CONTROL OF THE RESPONSE TO STRESS (A 62) James Cook, Charleston, USA
6:10 – 6:30	<b>SY 191</b>	MAPK AND THE REGULATION OF IMMUNE RESPONSE TO INJURY (A 63) Mashkoor Choudhry, Birmingham, USA

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## **Traumatic Stress, Immunoinflammatory Stress Response, ICU Monitoring in Critical Illness and Organ Dysfunction**


**Moderators:** Mario Perl, Providence, USA  
Gustav Schelling, Munich, Germany

- P 192** TETRAHYDRO-4-AMINOBIOPTERIN INHIBITS KEY INTRACELLULAR SIGNALLING PATHWAYS – POSSIBLE IMPLICATIONS FOR iNOS-INDEPENDENT IMMUNOSUPPRESSION (A 507)  
Manuel Maglione, Innsbruck, Austria
- P 193** TNF- $\alpha$  INDUCES NF-kB- AND p38 MAP KINASE-DEPENDENT GENE EXPRESSION PROGRAMS WITH SPECIFIC PATTERNS IN HUMAN MICROVASCULAR AND MACROVASCULAR ENDOTHELIA (A 508)  
Dorothee Viemann, Muenster, Germany
- P 194** HISTOPATHOLOGICAL CHANGES AND THERAPEUTIC EFFECTS OF GLUCOSAMINE, CHONDROITINE AND METHYL-SULFONYL-METHANE IN MONOIDOACETATE-INDUCED OSTEOARTHRITIS IN KNEE JOINT OF RAT (A 509)  
Mahsa Hadipour-Jahromy, Tehran, Iran
- P 195** OXIDIZED PHOSPHOLIPIDS INHIBIT THE PHAGOCYtic CAPACITY OF PROFESSIONAL PHAGOCYTES THEREBY IMPAIRING OUTCOME IN GRAMNEGATIVE SEPSIS IN VIVO (A 510)  
Ulrich Matt, Wien, Austria
- P 196** ROLE OF LIVER AND SPLANCHNIC CIRCULATION IN ANAPHYLACTIC HYPOTENSION IN BALB/c MICE (A 511)  
Toshishige Shibamoto, Uchinada-Kanazawa, Japan
- P 197** HEPATIC MICROCIRCULATION AND TISSUE OXYGENATION IN SEPSIS AND AFTER HEMIHEPATECTOMY IN A SMALL ANIMAL MODEL (A 512)  
Ben van der Hoven, Rotterdam, Netherlands


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- P 198** NEUROGENIC SHOCK AND PULMONARY EDEMA INDUCED BY INTRACEREBROVENTRICULAR INJECTION OF BRAZILIAN SCORPION TOXIN IN RATS (A 513)  
Marcus V. Andrade, Belo Horizonte, Brasil
- P 199** CLINICAL AND INFLAMMATORY RESULTS 96 HOURS FOLLOWING MULTIPLE INJURIES IN A MOUSE MODEL OF HEAD INJURY, FEMORAL FRACTURE AND HEMORRHAGIC SHOCK (A 514)  
Christian Probst, Hannover, Germany
- P 200** CLINICAL SIGNIFICANCE OF THE DETECTION OF THE HOMOLOGOUS DELETION OF p16 GENE IN MALIGNANT PLEURAL EFFUSION (A 515)  
Shuyu Gui, Hefei, China
- P 201** EVALUATION OF RESPIRATORY PARAMETERS IN THE COURSE OF MURINE SEPSIS (A 516)  
Uwe Senftleben, Ulm, Germany
- P 202** EVALUATION OF ECG, TEMPERATURE AND ACTIVITY IN THE COURSE OF MURINE SEPSIS (A 517)  
Uwe Senftleben, Ulm, Germany
- P 203** "IN VITRO / IN VIVO" MODELS FOR JOINT TRAUMATIC ARTHRITIS IN HORSE NEED THE MONITORING OF JOINT STATUS VIA MATRIX METALLOPROTEINASE (MMP) PATTERNS OF SYNOVIAL FLUIDS (A 518)  
Evgueni Karakine, Bad Langensalza, Germany
- P 204** INITIAL POSTTRAUMATIC TRANSLOCATION OF STAT1 FOLLOWED BY SOCS1 mRNA EXPRESSION IS REDUCED IN MAJOR TRAUMA PATIENTS WITH ADVERSE OUTCOME (A 520)  
Julia Stegmaier, Munich, Germany
- P 205** INFLAMMATORY AND BIOCHEMICAL MODULATION FOLLOWING TRUNKAL SKELETAL SURGERY – PROSPECTIVE, COHORT STUDY TO QUANTIFY THE BURDEN OF SURGERY (A 521)  
Philipp Kobbe, Pittsburgh, USA


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- P 206** SYNERGISTIC EFFECT OF ETHANOL AND SHOCK INSULTS ON GUT CYTOKINE PRODUCTION AND BARRIER DYSFUNCTION (A 522)  
Parth Amin, Detroit, USA
- P 207** IS A SECONDARY OPERATION AFTER POLYTRAUMA REFLECTED BY ALTERED SYSTEMIC CYTOKINE RESPONSE? (A 523)  
Thomas M. Frangen, Bochum, Germany
- P 208** EPIDEMIOLOGY AND CIRCADIAN ANALYSIS OF TRAUMA AND TRAFFIC ACCIDENTS IN TOKYO, JAPAN (A 524)  
Toshikazu Abe, Chuo-Tokyo, Japan
- P 209** REGULATION OF THE LIVER X RECEPTORS DURING EXPERIMENTAL SEPSIS (A 525)  
Una Ryg, Oslo, Norway
- P 210** CHANGES IN ENDOGENOUS HORMONE PRODUCTION FOLLOWING A MAJOR BURN (A 526)  
William Norbury, Galveston, USA
- P 211** CHRONOLOGICAL EXPRESSION OF PAR ISOFORMS IN ACUTE LIVER INJURY AND ITS AMELIORATION BY PAR2 BLOCKADE IN A RAT MODEL OF SEPSIS (A 527)  
Satoshi Gando, Sapporo, Japan
- P 212** DIAGNOSIS AND THERAPY OF CAUSTIC INJURIES OF THE UPPER GI TRACT IN A TERTIARY REFERRAL CENTER – A 5-YEAR RETROSPECTIVE ANALYSIS (A 528)  
Ralph Schroeder, Bern, Switzerland
- P 213** LETAL PNEUMONIA BY STREPTOCOCCUS PYOGENES 4 WEEKS AFTER SIMULTANEOUS PANCREAS-KIDNEY-TRANSPLANTATION – A CASE REPORT (A 529)  
Neslihan Ertas, Bochum, Germany
- P 214** FIVE MONTH OF TRAUMA REGISTRY IN IRAN ARMY HOSPITALS  
Shahrokh Farzampour, Tehran, Iran
- P 215** CARDIAC FUNCTION DERANGEMENTS IN PEDIATRIC BURN PATIENTS (A 530)  
William Norbury, Galveston, USA

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- P 216** MANAGEMENT OF ABDOMINAL EMERGENCIES BY A SURGICAL HIGH-DEPENDENCY UNIT (A 531)  
Carlos Emparan, Calahorra, Spain
- P 217** A MULTIPLEX REAL-TIME PCR ASSAY FOR RAPID DETECTION AND DIFFERENTIATION OF 25 BACTERIAL AND FUNGAL PATHOGENS FROM WHOLE BLOOD SAMPLES (A 532)  
Lutz Eric Lehmann, Bonn, Germany
- P 218** EFFECTS OF SURGICAL STRESS AND ENDOTOXIN ON GASTROINTESTINAL MYOELECTRIC ACTITIVITY AND TRANSIT (A 533)  
Natalia Tropkaya, Moscow, Russia
- P 219** THE RELATIONSHIP BETWEEN THE DEPTH OF THE SEDATION AND THE MORTALITY RATE OF THE PATIENTS UNDERGOING MECHANICAL VENTILATION (A 534)  
Masayuki Kamochi, Kitakyushu, Japan
- P 220** MANNHEIM PERITONITIS INDEX – PROGNOSTIC SCORE IN INTRA-ABDOMINAL ORGAN PERFORATION (A 535)  
Mehmet Yildirim, Izmir, Turkey
- P 221** CLINICAL DYNAMIC OBESERVATION OF LIDOCAIN’S FUNCTION IN PATIENTS WITH ACUTE CEREBRAL CONTUSIONS (A 536)  
Hongsheng Xu, Xuzhou, China
- P 222** INFLUENCE OF DIRECT HEMOPERFUSION USING POLYMXIN B IMMOBILIZED FIBER (PMX- DHP) ON CARDIAC VARIABILITY IN THE PATIENTS WITH SEPTIC SHOCK (A 537)  
Kuroki Yuichi, Hachioji, Japan
- P 223** OUTCOMES OF BLOOD TRANSFUSION IN THE FIRST 24 HOURS FOLLOWING SURGERY  
Pongtorn Kietdumrongwong, Bangkok, Thailand
- P 224** CMV AND EBV IN OUR STUDIED PATIENTS WITH INFLAMMATORY BOWEL DISEASES  
Ryszard Marciniak, Poznan, Poland

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- P 225** ABDOMINAL COMPARTMENT SYNDROME AND SEPSIS  
Zsolt Bodnár, Debrecen, Hungary
- P 226** PROSPECTIVE ASSESSMENT OF HEPATIC FUNCTION AND POTENTIAL MECHANISMS OF DYSFUNCTION IN SEVERE SEPSIS (A 538)  
Andreas Kortgen, Jena, Germany
- P 227** KLEBSIELLA PNEUMONIA AND CHRONIC SEPSIS – AN INVESTIGATION OF ANTI-INFLAMMATORY IL-10 CYTOKINE INDUCTION IN MACROPHAGES (A 539)  
Andreas Lenz, Louisville, USA
- P 228** INTERLEUKIN-17 IN ACUTE PANCREATITIS (A 540)  
Serge Chooklin, Lviv, Ukraine
- P 229** ANALYSIS OF SYSTEMIC INTERLEUKIN-17 (IL-17) AFTER SEVERE INJURY (A 541)  
Denise Bogdanski, Bochum, Germany
- P 230** INTERLEUKIN-18 AND ADHESION MOLECULES IN CLINICAL COURSE OF SEVERE PANCREATITIS (A 542)  
Ihor Bihalsky, Lviv, Ukraine
- P 231** SUBSTITUTION OF INTERLEUKIN-2 (IL-2) FAILS TO RESTORE NEONATAL T-CELL ACTIVATION TO THE EXTENT OF ADULTS (A 543)  
Throsten Orlikowsky, Tuebingen, Germany
- P 232** DEPLETION OF REGULATORY T-CELLS TO AMPLIFY IN VITRO RESPONSE OF NICKEL SPECIFIC T-CELLS (A 544)  
Oliver Bremm, Bochum, Germany
- P 233** CHANGES IN REGULATORY T-CELL AND MYELOID SUPPRESSOR CELL POPULATIONS AFTER BURN INJURY (A 545)  
Claudia Moreno, Gainesville, USA
- P 234** DIFFERENTIATION OF IMMUNE RESPONSE PATTERNS IN PATIENTS WITH OR WITHOUT INFECTIOUS COMPLICATIONS (A 552)  
Melanie Wasmuth, Munich, Germany

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- P 235a** LEVELS OF SOLUBLE AND ENDOGENOUS SECRETORY RAGE AFTER SEVERE TRAUMA (A 553)  
 Robert Kraft, Munich, Germany
- P 235b** CORRELATION OF CD4+ T-CELL LOSS WITH PNEUMONIA HUMAN STROKE PATIENTS  
 Antje Vogelgesang, Greifswald, Germany



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<b>Saturday March 17<sup>th</sup>, 2007</b>	<b>164 – 176</b>	<b>Saturday</b>
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## Autoimmune Vasculitis

**Moderators:** Hans-Joachim Anders, Munich, Germany  
Gary Hoffman, Cleveland, USA

- 9:00 – 9:20     **SY 236** VASCULITIS AND PULMONARY HEMORRHAGE: PATHOGENESIS, TREATMENT AND OUTCOMES (A 150)  
Ulrich Specks, Rochester, USA
- 9:20 – 9:40     **SY 237** MECHANISMS OF RAPIDLY PROGRESSIVE RENAL FAILURE IN THE SETTING OF WEGENER'S GRANULOMATOSIS (WG), MICROSCOPIC POLYANGIITIS (MPA) AND CHURG STRAUSS SYNDROME (CSS) (A 151)  
Cees Kallenberg, Groningen, Netherlands
- 9:40 – 10:00    **SY 238** VASCULITIS AND RENAL TRANSPLANTATION – SHOULD SUCH PATIENTS BE TRANSPLANTED? (A 152)  
Kirsten de Groot, Offenbach, Germany
- 10:00 – 10:20   **SY 239** ACCELERATED ATHEROSCLEROSIS IN SYSTEMIC LUPUS AND RHEUMATOID ARTHRITIS (A 153)  
Susan Manzi, Pittsburgh, USA
- 10:20 – 10:40   **SY 240** PATHOGENIC MECHANISMS IN GIANT-CELL ARTERITIS (A 154)  
Maria Cid, Barcelona, Spain
- 10:40 – 11:00   **SY 241** ADJUNCTIVE THERAPY TO CORTICOSTEROIDS IN GIANT CELL ARTERITIS (A 155)  
Gary Hoffman, Cleveland, USA




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<b>Thursday</b> March 15 <sup>th</sup> , 2007	<b>Lecture Hall I</b> 11:30 am – 2:20 pm	<b>Session 27</b> <b>SYMP/FREE-CO</b>	
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## **RAGE – A Central Player in Diabetes and Metabolic Disease**

**Moderators:** Angelika Bierhaus, Heidelberg, Germany  
Reilly Muredach, Philadelphia, USA


11:30 – 11:50	<b>SY 242</b>	<b>CELL BIOLOGY OF DIABETIC VASCULAR DAMAGE: THE RETINA AS A PARADIGM</b> Hans-Peter Hammes, Mannheim, Germany
11:50 – 12:10	<b>SY 243</b>	<b>DIABETIC VASCULAR DISEASE: IT'S ALL THE RAGE</b> Shi Fang Yan, New York, USA
12:10 – 12:30	<b>SY 244</b>	<b>THE GLYOXALASE-SYSTEM – A CELLULAR DEFENSE MECHANISM PROTECTING FROM AGE-FORMATION</b> Paul J. Thornalley, Coventry, United Kingdom
12:30 – 12:50	<b>SY 245</b>	<b>AGE AND RAGE IN MACROVASCULAR DISEASE (A 268)</b> Karin Jandeleit-Dahm, Melbourne, Australia
12:50 – 1:10	<b>SY 246</b>	<b>AGE AND RAGE IN DIABETIC NEUROPATHY (A 269)</b> Angelika Bierhaus, Heidelberg, Germany
1:10 – 1:30	<b>SY 247</b>	<b>ENDOGENOUS SECRETORY RAGE: A POTENTIAL BIOMARKER FOR METABOLIC SYNDROME AND ATHEROSKLEROSIS (A 563)</b> Hidenori Koyama, Osaka, Japan
1:30 – 1:42	<b>OR 248</b>	<b>USE OF SINGLE-POINT MUTATED HMGB1 BOX A VARIANTS AS THERAPEUTIC AGENTS IN HMGB1 AND RAGE RELATED PATHOLOGIES (A 270)</b> Chiara Lorenzetto, Colleretto Giacosa, Italy
1:42 – 1:54	<b>OR 249</b>	<b>RAGE-DEFICIENCY BOOSTS BACTERIAL KILLING BY NEUTROPHILS (A 271)</b> Jochen Ludwig, Heidelberg, Germany
1:54 – 2:06	<b>OR 250</b>	<b>A BETTER SURVIVAL OF RAGE-/-MICE COMPARED TO WT-MICE IN AN ANIMAL MODEL OF SEPTICEMIA COULD BE LINKED TO A DIFFERENT LEUKOCYTE DISTRIBUTION (A 272)</b> Robert Bänder, Heidelberg, Germany
2:06 – 2:18	<b>OR 251</b>	<b>esRAGE IS ELEVATED IN SEPTIC PATIENTS AND ASSOCIATED WITH PATIENTS OUTCOME (A 273)</b> Christian Bopp, Heidelberg, Germany

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## Inflammation and Metabolic Syndrome

**Moderators:** Ulrich Kintscher, Berlin, Germany  
Klaus G. Parhofer, Munich, Germany

2:30 – 2:50	<b>SY 252</b>	CHRONIC INFLAMMATION AS A COMPONENT OF THE METABOLIC SYNDROME Matthias Blueher, Leipzig, Germany
2:50 – 3:10	<b>SY 253</b>	THE ROLE OF FAT IN INFLAMMATION Britta Siegmund, Berlin, Germany
3:10 – 3:30	<b>SY 254</b>	CLINICAL RELEVANCE OF THE LINK BETWEEN INFLAMMATION AND INSULIN RESISTANCE (A 192) Reilly Muredach, Philadelphia, USA
3:30 – 3:50	<b>SY 255</b>	INFLAMMATION, THROMBOSIS AND INSULIN RESISTANCE: THE CLOT THICKENS Peter Grant, Leeds, United Kingdom
3:50 – 4:10	<b>SY 256</b>	ADIPOKINES – THE LINK BETWEEN ADIPOSE TISSUE AND INSULIN RESISTANCE? Uli Broedl, Munich, Germany
4:10 – 4:30	<b>SY 257</b>	PPAR AND LXR: THE ROLE OF NUCLEAR RECEPTORS IN INSULIN RESISTANCE Michael Lehrke, Munich, Germany
4:30 – 4:50	<b>SY 258</b>	INFLAMMATION AND THE RENIN ANGIOTENSIN SYSTEM (A 566) Ulrich Kintscher, Berlin, Germany
4:50 – 5:02	<b>OR 259</b>	DIABETES DOES NOT ALTER MORTALITY OR HEMOSTATIC AND INFLAMMATORY RESPONSES IN PATIENTS WITH SEVERE SEPSIS (A 193) Michiel Stegenga, Amsterdam, Netherlands
5:02 – 5:14	<b>OR 260</b>	ASSOCIATION OF LIPOPOLYSACCHARIDE-BINDING PROTEIN AND CORONARY ARTERY DISEASE IN MEN (A 194) Philipp M. Lepper, Bern, Switzerland
5:14 – 5:20	<b>OP 261</b>	INCREASED VARIABILITY DURING TIGHT GLUCOSE CONTROL ALTERS THE CYTOKINE PROFILE IN BURN PATIENTS (A 195) Charles Wade, Ft. Sam Houston, USA

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## Inflammation and Diabetes Mellitus Type 2

**Moderators:** David N. Herndon, Galveston, USA  
Hans-Georg Joost, Potsdam, Germany

5:30 – 5:50	<b>SY 262</b>	THE PATHOPHYSIOLOGY OF TYPE II DIABETES Hans-Georg Joost, Potsdam, Germany
5:50 – 6:10	<b>SY 263</b>	DIABETIC DYSLIPOPROTEINEMIA: DOES INFLAMMATION PLAY A ROLE? Klaus G. Parhofer, Munich, Germany
6:10 – 6:30	<b>SY 264</b>	INTERLEUKIN-1 RECEPTORANTAGONISTS IN TYPE 2 DIABETES MELLITUS Claus M. Larsen, Gentofte, Denmark
6:30 – 6:50	<b>SY 265</b>	NON-ALCOHOLIC STEATOHEPATITIS (NASH): IS THE LIVER THE KEY INFLAMMATORY ORGAN IN TYPE 2 DIABETES? Herbert Tilg, Hall/Tyrol, Austria
6:50 – 7:10	<b>SY 266</b>	DIABETIC NEPHROPATHY: DOES INFLAMMATION PLAY A ROLE? Maximilian von Eynatten, Munich, Germany
7:10 – 7:30	<b>SY 267</b>	ATHEROSCLEROSIS IN TYPE 2 DIABETES – WHAT IS SO SPECIAL ABOUT IT? (A 190) Nikolaus Marx, Ulm, Germany
7:30 – 7:50	<b>SY 268</b>	BURN PATIENTS AS MODELS FOR INFLAMMATION INDUCED DIABETES (A 191) David N. Herndon, Galveston, USA



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## Danger Signals, DAMPs and PAMPs

**Moderators:** Anthony Coyle, Gaithersburg, USA  
Siegfried Zedler, Munich, Germany


- 8:00 – 8:12     **OR 269** HSP60 RELEASE AFTER LPS TREATMENT AND ITS EFFECTS ON CARDIAC MYOCYTES (A 181)  
Se-Chan Kim, Davis, USA
- 8:12 – 8:24     **OR 270** HSP70 EXPORT FROM TUMOR CELLS – A DANGER SIGNAL FOR THE IMMUNE SYSTEM (A 182)  
Gabriele Multhoff, Regensburg, Germany
- 8:24 – 8:36     **OR 271** MYCOBACTERIUM BOVIS BCG INDUCES HIGH MOBILITY GROUP BOX 1 PROTEIN RELEASE FROM MONOCYTIC CELLS (A 183)  
Yvette Mándi, Szeged, Hungary
- 8:36 – 8:48     **OR 272** UNCONVENTIONAL BIOLOGICAL PROPERTIES AND STRUCTURE OF LTA FROM LISTERIA MONOCYTOGENES (A 184)  
Oliver Dehus, Konstanz, Germany
- 8:48 – 8:54     **OP 273** POLYPROPYLENE GLYCOL IS AN INHIBITOR FOR LTA AND OTHER TLR-2 AGONISTS (A 180)  
Christian Draing, Konstanz, Germany
- 8:54 – 9:00     **OP 274** PRESENTATION OF LIPOTEICHOIC ACID POTENTIATES ITS INFLAMMATORY ACTIVITY (A 185)  
Christian Draing, Konstanz, Germany
- 9:00 – 9:06     **OP 275** ACUTE PHASE RESPONSE IMPAIRS HOST DEFENSE AGAINST ENTEROCOCCUS FAECIUM PERITONITIS IN MICE (A 186)  
Masja Leendertse, Amsterdam, Netherlands

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## Complex Systems Analysis and Modelling in Acute Illness

**Moderators:** Timothy Buchman, St. Louis, USA  
 Edmund Neugebauer, Cologne, Germany

9:30 – 9:50	<b>SY 276</b>	CHALLENGES FACING CRITICAL CARE MEDICINE Timothy Buchman, St. Louis, USA
9:50 – 10:10	<b>SY 277</b>	EVIDENCE-BASED MODELLING – HOW TO MANAGE (A 314) Edmund Neugebauer, Cologne, Germany
10:10 – 10:30	<b>SY 278</b>	SYSTEMS BIOLOGY OF INFLAMMATION (A 315) Michael Yaffe, Cambridge, USA
10:30 – 10:50	<b>SY 279</b>	THE COAGULATION NETWORK: STRUCTURE, FUNCTION AND EVOLUTION OF COMPLEXITY Karim Brohi, London, United Kingdom
10:50 – 11:10	<b>SY 280</b>	USE OF DISEASE-STATE SPECIFIC DYNAMIC MODELLING IN DESIGNING STUDIES IN SEVERE SEPSIS William L. Macias, Indianapolis, USA
11:10 – 11:30	<b>SY 281</b>	DECIPHERING INTERACTIONS AMONG ACUTE INFLAMMATION, TISSUE DAMAGE AND HEALING, USING MATHEMATICAL MODELS (A 561) Yoram Vodovotz, Pittsburgh, USA
11:30 – 11:50	<b>SY 282</b>	CROSSING LEVELS OF BIOLOGICAL ORGANIZATION: AGENT BASED TRANSLATIONAL MODELLING OF GENOMIC/PROTEOMIC DATA (A 316) Gary An, Chicago, USA
11:50 – 12:10	<b>SY 283</b>	PREDICTION MODELLING IN NEUROTRAUMA (A 317) Brahm Goldstein, Princeton, USA
12:10 – 12:30	<b>SY 284</b>	METHODOLOGICAL ISSUES IN CLINICAL TRIAL BIOSIMULATIONS Gilles Clermont, Pittsburgh, USA

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- 12:30 – 12:42    **OR 285**    INSIGHTS FROM A MATHEMATICAL MODEL OF  
ENDOTOXIN TOLERANCE & HOW RELEVANT ARE  
„IN VIVO“ AND „IN VITRO“ STUDIES FOR CLINICAL  
SEPSIS? (A 318)  
Catalin Vasilescu, Bucharest, Romania
- 12:42 – 12:48    **OP 286**    CHANGES IN BLOOD PRESSURE VOLATILITY IN A  
MURINE MODEL OF SEPSIS (A 319)  
Sergio Zanotti, Cherry Hill, USA

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## Manipulating Apoptosis for Therapeutic Gain – Translating Science into Therapy

**Moderators:** Richard S. Hotchkiss, St. Louis, USA  
Henning Walczak, Heidelberg, Germany

1:00 – 1:20	<b>SY 287</b>	INDUCTION AND INHIBITION OF APOPTOSIS AS A THERAPEUTIC PRINCIPLE Henning Walczak, Heidelberg, Germany
1:20 – 1:40	<b>SY 288</b>	THE PROMISE OF APOPTOSIS INHIBITION AND BARRIERS TO THERAPEUTIC IMPLEMENTATION Craig Coopersmith, St. Louis, USA
1:40 – 2:00	<b>SY 289</b>	TARGETS FOR THERAPEUTIC INTERVENTION IN DEATH RECEPTOR SIGNALLING (A 416) Thomas Kaufmann, Melbourne, Australia
2:00 – 2:20	<b>SY 290</b>	AN EXTRACELLULAR THERAPEUTIC FUNCTION FOR Bcl-2 Robert Winn, Seattle, USA
2:20 – 2:40	<b>SY 291</b>	NOVEL THERAPEUTIC APPROACH II: PROTEIN-TRANSDUCTION DOMAINS Richard S. Hotchkiss, St. Louis, USA
2:40 – 3:00	<b>SY 292</b>	MANIPULATING APOPTOSIS FOR THERAPEUTIC GAIN – NOVEL THERAPEUTIC APPROACH III, siRNA (A 417) Alfred Ayala, Providence, USA

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## Impact of Pharmacogenetics on Clinical Decision Making

**Moderators:** Bonny Lewis Bukaveckas, Richmond, USA  
Barbara Zehnbauer, St. Louis, USA

3:30 – 3:50	<b>SY295a</b>	EXPECTED BENEFIT OF PHARMACOGENETICS FOR PATIENT CARE Ivar Roots, Berlin, Germany
3:50 – 4:10	<b>SY 295b</b>	PHARMACOGENETICS IN THE CLINICAL LABORATORY Barbara Zehnbauer, St. Louis
4:10 – 4:30	<b>SY 293</b>	PHARMACOGENETICS DIAGNOSTIC TESTING AND FDA REVIEW Amy Brower, Sioux City, USA
4:30 – 4:50	<b>SY 294</b>	PHARMACOGENETICS OF ANESTHESIA (A 341) Kirk Hogan, Madison, USA
4:50 – 5:10	<b>SY 296a</b>	PHARMACOGENETICS OF NOCICEPTION (A 342) William R. Lariviere, Pittsburgh, USA
5:10 – 5:30	<b>SY 296b</b>	PHARMACOGENETICS OF ANALGESIC THERAPY Ulrike Stamer, Bonn, Germany
5:30 – 5:50	<b>SY 297</b>	WARFARIN SENSITIVITY AND CYP2C9 AND VKORC1 GENES (A 343) Bonny Lewis Bukaveckas, Richmond, USA

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## Apoptosis / Cell Death and Inflammation


**Moderators:** Alfred Ayala, Providence, USA  
Craig Coopersmith, St. Louis, USA

6:00 – 6:12	<b>OR 298</b>	ROLE OF LUNG EPITHELIAL CELLS IN FAS MEDIATED INFLAMMATION DURING EXTRAPULMONARY ACUTE LUNG INJURY (A 6) Mario Perl, Providence, USA
6:12 – 6:24	<b>OR 299</b>	TUMOR NECROSIS FACTOR RECEPTOR 1 (TNFR1) AND MEMBERS OF THE DEATH INDUCING SIGNALLING COMPLEX LOCALIZE TO THE MITOCHONDRIA FOLLOWING TNF TREATMENT IN RAT HEPATOCYTES (A 7) Raghuveer Vallabhaneni, Pittsburgh, USA
6:24 – 6:36	<b>OR 300</b>	APOPTOSIS IN SEPSIS IS REGULATED BY INHIBITOR OF APOPTOSIS PROTEINS (A 8) Stefan Weber, Bonn, Germany
6:36 – 6:42	<b>OP 301</b>	DISSECTING THE ROLE OF PROTEIN-GLYCAN INTERACTIONS IN NEGATIVE REGULATION OF Th1 RESPONSES (A 9) Marta A. Toscano, Buenos Aires, Argentina
6:42 – 6:48	<b>OP 302</b>	ENHANCED PHAGOCYTOSIS OF APOPTOTIC IMMUNE CELLS BY SPLENIC MARGINAL ZONE MACROPHAGES DURING POLYMICROBIAL SEPSIS (A 10) Ryan Swan, Providence, USA
6:48 – 6:54	<b>OP 303</b>	Tat-BH4 DECREASES INTESTINAL EPITHELIAL CELL DEATH AFTER SEPTIC INSULT IN VITRO (A 11) Charles Robertson, St. Louis, USA
6:54 – 7:00	<b>OP 304</b>	EPITHELIAL GUT APOPTOSIS IS INCREASED IN A MOUSE MODEL OF TROPICAL ENTEROPATHY (A 12) Stephen Bickler, La Jolla, USA

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- 7:00 – 7:06      **OP 305** THE USPA1 PROTEIN OF MORAXELLA CATARRHALIS INDUCES CEACAM-1 DEPENDENT APOPTOSIS IN ALVEOLAR EPITHELIAL CELLS (A 13)  
Hortense Slevogt, Berlin, Germany
- 7:06 – 7:12      **OP 306** INTERACTIONS OF ALVEOLAR TYPE 2 EPITHELIAL CELLS IN THE ALVEOLAR COMPARTMENT AFTER BLUNT CHEST TRAUMA (A 14)  
Daniel Heiko Seitz, Ulm, Germany



<b>Thursday</b> March 15 <sup>th</sup> , 2007	<b>Lecture Hall III</b> 12:00 pm – 2:20 pm	<b>Session 36</b> <b>SYMPOSIUM</b>	
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## **Microbial versus Endogenous Activators of the Innate Immune Response in Traumatic Inflammation: Host Receptors and Function**

**Moderators:** Jeffrey Platt, Rochester, USA  
Kenneth Rock, Worcester, USA

12:00 – 12:20	<b>SY 316</b>	<b>HYALURONAN AND SUSCEPTIBILITY TO LUNG INJURY</b> Paul W. Noble, Durham, USA
12:20 – 12:40	<b>SY 317</b>	<b>WEIGHING EXOGENOUS VERSUS ENDOGENOUS TRIGGERS OF SIRS (A 91)</b> Jeffrey Platt, Rochester, USA
12:40 – 1:00	<b>SY 318</b>	<b>REGULATION OF INFLAMMATION BY HYALURONAN (A 92)</b> Jan Simon, Leipzig, Germany
1:00 – 1:20	<b>SY 319</b>	<b>ENDOGENOUS CONTROLS OF TOLL-LIKE RECEPTOR 4 SIGNALLING (A 93)</b> Gregory Brunn, Rochester, USA
1:20 – 1:40	<b>SY 320</b>	<b>CELL DEATH AND ACUTE INFLAMMATION (A 94)</b> Kenneth Rock, Worcester, USA
1:40 – 2:00	<b>SY 321</b>	<b>NON-LPS AGONISTS OF SIRS AND MULTIPLE-ORGAN FAILURE</b> Christoph Thiemermann, London, United Kingdom
2:00 – 2:20	<b>SY 322</b>	<b>COMPLEMENT AND THE CONTROL OF SIRS AND SEPSIS</b> Peter Ward, Ann Arbor, USA

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall III</b> 2:30 pm – 4:50 pm	<b>Session 37</b> <b>SYMPOSIUM</b>	
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## Danger Signals in Trauma-Induced Inflammation

**Moderators:** Timothy R. Billiar, Pittsburgh, USA  
Michael D. Menger, Homburg, Germany

2:30 – 2:50	<b>SY 323</b>	RAGE AS A RECEPTOR FOR DANGER SIGNALS IN SHOCK Mitchell P. Fink, Pittsburgh, USA
2:50 – 3:10	<b>SY 324</b>	TOLL-LIKE RECEPTORS IN THE RECOGNITION OF DANGER SIGNALS IN SHOCK Edward Abraham, Birmingham, USA
3:10 – 3:30	<b>SY 325</b>	HMGB1-TLR4 INDUCES INFLAMMATION AND INJURY IN ISCHEMIA/REPERFUSION Allan Tsung, Pittsburgh, USA
3:30 – 3:50	<b>SY 326</b>	HEPARAN SULFATE AND THE INITIATION OF SYSTEMIC INFLAMMATION (A 22) Jeffrey Platt, Rochester, USA
3:50 – 4:10	<b>SY 327</b>	THE UP-REGULATION OF TLR4 IN HEMORRHAGIC SHOCK Ori Rotstein, Toronto, Canada
4:10 – 4:30	<b>SY 328</b>	PMN ACTIVATE TLR4-TLR2 CROSS-TALK IN HEMORRHAGIC SHOCK (A 23) Jie Fan, Sewickley, USA
4:30 – 4:50	<b>SY 329</b>	TLR4 SIGNALLING IS REQUIRED FOR THE SYSTEMIC INFLAMMATORY RESPONSE FOLLOWING FEMUR FRACTURE Timothy R. Billiar, Pittsburgh, USA

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## HMGB1: A Therapeutic Target or Therapeutic Agent

**Moderators:** Mitchell P. Fink, Pittsburgh, USA  
Haichao Wang, Manhasset, USA

- |             |               |   |
|-------------|---------------|---|
| 5:00 – 5:20 | <b>SY 330</b> | HMGB1 AND HEMORRHAGIC SHOCK<br>Timothy R. Billiar, Pittsburgh, USA                                  |
| 5:20 – 5:40 | <b>SY 331</b> | PHARMACOLOGICAL AGENTS TO BLOCK HMGB1<br>SECRETION<br>Mitchell P. Fink, Pittsburgh, USA             |
| 5:40 – 6:00 | <b>SY 332</b> | ROLE OF HMGB1 IN APOPTOSIS-MEDIATED<br>SEPSIS LETHALITY (A 46)<br>Huan Yang, Manhasset, USA         |
| 6:00 – 6:20 | <b>SY 333</b> | ROLE OF HMGB1 IN AUTOIMMUNE AND<br>INFLAMMATORY DISEASES (A 47)<br>Anthony Coyle, Gaithersburg, USA |
| 6:20 – 6:40 | <b>SY 334</b> | SECRETION OF HMGB1 BY EPITHELIAL CELLS<br>Mitchell P. Fink, Pittsburgh, USA                         |
| 6:40 – 7:00 | <b>SY 335</b> | SECRETION OF HMGB1 BY MACROPHAGES<br>Haichao Wang, Manhasset, USA                                   |
| 7:00 – 7:20 | <b>SY 336</b> | HMGB1 AND LUNG INJURY<br>Edward Abraham, Birmingham, USA  |
| 7:20 – 7:40 | <b>SY 337</b> | HMGB1-MEDIATED PRECONDITIONING<br>Allan Tsung, Pittsburgh, USA                                      |



**Supported with an Unrestricted Educational Grant  
of MedImmune**

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall IV</b> 8:30 am – 10:30 am	<b>Session 39</b> <b>SYMPOSIUM</b>	
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## Inflammation in Atherosclerosis


**Moderators:** Peter Boekstegers, Munich, Germany  
Harald Loppnow, Halle/Saale, Germany

8:30 – 8:50	<b>SY 338</b>	INFLAMMATION AS A FEATURE OF ATHEROSCLEROSIS Francois Mach, Geneva, Switzerland
8:50 – 9:10	<b>SY 339</b>	IMMUNE PATHOGENIC AND REGULATORY PATHWAYS IN ATHEROSCLEROSIS (A 198) Alain Tedgui, Paris, France
9:10 – 9:30	<b>SY 340</b>	TRANSMEMBRANE CHEMOKINES AND DISINTERGRIN-LIKE METALLOPROTEINASES IN VASCULAR INFLAMMATION Andreas Ludwig, Aachen, Germany
9:30 – 9:50	<b>SY 341</b>	PLATELETS IN ATHEROGENESIS (A 196) Meinrad Gawaz, Tuebingen, Germany
9:50 – 10:10	<b>SY 343</b>	CHEMOKINES AND ATHEROSCLEROSIS Christian Weber, Aachen, Germany
10:10 – 10:30	<b>SY 344</b>	IMAGING OF INFLAMMATION IN ATHEROSCLEROTIC PLAQUES (A 197) Peter Weissberg, London, United Kingdom



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## Role of Inflammation for Neurodegeneration and Neuroregeneration

**Moderators:** Christian Haass, Munich, Germany  
Hans-Walter Pfister, Munich, Germany

- 11:00 – 11:20 **SY 346a** INTRODUCTION AND OVERVIEW  
Christian Haass, Munich, Germany
- 11:20 – 11:40 **SY 346b** NEURODEGENERATIVE DISORDERS  
Patrick L. McGeer, Vancouver, Canada
- 11:40 – 12:00 **SY 347** INFLAMMATION AND IMMUNITY IN STROKE  
(A 279)  
Ulrich Dirnagl, Berlin, Germany
- 12:00 – 12:20 **SY 348** ROLE OF INFLAMMATION FOR  
NEURODEGENERATION AND  
NEUROREGENERATION – CNS TRAUMA (A 280)  
Philip Stahel, Denver, USA
- 12:20 – 12:40 **SY 349** MENINGITIS  
Uwe Koedel, Munich, Germany
- 12:40 – 1:00 **SY 351** MULTIPLE SCLEROSIS  
Alexander Fluegel, Martinsried, Germany
- 1:00 – 1:20 **SY 352** IMAGING  
Andreas Bauer, Juelich, Germany




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## Statins in Inflammation, Trauma and Sepsis

**Moderators:** Adrian Barbul, Baltimore, USA  
Antonio De Maio, La Jolla, USA

1:45 – 2:05	<b>SY 353</b>	CD14 EXPRESSION IS INCREASED AFTER TREATMENT WITH STATINS, ENHANCING THE RESPONSE TO LPS (A 287) Antonio De Maio, La Jolla, USA
2:05 – 2:25	<b>SY 354</b>	STATINS AND OUTCOMES FOLLOWING MAJOR TRAUMATIC INJURY David T. Efron, Baltimore, USA
2:25 – 2:45	<b>SY 355</b>	STATINS, INFLAMMATION AND SEPSIS Yaniv Almog, Beer-Sheva, Israel
2:45 – 3:05	<b>SY 356</b>	STATINS AND SEPSIS: A POPULATION BASED APPROACH TO ASSESSING OUTCOMES Reimar W. Thomsen, Aalborg, Denmark

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall IV</b> 3:30 pm – 7:00 pm	<b>Session 42</b> <b>SYMP/FREE-CO</b>	
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## Mitochondria, NO, Inflammation and Hypoxia – An Interdisciplinary Approach

**Moderators:** Erich Gnaiger, Innsbruck, Austria  
Andrey Kozlov, Vienna, Austria

- 3:30 – 3:50     **SY 357** THE MITOCHONDRION IN SHOCK AND SEPSIS  
Mervyn Singer, London, United Kingdom
- 3:50 – 4:10     **SY 358** NITRIC OXIDE, HYDROGEN PEROXIDE AND  
PEROXYNITRITE IN INFLAMMATION (A 224)  
Guy Brown, Cambridge, United Kingdom
- 4:10 – 4:30     **SY 359** NITROSATIVE STRESS OF CYTOCHROME  
OXIDASE IN ATAXIA TELANGIECTASIA (A 225)  
Paolo Sarti, Roma, Italy
- 4:30 – 4:50     **SY 360** NITRITE AS A SOURCE OF NO IN MITOCHONDRIA  
– THE RELEVANCE FOR PERFUSION OF  
ISCHEMIC TISSUE (A 226)  
Andrey Kozlov, Vienna, Austria
- 4:50 – 5:10     **SY 361** HYPOXIA, NITRIC OXIDE AND MITOCHONDRIAL  
RESPIRATORY CONTROL BY CYTOCHROME C  
OXIDASE (A 227)  
Erich Gnaiger, Innsbruck, Austria
- 5:10 – 5:30     **SY 362** THE ROLE OF CYTOCHROME C OXIDASE  
ISOFORMS IN MITOCHONDRIAL DYSFUNCTION  
AFTER HYPOXIA AND REOXYGENATION IN BRAIN  
AND HEART (A 228)  
Susanne Arnold, Aachen, Germany
- 5:30 – 5:50     **SY 363** MITOCHONDRIAL INHIBITION AND PROTECTION  
OF THE ISCHEMIC HEART (A 229)  
Charles Hoppel, Cleveland, USA
- 5:50 – 6:10     **SY 364** HYPOXIA-INDUCED METHANE GENERATION –  
MECHANISM AND FUNCTION (A 230)  
Mihály Boros, Szeged, Hungary
- 6:10 – 6:22     **OR 365** nNOS GOES NUCLEAR: nNOS- AND NADPH  
OXIDASE-DERIVED REACTIVE  
OXYGEN/NITROGEN SPECIES PROMOTE  
OXIDATIVE NUCLEAR DAMAGE IN ALVEOLAR  
EPITHELIAL CELLS (A 231)  
Rhykka Connelly, Galveston, USA

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6:22 – 6:34	<b>OR 366</b>	BLUE LIGHT FACILITATES RECOVERY OF MITOCHONDRIAL RESPIRATION INHIBITED BY NITRIC OXIDE – RELEVANCE FOR ENDOTOXIC SHOCK (A 232) Peter Dungal, Vienna, Austria
6:34 – 6:46	<b>OP 367</b>	UNDERSTANDING THE SIGNIFICANCE OF INFLAMMATION, MITOCHONDRIAL DYSFUNCTION, AND OXIDATIVE STRESS IN INFECTIOUS CHAGASIC CARDIOMYOPATHY (A 233) Nisha Jain Garg, Galveston, USA
6:46 – 6:58	<b>OP 368</b>	FREE IRON DERIVED FROM HO-ACTIVITY IS A POSSIBLE SOURCE OF MITOCHONDRIAL DYSFUNCTION IN CRITICAL CARE DISEASES (A 234) Catharina Duvigneau, Vienna, Austria

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## Cellular Mechanisms in Airway Inflammation

**Moderators:** Herbert P. Wiedemann, Cleveland, USA  
Loems Ziegler-Heitbrock, Leicester,  
United Kingdom

- 8:00 – 8:12    **OR 369** SURFACTANT TREATMENT – NEW INTERPRETATIONS OF EVIDENCE (A 156)  
Wolfgang Strohmaier, Vienna, Austria
- 8:12 – 8:24    **OR 370** LUNG INFLAMMATION AND INFLAMMATORY GENE EXPRESSION PROFILING UPON BRONCHIAL INSTILLATION OF LIPOPOLYSACCHARIDE AND LIPOTEICHOIC ACID IN HUMANS (A 157)  
Jacobien Hoogerwerf, Amsterdam, Netherlands
- 8:24 – 8:36    **OR 371** STREPTOCOCCAL M1 PROTEIN CAUSES SEVERE LUNG DAMAGE VIA ACTIVATION OF AN INNATE IMMUNE CASCADE – A CENTRAL ROLE FOR NEUTROPHIL GRANULE PROTEINS (A 158)  
Oliver Soehnlein, Stockholm, Sweden
- 8:36 – 8:48    **OR 372** BLOCKAGE OF THE BETA-ADRENERGIC RECEPTOR AUGMENTS LIPOPOLYSACCHARIDE-INDUCED LUNG INFLAMMATION IN MICE (A 159)  
Ida Giebelen, Amsterdam, Netherlands
- 8:48 – 9:00    **OR 373** UROKINASE PLASMINOGEN ACTIVATOR RECEPTOR DEFICIENT MICE SHOW REDUCED LUNG INFLAMMATION DURING HYPEROXIA (A 160)  
Marieke AD van Zoelen, Amsterdam, Netherlands
- 9:00 – 9:12    **OR 374** PNEUMONITIS ASSOCIATED WITH SIROLIMUS – CLINICAL CHARACTERISTICS, RISK FACTORS AND OUTCOME (A 161)  
Peter Schenker, Bochum, Germany
- 9:12 – 9:18    **OP 375** COAGULATION FACTOR XIII IS AN IMPORTANT MEDIATOR IN THE COAGULATING PLASMA INDUCED IL-8 PRODUCTION BY HUMAN LUNG EPITHELIAL CELLS (A 162)  
Marcel Schouten, Amsterdam, Netherlands

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9:18 – 9:24	<b>OP 376</b>	<b>POLYMORPHISMS IN THE IL-8 AND IL-6 GENES ARE ASSOCIATED WITH PNEUMONIA IN BURN PATIENTS (A 163)</b> Fernando Rivera, Dallas, Texas, USA
9:24 – 9:30	<b>OP 377</b>	<b>ROLE OF NEURONAL NITRIC OXIDE SYNTHASE IN OVINE LUNG INJURY (A 164)</b> Fiona Saunders, Galveston, USA
9:30 – 9:36	<b>OP 378</b>	<b>MECHANICAL VENTILATION ACTIVATES RENAL ENDOTHELIAL CELLS IN A RAT MODEL OF ACUTE RESPIRATORY DISTRESS SYNDROME (A 165)</b> Jan Willem Kuiper, Amsterdam, Netherlands
9:36 – 9:42	<b>OP 379</b>	<b>THE MURINE PULMONARY ENDOTHELIAL CELL'S RESPONSE TO PRO-INFLAMMATORY STIMULI ASSOCIATED WITH TRAUMATIC SHOCK (A 166)</b> Joanne Lomas-Neira, Providence, USA

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## Regulation of Lung Inflammation

**Moderators:** James Keith, Jr., Cambridge, USA  
Peter Ward, Ann Arbor, USA


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|---------------|---------------|--|
| 10:00 – 10:20 | <b>SY 380</b> | ROLE OF STAT3 IN THE LUNG INFLAMMATORY RESPONSE (A 274)<br>Peter Ward, Ann Arbor, USA                  |
| 10:20 – 10:40 | <b>SY 381</b> | ROLE OF MACROPHAGES IN LUNG INFLAMMATION (A 275)<br>Loems Ziegler-Heitbrock, Leicester, United Kingdom |
| 10:40 – 11:00 | <b>SY 383</b> | REGULATION OF LUNG INFLAMMATION BY NUCLEAR FACTOR kappa B (A 277)<br>John W. Christman, Chicago, USA   |
| 11:00 – 11:20 | <b>SY 384</b> | CHOLINERGIC REGULATION OF INFLAMMATION<br>Kevin J. Tracey, Manhasset, USA                              |
| 11:20 – 11:40 | <b>SY 385</b> | ADRENERGIC REGULATION OF LUNG INFLAMMATION (A 278)<br>Michael Flierl, Ann Arbor, USA                   |
| 11:40 – 12:00 | <b>SY 386</b> | IMPACT OF MECHANICAL VENTILATION ON LUNG INFLAMMATION<br>Burkhard Lachmann, Rotterdam, Netherlands     |

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## Clinical and Experimental Updates in ARDS

**Moderators:** Burkhard Lachmann, Rotterdam, Netherlands  
Reuven Rabinovici, Boston, USA

12:00 – 12:20	<b>SY 387</b>	MOLECULAR DIAGNOSTICS IN ACUTE LUNG INJURY (A 167) J Perren Cobb, St. Louis, USA
12:20 – 12:40	<b>SY 388</b>	EDITING OF pre-mRNA – A PATHOGENIC ROLE IN ARDS? Reuven Rabinovici, Boston, USA
12:40 – 1:00	<b>SY 389</b>	IS THERE GENETIC SUSCEPTIBILITY FOR ARDS? David Christiani, Boston, USA
1:00 – 1:20	<b>SY 390</b>	THE POORLY- AND NON-AERATED LUNG COMPARTMENTS IN ARDS – HOW TO OPTIMIZE VENTILATION? Burkhard Lachmann, Rotterdam, Netherlands
1:20 – 1:40	<b>SY 391</b>	FLUID MANAGEMENT IN ARDS: HOW MUCH IS GOOD? Herbert P. Wiedemann, Cleveland, USA
1:40 – 2:00	<b>SY 392</b>	BENEFICIAL EFFECTS OF ER-b AGONISM IN EXPERIMENTAL LUNG INJURY James Keith, Jr., Cambridge, USA

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## Spectrum of Clinical Syndromes due to Dysregulation of IL-1beta Release

**Moderators:** Charles Dinarello, Denver, USA  
Jos W. M. van der Meer, Nijmegen, Netherlands

2:00 – 2:20	<b>SY 393</b>	THE SPECTRUM OF CLINICAL SYNDROMES DUE TO DYSREGULATION OF IL-1beta RELEASE (A 283) Charles Dinarello, Denver, USA
2:20 – 2:40	<b>SY 394</b>	GENETIC BASIS OF IL-1 MEDIATED FEVER SYNDROMES (A 284) Hal Hoffman, La Jolla, USA
2:40 – 3:00	<b>SY 395</b>	HYPER IgD-SYNDROME Jos W. M. van der Meer, Nijmegen, Netherlands
3:00 – 3:20	<b>SY 396</b>	NEONATAL ONSET MULTISYSTEM INFLAMMATORY DISEASE Raphaela Goldbach-Mansky, Bethesda, USA
3:20 – 3:40	<b>SY 397</b>	MUCKLE-WELLS-SYNDROME Philip N. Hawkins, London, United Kingdom
3:40 – 4:00	<b>SY 399</b>	STILL'S DISEASE Virginia Pascual, Dallas, USA
4:00 – 4:12	<b>OR 400</b>	PATTERNS OF IL-1BETA SYNTHESIS AND SECRETION AND RESPONSE TO ANTI-IL-1 TREATMENT IN PATIENTS AFFECTED BY SYSTEMIC ONSET JIA (SoJIA) (A 285) Sonia Carta, Genova, Italy
4:12 – 4:24	<b>OR 401</b>	PATTERN OF INTERLEUKIN-1BETA SECRETION IN RESPONSE TO LPS AND ATP IN PATIENTS WITH CIAS-1 MUTATIONS BEFORE AND AFTER INTERLEUKIN-1 BLOCKADE (A 286) Sara Tassi, Genova, Italy

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## Markers of Inflammation


**Moderators:** Michael Bauer, Jena, Germany  
Edwin A. Deitch, Newark, USA

4:30 – 4:42	<b>OR 402</b>	DETECTION OF MYELOPEROXIDASE-CAERULOPLASMIN COMPLEX IN VITRO: IMPACT ON REDOX IMBALANCE (A 77) Niall MacCallum, London, United Kingdom
4:42 – 4:54	<b>OR 403</b>	DECREASE OF ADAMTS13 ACTIVITY IS A COMMON FEATURE OF THE INFLAMMATORY RESPONSE (A 78) Ralf A. Claus, Jena, Germany
4:54 – 5:06	<b>OR 404</b>	THE USE OF PROTEIN S-100b AS SCREENING FACTOR IN PEDIATRIC HEAD TRAUMA PATIENTS (A 79) Annelie-Martina Weinberg, Graz, Austria
5:06 – 5:18	<b>OR 405</b>	ADMISSION SERUM PROCALCITONIN AND IL-6 LEVELS, BUT NOT SERUM LACTATE OR TIME OF LACTATE CLEARANCE CORRELATE WITH MAJOR INFECTION IN SEVERELY TRAUMATIZED PATIENTS (A 80) Matthias Turina, Zuerich, Switzerland
5:18 – 5:30	<b>OR 406</b>	PLASMA NT-proCNP LEVELS DIFFER IN MULTIPLY TRAUMATIZED PATIENTS WITH OR WITHOUT SEPTIC COMPLICATIONS (A 81) Soheyl Bahrami, Vienna, Austria
5:30 – 5:42	<b>OR 407</b>	NGAL AS A MARKER FOR RENAL INJURY IN SEPSIS (A 82) Kristian Bangert, Gentofte, Denmark
5:42 – 5:54	<b>OR 408</b>	POLYCYTHEMIA RUBRA Vera-1 mRNA EXPRESSION DIFFERENTIATES SEPSIS AND NOT SEVERITY OF ILLNESS (A 83) Steven Johnson, Baltimore, USA
5:54 – 6:00	<b>OP 409</b>	EVALUATION OF AN ASSAY TO DETERMINE NF-kB ACTIVATION CAPACITY DURING CRITICAL DISEASES (A 84) Florian Wagner, Ulm, Germany

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6:00 – 6:06	<b>OP 410</b>	<b>ELEVATED SERUM-PROCALCITONIN MEASURED BY THE KRYPTOR-ASSAY INDICATES SEVERE ABDOMINAL INJURY IN MULTIPLE TRAUMATIZED PATIENTS (A 85)</b> Sebastian Wutzler, Frankfurt, Germany
6:06 – 6:12	<b>OP 411</b>	<b>SECRETION OF N-TERMINAL-PRO BRAIN NATRIURETIC PEPTIDE IN PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY (A 86)</b> Chlodwig Kirchhoff, Munich, Germany
6:12 – 6:18	<b>OP 412</b>	<b>ELIMINATION OF HEAD TRAUMA SERUM MARKER S-100 – A MULTICENTER TRIAL ON 830 PATIENTS (A 87)</b> Peter Biberthaler, Munich, Germany
6:18 – 6:24	<b>OP 413</b>	<b>INFLAMMATORY INDICATORS IN THE EVOLUTION OF ACUTE MYOCARDIAL INFARCTION (A 88)</b> Patrícia Napoleão, Lisbon, Portugal
6:24 – 6:30	<b>OP 414</b>	<b>NOSOCOMIAL INFECTIONS AFTER SEPTIC SHOCK – RELATIONSHIP WITH DECREASED MONOCYTE HLA-DR EXPRESSION (A 89)</b> Alain Lepape, Pierre Benite, France
6:30 – 6:36	<b>OP 415</b>	<b>THE NEURAMINIDASE ACTIVITY INCREASES RAPIDLY IN SEPTIC PATIENTS (A 90)</b> Michael Piagnerelli, Brussels, Belgium

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VI</b> 8:30 am – 11:15 am	<b>Session 48</b> <b>SYMPOSIUM</b>	
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## Controversies in Antimicrobial Therapy in the ICU: Pro-Con Debates

**Moderators:** Alan Cross, Baltimore, USA  
Steven Opal, Pawtucket, USA

<b>8:30 – 9:00</b>	<p>THE USE OF ANTIBIOTICS FOR FEVER IN THE ICU – HIT THEM HARD AND HIT THEM EARLY</p> <p><b>SY 416 PRO</b> – Lifesaving Strategy – Evert De Jonge, Amsterdam, Netherlands</p> <p><b>SY 417 CON</b> – Wasteful and Unwise Strategy – Philip S Barie, New York, USA</p>
<b>9:00 – 9:30</b>	<p>DEAD BACTERIA DO NOT DEVELOP ANTIBIOTIC RESISTANCE – THE CASE FOR TREATING COLONIZED PATIENTS TO REDUCE ANTIBIOTIC RESISTANCE DEVELOPMENT (A 385)</p> <p><b>SY 418 PRO</b> – Steven Opal, Pawtucket, USA</p> <p><b>SY 419 CON</b> – John Marshall, Toronto, Canada</p>
<b>9:30 – 10:00</b>	<p>ANTIMICROBIAL COATED CATHETERS PREVENT INFECTIONS AND SAVE LIVES IN THE ICU</p> <p><b>SY 420 PRO</b> – Tom Elliott, Birmingham, United Kingdom</p> <p><b>SY 421 CON</b> – Thomas Glueck, Trostberg, Germany</p>

<b>Thursday</b> <b>March 15<sup>th</sup>, 2007</b>	<b>Lecture Hall VI</b> <b>8:30 am – 11:15 am</b>	<b>Session 48</b> <b>SYMPOSIUM</b>	
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**10:00 – 10:30**                      **FUNGAL INFECTION IN THE ICU IS DIFFICULT TO DIAGNOSE AND REMAINS HIGHLY LETHAL – EMPIRIC ANTIFUNGAL THERAPY IS APPROPRIATE IN THE CRITICALLY ILL PATIENT**

**SY 422 PRO** – Joseph S. Solomkin, Cincinnati, USA

**SY 423 CON** – Oliver Cornely, Cologne, Germany

**10:30 – 11:00**                      **WE CAN USE BIOMARKERS TO GUIDE CARE IN CAP (A 388)**

**SY 424 PRO** – Jean-Louis Vincent, Brussels, Belgium


**SY 425 CON** – Derek Angus, Pittsburgh, USA



**Supported with an Unrestricted Educational Grant of Pfizer**



**Under the Auspices of the International Sepsis Forum (ISF)**

<b>Thursday</b> March 15 <sup>th</sup> , 2007	<b>Lecture Hall VI</b> 11:30 am – 1:50 pm	<b>Session 49</b> <b>SYMPOSIUM</b>	
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## Hemodynamic Management in Sepsis and Shock

**Moderators:** Konrad Reinhart, Jena, Germany  
Jean-Louis Vincent, Brussels, Belgium

11:30 – 11:50	<b>SY 426</b>	<b>THE BURDEN OF SEPSIS: EPIDEMIOLOGIC AND ECONOMIC ASPECTS</b> Derek Angus, Pittsburgh, USA
11:50 – 12:10	<b>SY 427</b>	<b>MYOCARDIAL DEPRESSION IN SEPTIC SHOCK</b> Joseph Parrillo, Camden, USA
12:10 – 12:30	<b>SY 428</b>	<b>THE IMPORTANCE OF HEMODYNAMIC MONITORING AS PART OF THE SURVIVING SEPSIS GUIDELINES (A 396)</b> Phillip Dellinger, Camden, USA
12:30 – 12:50	<b>SY 429</b>	<b>ScvO<sub>2</sub> – INDICATOR OF SYSTEMIC OXYGEN BALANCE</b> Konrad Reinhart, Jena, Germany
12:50 – 1:10	<b>SY 430</b>	<b>PRELOAD, VOLUME RESPONSIVENESS, EXTRAVASCULAR LUNG WATER – TOOLS FOR CARDIAC OUTPUT OPTIMIZATION (A 397)</b> Azriel Perel, Tel Aviv, Israel
1:10 – 1:30	<b>SY 431</b>	<b>ABDOMINAL PERFUSION PRESSURE: THE NEGLECTED MECHANISM</b> Manu Malbrain, Antwerp, Belgium
1:30 – 1:50	<b>SY 432</b>	<b>TRACKING THE WAY OF THE OXYGEN TO THE CELLS</b> Michael Bauer, Jena, Germany



**Supported and organized with an Educational Grant of Pulsion Medical Systems**

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VI</b> 2:00 pm – 4:20 pm	<b>Session 50</b> <b>SYMPOSIUM</b>	
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## Surviving Sepsis Campaign: Making a Difference in Patient Outcome

**Moderators:** Phillip Dellinger, Camden, USA  
Mitchel M. Levy, Providence, USA

2:00 – 2:20	<b>SY 433</b>	INTERNATIONAL GUIDELINES FOR THE MANAGEMENT OF SEVERE SEPSIS AND SEPTIC SHOCK: THE FIRST REVISION (A 432) Phillip Dellinger, Camden, USA
2:20 – 2:40	<b>SY 434</b>	EVIDENCE BASE SUPPORT FOR THE SEPSIS BUNDLES Sergio Zanotti, Cherry Hill, USA
2:40 – 3:00	<b>SY 435</b>	IMPLEMENTATION OF THE SCC PERFORMANCE IMPROVEMENT PROGRAM Mitchel M. Levy, Providence, USA
3:00 – 3:20	<b>SY 436</b>	THE TOUGHEST PART OF SCC BUNDLE IMPLEMENTATION: MAKING EGDT WORK Stephen Trzeciak, Camden, USA
3:20 – 3:40	<b>SY 437</b>	SCC: THE GERMAN EXPERIENCE Herwig Gerlach, Berlin, Germany
3:40 – 4:00	<b>SY 438</b>	INTEGRATING BEDSIDE MONITORING EQUIPMENT INTO SSC PERFORMANCE IMPROVEMENT Mitchel M. Levy, Providence, USA
4:00 – 4:20	<b>SY 439</b>	THE SSC IN THE PERCEPTION OF THE MEDICAL COMMUNITY Karl Werdan, Halle/Saale, Germany



Supported with an Unrestricted Educational Grant of Biotest



Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VI</b> 4:30 pm – 7:30 pm	<b>Session 51</b> <b>SYMPOSIUM</b>	
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## Transplantation and Infection

**Moderators:** Herbert Hof, Mannheim, Germany  
Jeffrey Platt, Rochester, USA

4:30 – 4:50	<b>SY 440</b>	<b>INFECTION: RISKS AND CONSIDERATIONS BEFORE AND AFTER SOLID ORGAN TRANSPLANTATION</b> Michael Winkler, Hannover, Germany
4:50 – 5:10	<b>SY 441</b>	<b>INFECTIONS OF PARTICULAR IMPORTANCE IN LUNG TRANSPLANT RECIPIENTS (A 433)</b> Jens Gottlieb, Hannover, Germany
5:10 – 5:30	<b>SY 442</b>	<b>VIRAL TRANSMISSION BY ORGAN TRANSPLANTATION (A 434)</b> Pascal Meylan, Lausanne, Switzerland
5:30 – 5:50	<b>SY 443</b>	<b>BACTERIAL INFECTIONS IN SOLID ORGAN TRANSPLANT RECIPIENTS</b> Lorenz Frey, Munich, Germany
5:50 – 6:10	<b>SY 444</b>	<b>FUNGAL INFECTIONS IN SOLID AND NON-SOLID ORGAN TRANSPLANT RECIPIENTS (A 435)</b> Herbert Hof, Mannheim, Germany
6:10 – 6:30	<b>SY 445</b>	<b>EPIDEMIOLOGY OF INVASIVE FUNGAL INFECTIONS IN SOT PATIENTS – HOW TO LEARN PREVENTION OF IFIs FROM NEW STANDARDS IN HIGH RISK ONCOLOGY PATIENTS</b> Oliver Cornely, Cologne, Germany
6:30 – 6:50	<b>SY 446</b>	<b>SPECTRUM OF SERIOUS INFECTIONS IN BONE MARROW RECIPIENTS</b> Hans-Jochem Kolb, Munich, Germany
6:50 – 7:10	<b>SY 447</b>	<b>PREVENTION OF CMV DISEASE: PROPHYLAXIS VERSUS PRE-EMPTIVE THERAPY</b> Michael Burg, Hannover-Muenden, Germany

  
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Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VII</b> 8:30 am – 10:50 am	<b>Session 52</b> <b>SYMPOSIUM</b>	
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## Inflammation and Coagulation

**Moderators:** Marcel Levi, Amsterdam, Netherlands  
Christian Wiedermann, Bozen, Italy


- 8:30 – 8:50     **SY 448** THE INTERPLAY BETWEEN INFLAMMATION AND COAGULATION IN MODELS OF INFECTIOUS DISEASE  
Tom Van der Poll, Amsterdam, Netherlands
- 8:50 – 9:10     **SY 449** ENDOTHELIAL CELLS AT THE CROSSROAD OF INFLAMMATION AND COAGULATION  
William C. Aird, Boston, USA
- 9:10 – 9:30     **SY 450** METABOLIC MODULATION OF VASCULAR FUNCTION WITH CONSEQUENCES FOR COAGULATION AND INFLAMMATION (A 187)  
Marcel Levi, Amsterdam, Netherlands
- 9:30 – 9:50     **SY 451** EFFECT OF STRICT GLUCOSE REGULATION ON CLINICAL OUTCOME, INFLAMMATION AND DOWNSTREAM PATHWAYS (A 188)  
Jan Wernerman, Stockholm, Sweden
- 9:50 – 10:10    **SY 452** EFFECTS OF ANTICOAGULANT STRATEGIES ON ACTIVATION OF INFLAMMATION AND COAGULATION  
Christian Wiedermann, Bozen, Italy
- 10:10 – 10:30   **SY 453** EFFECTS OF ANTICOAGULANTS ON LEUKOCYTE-ENDOTHELIAL CELL INTERACTION AND CAPILLARY PERFUSION  
Johannes Hoffmann, Munich, Germany
- 10:30 – 10:50   **SY 454** CLINICAL IMPLICATIONS OF THE BI-DIRECTIONAL RELATIONSHIP BETWEEN COAGULATION AND INFLAMMATION (A 189)  
Steven Opal, Pawtucket, USA

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VII</b> 11:00 am – 1:20 pm	<b>Session 53</b> <b>SYMPOSIUM</b>	
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## Novel Therapeutic Approaches for Shock and Organ Injury

**Moderators:** Mitchell P. Fink, Pittsburgh, USA  
Christoph Thiemeermann, London,  
United Kingdom

11:00 – 11:20	<b>SY 455</b>	<b>INHIBITORS OF GLYCOGEN-SYNTHASE KINASE 3beta (A 419)</b> Christoph Thiemeermann, London, United Kingdom
11:20 – 11:40	<b>SY 456</b>	<b>ETHYLPYRUVATE</b> Mitchell P. Fink, Pittsburgh, USA
11:40 – 12:00	<b>SY 457</b>	<b>HMGB1</b> Haichao Wang, Manhasset, USA
12:00 – 12:20	<b>SY 458</b>	<b>ERYTHROPOIETIN</b> Magdi Yaqoob, London, United Kingdom
12:20 – 12:40	<b>SY 459</b>	<b>THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY</b> Kevin J. Tracey, Manhasset, USA
12:40 – 1:00	<b>SY 460</b>	<b>17<math>\beta</math>-ESTRADIOL FOR THE TREATMENT OF TRAUMA-HEMORRHAGE-INDUCED DEPRESSION OF CARDIOVASCULAR AND IMMUNE RESPONSES (A 420)</b> Irshad Chaudry, Birmingham, USA
1:00 – 1:20	<b>SY 461</b>	<b>HYDROGEN SULFIDE IN DISEASE (A 421)</b> Ahila Sivarajah, London, United Kingdom

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VII</b> 1:30 pm – 4:30 pm	<b>Session 54</b> <b>SYMPOSIUM</b>	
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## Mucosal Immunity in Critical Illness

**Moderators:** Alan Cross, Baltimore, USA  
Steven Opal, Pawtucket, USA

- 1:30 – 1:50     **SY 462** INNATE IMMUNITY AT THE MUCOSAL SURFACE IN THE CRITICAL ILLNESS  
Mitchell P. Fink, Pittsburgh, USA
- 1:50 – 2:10     **SY 463** HUMORAL AND CELLULAR MUCOSAL IMMUNE RESPONSES IN CRITICAL ILLNESS (A 248)  
Alfred Ayala, Providence, USA
- 2:10 – 2:30     **SY 464** EFFECTS OF FEVER AND HEAT SHOCK ON EPITHELIAL CELL FUNCTIONS AND SURVIVAL IN ACUTE LUNG INJURY (A 249)  
Jeffrey Hasday, Baltimore, USA
- 2:30 – 2:50     **SY 465** CARBON MONOXIDE AS AN ENDOGENOUS MUCOSAL CYTOPROTECTIVE FACTOR  
Augustine M. K. Choi, Pittsburgh, USA
- 2:50 – 3:10     **SY 466** IS IT POSSIBLE TO PRESERVE AND PROTECT THE MUCOSA IN CRITICAL ILLNESS?  
Craig Coopersmith, St. Louis, USA
- 3:10 – 3:30     **SY 467** COMMUNICATION BETWEEN TLR4 AND TLR9 REGULATES INTESTINAL MUCOSAL INJURY RESPONSE  
David J. Hackam, Pittsburgh, USA
- 3:30 – 3:50     **SY 468** THE ROLE OF THE UNSTIRRED MUCOUS LAYER IN THE MAINTENANCE OF MUCOSAL INTEGRITY AND MICROBIAL DEFENSES  
Edwin A. Deitch, Newark, USA
- 3:50 – 4:10     **SY 469** IS MUCOSAL IMMUNIZATION POSSIBLE IN CRITICALLY ILL PATIENTS?  
Alan Cross, Baltimore, USA
- 4:10 – 4:30     **SY 470** COMMUNICATION BETWEEN GUT BACTERIA AND THE MUCOSAL EPITHELIUM IN HEALTH AND DISEASE  
John Alverdy, Chicago, USA

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VII</b> 4:30 pm – 6:10 pm	<b>Session 55</b> <b>FREE-CO</b>	
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## TLR Signalling Pathways I


**Moderators:** Sankar Ghosh, New Haven, USA  
David J. Hackam, Pittsburgh, USA

4:30 – 4:42	<b>OR 471</b>	TOLL-LIKE RECEPTORS IN SEPSIS: TLR2 IMPAIRS HOST DEFENSE IN GRAM-NEGATIVE SEPSIS CAUSED BY BURGHOLDERIA PSEUDOMALLEI (A 106) Willem Joost Wiersinga, Amsterdam, Netherlands
4:42 – 4:54	<b>OR 472</b>	MRP8 AND MRP14 ARE NOVEL ENDOGENOUS LIGANDS OF TOLL-LIKE RECEPTOR 4 AND PROMOTE LETHAL ENDOTOXIN-INDUCED SHOCK (A 107) Thomas Vogl, Muenster, Germany
4:54 – 5:06	<b>OR 473</b>	HIGH MOBILITY GROUP BOX 1 (HMGB1) INDUCES TOLL-LIKE RECEPTOR 4 (TLR4) CLUSTERING WITHIN THE LIPID RAFT IN MACROPHAGES (A 108) Kevin Mollen, Pittsburgh, USA
5:06 – 5:18	<b>OR 474</b>	OxLDL DIFFERENTIALLY INFLUENCES TOLL-LIKE RECEPTORS 2 AND 4 (A 109) Philipp Lepper, Bern, Switzerland
5:18 – 5:30	<b>OR 475</b>	TOLL-LIKE RECEPTOR-4 INITIATES THE INNATE IMMUNE RESPONSE OF THE KIDNEY TO RENAL ISCHEMIA-REPERFUSION INJURY (A 110) Wilco Pulskens, Amsterdam, Netherlands
5:30 – 5:42	<b>OR 476</b>	ROLE OF TOLL-LIKE RECEPTOR 9 IN IMMUNE-ADRENAL RESPONSE TO CPG OLIGODEOXYNUCLEOTIDES (A 111) Kai Zacharowski, Bristol, United Kingdom
5:42 – 5:48	<b>OP 477</b>	PHOSPHOINOSITIDE 3-KINASE INHIBITION NEGATIVELY REGULATES BOTH TLR2- AND TLR4-MEDIATED PROINFLAMMATORY RESPONSES IN MURINE PERITONEAL MACROPHAGES (A 112) Edward McSwiney, Cork City, Ireland

Greeting Messages  
Societies and Boards  
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Speakers and Moderators  
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<b>Thursday</b> <b>March 15<sup>th</sup>, 2007</b>	<b>Lecture Hall VII</b> <b>4:30 pm – 6:10 pm</b>	<b>Session 55</b> <b>FREE-CO</b>	
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- 5:48 – 5:54      **OP 478** MORAXELLA CATARRHALIS IS INTERNALIZED IN RESPIRATORY EPITHELIAL CELLS BY A TRIGGER-LIKE MECHANISM AND INITIATES A TLR2- AND PARTLY NOD1-DEPENDENT INFLAMMATORY IMMUNE RESPONSE (A 113)  
Hortense Slevogt, Berlin, Germany
- 5:54 – 6:00      **OP 479** TLR2 POLYMORPHISM Arg753Gln IMPAIRS CYTOKINE RESPONSE AGAINST CANDIDA BUT NOT AGAINST STAPHYLOCOCCUS DURING SEPSIS (A 114)  
Tobias Woehrle, Ulm, Germany
- 6:00 – 6:06      **OP 480** COMPARATIVE CHARACTERIZATION OF THE IMMUNOSTIMULATORY CAPACITY OF SPORES FROM DIFFERENT FUNGAL SPECIES IN HUMAN WHOLE BLOOD (A 115)  
Mardas Daneshian, Constance, Germany

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VII</b> 6:15 pm – 7:30 pm	<b>Session 56</b> <b>FREE-CO</b>	
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## TLR Signalling Pathways II

**Moderators:** Carsten Kirschning, Munich, Germany  
Paul Redmond, Cork, Ireland


6:15 – 6:27	<b>OR 481</b>	EXCESSIVE ENDOGENOUS SYSTEMIC NO PRODUCTION IS NOT SUFFICIENT TO CAUSE SHOCK, MORBIDITY OR MORTALITY (A 116) Anje Cauwels, Ghent, Belgium
6:27 – 6:39	<b>OR 482</b>	SYNERGIC RECOGNITION OF HUMAN RHINOVIRUSES BY TOLL-LIKE RECEPTORS AND MDA-5 (A 117) Martha Triantafilou, Brighton, United Kingdom
6:39 – 6:51	<b>OR 483</b>	OVEREXPRESSION OF IRAK-1, BUT NOT TLR2, PARTLY REVERSES BACTERIAL LIPOPROTEIN-INDUCED TOLERANCE (A 118) Jiang Huai Wang, Cork, Ireland
6:51 – 7:03	<b>OR 484</b>	STOCHIOMETRY OF TOLL-LIKE RECEPTOR 4 WITHIN THE 'LPS-SENSING APPARATUS' (A 119) Kathy Triantafilou, Brighton, United Kingdom
7:03 – 7:09	<b>OP 485</b>	UPTAKE OF LIPOPOLYSACCHARIDE BY HEPATOCYTES AND LIVER IS DEPENDENT ON CD11b/CD18 ACTIVATION OF p38MAPK (A 120) Melanie Scott, Pittsburgh, USA
7:09 – 7:15	<b>OP 486</b>	TOLL-LIKE RECEPTOR 4 (TLR4) MEDIATES SYSTEMIC INFLAMMATION AFTER CARDIAC TRANSPLANTATION (A 121) David Kaczorowski, Pittsburgh, USA
7:15 – 7:21	<b>OP 487</b>	MEMBRANE SORTING OF TOLL-LIKE RECEPTOR (TLR)-2/6 AND TLR2/1 HETERODIMERS AT THE CELL SURFACE DETERMINES HETEROTYPIC ASSOCIATIONS WITH CD36 AND INTRACELLULAR TARGETING (A 122) Kathy Triantafilou, Brighton, United Kingdom

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VIII</b> 8:30 am – 10:30 am	<b>Session 57</b> <b>SYMPOSIUM</b>	
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## **Microcirculation Monitoring: A Window to Identification and Management of Tissue Hypoperfusion**

**Moderators:** Daniel De Backer, Brussels, Belgium  
Stephen Trzeciak, Camden, USA


8:00 – 8:20	<b>SY 488</b>	<b>NEW PARADIGM OF CIRCULATORY FAILURE IN SHOCK STATES: WHERE DOES THE MICROCIRCULATION FIT IN?</b> Stephen Trzeciak, Camden, USA
8:20 – 8:40	<b>SY 489</b>	<b>THE ENDOTHELIUM IN CIRCULATORY SHOCK: NOT JUST A PASSIVE BYSTANDER</b> William C. Aird, Boston, USA
8:40 – 9:00	<b>SY 490</b>	<b>MICROCIRCULATORY DYSFUNCTION AND OXYGEN TRANSPORT</b> Can Ince, Amsterdam, Netherlands
9:00 – 9:20	<b>SY 491</b>	<b>THE ROLE OF COAGULATION ACTIVATION IN SEPSIS-ASSOCIATED TISSUE HYPOPERFUSION (A 348)</b> Marcel Levi, Amsterdam, Netherlands
9:20 – 9:40	<b>SY 492</b>	<b>MICROCIRCULATORY FAILURE IN SEPSIS: COULD NOVEL AGENTS MAKE A DIFFERENCE?</b> Daniel De Backer, Brussels, Belgium
9:40 – 10:00	<b>SY 493</b>	<b>MICROCIRCULATORY VERSUS MITOCHONDRIAL FAILURE IN SEPSIS: DOES TIMING MAKE A DIFFERENCE?</b> Mervyn Singer, London, United Kingdom
10:00 – 10:20	<b>SY 494</b>	<b>SHOULD WE TARGET THE MICROCIRCULATION IN SHOCK RESUSCITATION? (A 349)</b> Jean-Louis Vincent, Brussels, Belgium

<b>Thursday</b> <b>March 15<sup>th</sup>, 2007</b>	<b>Lecture Hall VIII</b> <b>11:00 am – 1:30 pm</b>	<b>Session 58</b> <b>SYMPOSIUM</b>	
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## A.E. Baue Research Award-Session

**Moderators:** Arthur E. Baue, Fishers Island, USA  
 Eugen Faist, Munich, Germany


11:00 – 11:15	<b>SY 495</b>	<b>A HISTORY OF SURGICAL RESEARCH</b> Arthur E. Baue, Fishers Island, USA
11:15 – 11:27	<b>OR 473</b>	<b>HIGH MOBILITY GROUP BOX 1 (HMGB1) INDUCES TOLL-LIKE RECEPTOR 4 (TLR4) CLUSTERING WITHIN THE LIPID RAFT IN MACROPHAGES (A 108)</b> Kevin Mollen, Pittsburgh, USA
11:27 – 11:39	<b>OR 174</b>	<b>HMGB1 (AMPHOTERIN) INTERACTIONS WITH MONOCYTES AND PLATELETS ARE INHIBITED BY GLYCYRRHIZIN (A 138)</b> Ari Rouhiainen, Helsinki, Finland
11:39 – 11:51	<b>OR 3</b>	<b>CELLULAR REPROGRAMMING BY BACTERIAL LIPOPROTEIN IS INDEPENDANT OF ST2 (A 53)</b> Julliette Buckley, London, United Kingdom
11:51 – 12:03	<b>OR 2</b>	<b>SEPSIS REPROGRAMS BONE MARROW HEMATOPOESIS TOWARD THE MYELOID LINAGE IN A MyD88 AND TRIF DEPENDENT MANNER (A 52)</b> MatthewJ. Delano, Gainesville, USA
12:03 – 12:15	<b>OR 370</b>	<b>LUNG INFLAMMATION AND INFLAMMATORY GENE EXPRESSION PROFILING UPON BRONCHIAL INSTILLATION OF LIPOPOLYSACCHARIDE AND LIPOTEICHOIC ACID IN HUMANS (A 157)</b> Jacobien Hoogerwerf, Amsterdam, Netherlands
12:15 – 12:27	<b>OR 29</b>	<b>SEPSIS FROM PSEUDOMONAS AERUGINOSA PNEUMONIA DECREASES INTESTINAL EPITHELIAL PROLIFERATION AND SLOWS MIGRATION (A 201)</b> Andrew T. Clark, St. Louis, USA
12:27 – 12:39	<b>OR 634</b>	<b>THE PROTECTIVE EFFECTS OF HIGH-FAT FEEDING AFTER SHOCK (A 406)</b> Jacco-Juri De Haan, Maastricht, Netherlands
12:39 – 12:51	<b>OR 533</b>	<b>NEUTROPHIL DEPLETED MICE ARE ABLE TO CLEAR ENTEROCOCCUS FAECIUM PERITONITIS (A 64)</b> Masja Leendertse, Amsterdam, Netherlands

<b>Thursday</b> <b>March 15<sup>th</sup>, 2007</b>	<b>Lecture Hall VIII</b> <b>11:00 am – 1:30 pm</b>	<b>Session 58</b> <b>SYMPOSIUM</b>	
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- 12:51 – 1:03    **OR 102**    PANCREATIC PROTEASES ARE NECESSARY FOR GUT BARRIER FAILURE AND THE PRODUCTION OF BIOLOGICALLY ACTIVE LYMPH (A 31)  
Francis Caputo, Newark, USA
- 1:03 – 1:15    **OR 251**    esRAGE IS ELEVATED IN SEPTIC PATIENTS AND ASSOCIATED WITH PATIENTS OUTCOME (A 273)  
Christian Bopp, Heidelberg, Germany




**The „A.E. Baue Research Award“ is sponsored by  
Novartis Medical Nutrition**

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VIII</b> 2:00 pm – 3:45 pm	<b>Session 59</b> <b>SYMPOSIUM</b>	
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## Inflammation, Tissue Engineering, Wound Healing

**Moderators:** Wolf Mutschler, Munich, Germany  
Martijn van Griensven, Vienna, Austria

2:00 – 2:20	<b>SY 496</b>	PREVENTION OF SKIN SCARRING (A 407) Mark Ferguson, Manchester, United Kingdom
2:20 – 2:40	<b>SY 497</b>	VASCULAR ENDOTHELIAL GROWTH FACTOR – ITS ROLE IN TISSUE REPAIR, INFLAMMATION AND SEPSIS (A 408) Sabine Eming, Cologne, Germany
2:40 – 3:00	<b>SY 498</b>	STEM CELLS FOR BIOENGINEERING OF NERVE REGENERATION (A 409) Giorgio Terenghi, Manchester, United Kingdom
3:00 – 3:20	<b>SY 499</b>	3D CULTURE SYSTEMS TO STUDY OSTEOCHONDRAL TISSUE ENGINEERING POSSIBILITIES (A 410) Charles James Kirkpatrick, Mainz, Germany
3:20 – 3:40	<b>SY 500</b>	BIOREACTORS FOR SKELETAL TISSUE ENGINEERING (A 411) Ivan Martin, Basel, Switzerland

Thursday March 15 <sup>th</sup> , 2007	<b>Lecture Hall VIII</b> 4:00 pm – 6:00 pm	<b>Session 60</b> <b>SYMPOSIUM</b>	
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## **CMV Infection in Critically Ill Sepsis Patients – A Need for Action?**

**Moderators:** Klaus Hamprecht, Tuebingen, Germany  
Jordan Orange, Philadelphia, USA

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|-------------|----------------|---|
| 4:00 – 4:20 | <b>SY 501</b>  | THE LUNG AS A CRITICAL ORGAN IN SEPSIS<br>Jens Gottlieb, Hannover, Germany  |
| 4:20 – 4:40 | <b>SY 502</b>  | THE LUNG AS A CENTRAL COMPARTMENT OF<br>ACTIVE CMV INFECTION (A 383)<br>Klaus Hamprecht, Tuebingen, Germany                   |
| 4:40 – 5:00 | <b>SY 505a</b> | PULMONARY CYTOMEGALOVIRUS REACTIVATION<br>PATHOLOGIC IN IMMUNOCOMPETENT HOSTS<br>(A 565)<br>Charles H. Cook, Columbus, USA    |
| 5:00 – 5:20 | <b>SY 505b</b> | PROTEOME ANALYSIS OF CMV-INDUCED ORGAN<br>DAMAGE AFTER TRANSPLANTATION<br>Harald Mischak, Hannover, Germany                   |
| 5:20 – 5:40 | <b>SY 503</b>  | CMV INFECTION IN SEPSIS PATIENTS - THE<br>EXPERIENCE AT TUEBINGEN UNIVERSITY (A 384)<br>Alexandra Heining, Tuebingen, Germany |
| 5:40 – 6:00 | <b>SY 504</b>  | CMV INFECTION IN SEPSIS PATIENTS – THE<br>EXPERIENCE AT ULM UNIVERSITY<br>Lutz von Mueller, Homburg/Saar, Germany             |




**Supported with an Unrestricted Educational Grant  
of Roche Pharma GmbH**

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## Markers of Inflammation, TLR, Danger Signals, In-Vivo Models, Airway Inflammation

**Moderators:** Dominik Ruettinger, Munich, Germany  
Sergio Zanotti, Cherry Hill, USA


- P 506** EXPRESSION PROFILING OF HEAT SHOCK PROTEINS IN A PRIMATE NON-HUMAN BABOON MODEL OF HEATSTROKE (A 480)  
Mohammed Dehbi, Riyadh, Saudi Arabia
- P 507** ADHESION MOLECULES IN PANCREATITIS-ASSOCIATED LUNG INJURY (A 481)  
Roman Vatseba, Lviv, Ukraine
- P 508** CpG-DNA ACTIVATES TOLL-LIKE RECEPTOR 9 AND CAUSES LUNG INFLAMMATION (A 482)  
Markus Velten, Bonn, Germany
- P 509** IDENTIFICATION OF ECTO-NUCLEOTIDASES CD39 AND CD73 IN INNATE PROTECTION DURING ACUTE LUNG INJURY (A 483)  
Stefanie Zug, Tuebingen, Germany
- P 510** LEGIONELLA PNEUMOPHILA INDUCED IFN $\beta$  IN LUNG EPITHELIAL CELLS VIA IPS-1 AND IRF3 WHICH ALSO CONTROL BACTERIAL REPLICATION (A 484)  
Maya Vinzing, Berlin, Germany
- P 511** THE BLOOD SOLUBLE E-SELECTIN INCREASE IN ACUTE LUNG INJURY (ALI) AND TREATMENT OF THE SIVELESTAT SODIUM, A SELECTIVE NEUTROPHIL ELASTASE INHIBITOR DECREASE THE BLOOD SOLUBLE E-SELECTIN (A 485)  
Takashi Kobayashi, Tokyo, Japan
- P 512** SMALL SPUTUM MACROPHAGES IN INFLAMMATORY DISEASES (A 486)  
Marion Frankenberger, Munich-Gauting, Germany
- P 513** HUMAN ATHEROMATIC FEMORAL ARTERY PLAQUES TRANSPLANTED TO SCID MICE ATTRACT MACROPHAGES (A 487)  
Maria Moscicka, Warsaw, Poland

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- P 514** INTERACTION OF VASCULAR SMOOTH MUSCLE AND MONONUCLEAR CELLS IN COCULTURES INCREASES INTERLEUKIN-6 PRODUCTION (A 488)  
Harald Loppnow, Halle/Saale, Germany
- P 515** THE EFFECT(S) OF FREE RADICAL SCAVENGERS ON PERITONEAL SEPSIS-INDUCED LUNG INJURY IN RAT (A 489)  
Junichi Hirata, Nisinomiya, Japan
- P 516** EX-VIVO DETERMINATION OF MITOCHONDRIAL FUNCTION IN LIVERS COLLECTED SIMULTANEOUSLY FROM A NUMBER OF ANIMALS (A 490)  
Susanne Haindl, Vienna, Austria
- P 517** CEREBROSPINAL FLUID INTERLEUKIN-1 RECEPTOR ANTAGONIST FOLLOWING SEVERE TRAUMATIC BRAIN INJURY (A 491)  
Chlodwig Kirchhoff, Munich, Germany
- P 518** BETA-2-DEFENSIN mRNA INDUCIBILITY IS DECREASED IN PATIENTS WITH SEVERE SEPSIS (A 492)  
Malte Book, Bonn, Germany
- P 519** THE DYNAMIC ANALYSIS OF CREATINE KINASE AND C-REACTIVE PROTEIN IN THE SERUM OF HYPERLIPOIDEMIA MODEL RABBIT (A 493)  
Yuan Wang, Hefei, China
- P 520** PREDICTION OF SURGERY OUTCOME IN ELDERLY PATIENTS – USE OF INFLAMMATION MARKERS (A 494)  
Gonzalez Sergio, Barcelona, Spain
- P 521** ELEVATED CRP LEVELS ARE ASSOCIATED WITH SEVERE SKIN AND SKIN STRUCTURE INFECTIONS – EXPLORATORY ANALYSIS IN A DOUBLE-BLIND, RANDOMIZED TRIAL COMPARING CEFTOBIPROLE WITH VANCOMYCIN FOR TREATMENT OF SKIN INFECTIONS (A 495)  
Richard Strauss, Raritan, USA


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- P 522** KINETICS OF COMPLEMENT ACTIVATION IN PATIENTS WITH TRAUMA – ASSOCIATION WITH CLINICAL CORRELATES (A 496)  
Gabor Nardai, Budapest, Hungary
- P 523** TREM-1 LEVELS ARE BETTER INDICATOR OF INFECTION THAN CLINICAL AND LABORATORY VALUES IN TRAUMA PATIENTS (A 497)  
Fernando Rivera, Dallas, USA
- P 524** S-100 PROTEIN LEVEL AND RADIATION INDUCED BRAIN INJURY (A 498)  
Edwin Boelke, Duesseldorf, Germany
- P 525** INTERLEUKIN 8 – A PREDICTION MARKER FOR SEPSIS IN POSTOPERATIVE INTENSIVE CARE UNIT PATIENTS (A 499)  
Edwin Boelke, Duesseldorf, Germany
- P 526** IN VITRO EFFECTS OF FRANCISELLA TULARENSIS LIPOPOLYSACCHARIDES ON THE SURFACE EXPRESSION AND RAFT ASSOCIATION OF TOLL-LIKE RECEPTORS 2/4 AND CD14 (A 500)  
Zsuzsanna Wolf, Regensburg, Germany
- P 527** ROLE OF TOLL-LIKE RECEPTOR 4 SIGNALLING AND HYPOXIA INDUCIBLE FACTOR IN CARDIAC ISCHEMIA-REPERFUSION INJURY (A 501)  
Heidi Stapel, Bonn, Germany
- P 528** ROLE OF TOLL-LIKE RECEPTORS IN PNEUMOLYSIN-INDUCED PULMONARY INFLAMMATION AND INJURY (A 502)  
Mark Dessing, Amsterdam, Netherlands
- P 529** DUAL EFFECTS OF REACTIVE OXYGEN SPECIES ON TLR4 IN HUMAN CORONARY ARTERY ENDOTHELIAL CELLS (A 503)  
Lihua Ao, Denver, USA
- P 530** LIPOPOLYSACCHARIDES FROM ATHEROSCLEROSIS-ASSOCIATED BACTERIA ANTAGONIZE TLR4, INDUCE FORMATION OF TLR2/1/CD36 COMPLEXES IN LIPID RAFTS AND TRIGGER TLR2-INDUCED INFLAMMATORY RESPONSES (A 504)  
Kathy Triantafilou, Brighton, United Kingdom

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- P 531** YERSINIA PESTIS V-ANTIGEN INHIBITS LIPOPOLYSACCHARIDE-INDUCED RESPONSES (A 505)  
Kathy Triantafilou, Brighton, United Kingdom
- P 532** SERUM LEVELS OF PROGRAMMED CELL DEATH IN ORGAN FAILURE (A 506)  
Michael Bauer, Jena, Germany
- P 532a** COX-2 OVEREXPRESSION IN HNSCC IS DIRECTLY ASSOCIATED WITH INDUCTION OF CD4+ T REGULATORY CELL TYPE 1  
Christoph Bergmann, Pittsburgh, USA


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<b>Societies and Boards</b>	<b>12 – 15</b>	<b>Societies and Boards</b>
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<b>Wednesday March 14<sup>th</sup>, 2007 Opening Ceremony</b>	<b>36 – 71 36</b>	<b>Wednesday</b>
<b>Thursday March 15<sup>th</sup>, 2007</b>	<b>74 – 120</b>	<b>Thursday</b>
<b>Friday March 16<sup>th</sup>, 2007</b>	<b>122 – 162</b>	<b>Friday</b>
<b>Saturday March 17<sup>th</sup>, 2007</b>	<b>164 – 176</b>	<b>Saturday</b>
<b>Social Program Acknowledgments, List of Exhibitors</b>	<b>178 – 179 180 – 182</b>	<b>Social Program</b>
<b>Invited Speakers and Moderators</b>	<b>184 – 202</b>	<b>Speakers and Moderators</b>
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## Mechanisms of Innate Immunity

**Moderators:** James Lederer, Boston, USA  
F. Ulrich Schade, Essen, Germany

- 8:15 – 8:27      **OR 533** NEUTROPHIL DEPLETED MICE ARE ABLE TO CLEAR ENTEROCOCCUS FAECIUM PERITONITIS (A 64)  
Masja Leendertse, Amsterdam, Netherlands
- 8:27 – 8:39      **OR 534** IMMUNE MODULATION BY THE PSEUDOMONAS TYPE III SECRETION SYSTEM (A 65)  
Rudi Beyaert, Ghent, Belgium
- 8:39 – 8:51      **OR 535** Eos-FP, A RECOMBINANT FLUORESCENT DYE TO MONITOR PHAGOCYTOSIS AND DIGESTION OF PATHOGENS IN PATIENTS AT RISK OF SEPSIS AND SEPTIC SHOCK (A 66)  
Marion Schneider, Ulm, Germany
- 8:51 – 9:03      **OR 536** A NOVEL ROLE OF CASPASE-12 IN MUCOSAL IMMUNITY TO ENTERIC PATHOGENS (A 67)  
Amal Nadiri, Montreal, Canada
- 9:03 – 9:15      **OR 537** DIFFERENTIAL EXPRESSION PATTERNS OF TOLL-LIKE RECEPTORS IN NEONATAL SEPSIS (A 68)  
Dorothee Viemann, Muenster, Germany
- 9:15 – 9:21      **OP 538** EOSINOPHILS INDUCE DENDRITIC CELL MATURATION – IMPLICATIONS FOR REGULATION OF IMMUNITY (A 69)  
Ramin Lotfi, Pittsburgh, USA
- 9:21 – 9:27      **OP 539** L. PNEUMOPHILA INDUCED NF-kappaB- AND MAPK-DEPENDENT CYTOKINE RELEASE BY LUNG EPITHELIAL CELLS (A 70)  
Bernd Schmeck, Berlin, Germany
- 9:27 – 9:33      **OP 540** DIFFERENTIAL EFFECT OF PRETREATMENT WITH BACTERIAL PEPTIDOGLYCAN AND LIPOPOLYSACCHARIDE (LPS) ON LPS-STIMULATED MACROPHAGE CYTOKINE RELEASE (A 71)  
Michael West, Chicago, USA
- 9:33 – 9:39      **OP 541** IMPORTANT ROLE OF COMPLEMENT-REGULATORY PROTEINS (CReg) EARLY AFTER TRAUMA AND DURING SEPSIS IN HUMANS (A 72)  
Umme Amara, Ulm, Germany
- 9:39 – 9:45      **OP 542** CROSS TALK OF THE COAGULATION AND COMPLEMENT SYSTEM (A 73)  
Markus Huber-Lang, Ulm, Germany

<b>Friday</b> <b>March 16<sup>th</sup>, 2007</b>	<b>Lecture Hall I</b> <b>11:00 am – 12:20 pm</b>	<b>Session 63</b> <b>SYMPOSIUM</b>	
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## Wound Healing: Biomatrices for Tissue Regeneration

**Moderators:** Adrian Barbul, Baltimore, USA  
 Heinz Redl, Vienna, Austria

- 11:00 – 11:20**    **SY 543**    **ROLE OF MATRIX IN CELL GROWTH AND TISSUE REGENERATION**  
 Jeffrey M. Davidson, Nashville, USA
- 11:20 – 11:40**    **SY 544**    **ANGIOGENESIS – CHAMBERMODEL – FIBRIN MATRIX**  
 Ulrich Kneser, Erlangen, Germany
- 11:40 – 12:00**    **SY 545**    **NATURALLY BOUND AND LINKED GROWTH FACTORS IN FIBRIN MATRIX TO REDUCE SKIN FLAP NECROSIS (A 372)**  
 Rainer Mittermayr, Vienna, Austria
- 12:00 – 12:20**    **SY 546**    **DELIVERY OF HUMAN FIBROBLASTS IN FIBRIN MATRIX FOR THE TREATMENT OF CHRONIC WOUNDS**  
 Paul D. Kemp, Manchester, United Kingdom



**In Cooperation with the EU Network of Excellence „Expertissue“ ([www.expertissues.org](http://www.expertissues.org))**

<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall I</b> 12:30 pm – 2:15 pm	<b>Session 64</b> <b>SYMPOSIUM</b>	
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## **Novel Functional and Therapeutic Aspects of Wound Healing in Burns**

**Moderators:** Marc Jeschke, Galveston, USA  
Heinz Redl, Vienna, Austria

- |               |               |   |
|---------------|---------------|---|
| 12:30 – 12:50 | <b>SY 547</b> | POSSIBILITIES AND FUTURE DIRECTIONS OF GENE THERAPY IN SEVERELY BURNED PATIENTS<br>Marc Jeschke, Galveston, USA |
| 12:50 – 1:10  | <b>SY 548</b> | DYSFUNCTION OF THE EPITHELIAL INNATE IMMUNE RESPONSE IN INFECTED BURNS<br>Lars Steinstraesser, Bochum, Germany  |
| 1:10 – 1:30   | <b>SY 549</b> | ENDOTHELIAL CELL MIGRATION IN WOUND HEALING<br>Alan Wells, Pittsburgh, USA                                      |
| 1:30 – 1:50   | <b>SY 550</b> | THE DEVELOPMENT OF A PORCINE MODEL FOR BURNS AND RECONSTRUCTION (A 418)<br>Ludwik Branski, Galveston, USA       |
| 1:50 – 2:10   | <b>SY 551</b> | VERSAJET®-SYSTEM: ADVANCED BURN WOUND MANAGEMENT<br>Hans-Oliver Rennekampff, Tuebingen, Germany                 |

Friday March 16 <sup>th</sup> , 2007	<b>Lecture Hall I</b> 2:30 pm – 4:30 pm	<b>Session 65</b> SYMPOSIUM	
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## TNF-Inhibition in Chronic Inflammatory Diseases: Mode of Action and Spectrum of Indications


**Moderators:** Andrew Cope, London, United Kingdom  
Hendrik Schulze-Koops, Munich, Germany

2:30 – 2:50	<b>SY 552</b>	TNF, A CENTRAL EFFECTOR MOLECULE IN ADAPTIVE AND INNATE IMMUNITY Hendrik Schulze-Koops, Munich, Germany
2:50 – 3:10	<b>SY 553</b>	TNF-NEUTRALIZATION IN RHEUMATOID ARTHRITIS Andrew Cope, London, United Kingdom
3:10 – 3:30	<b>SY 554</b>	DIAGNOSIS AND MODERN TNF-BLOCKING THERAPY OF PSORIATIC ARTHRITIS Stefan Schewe, Munich, Germany
3:30 – 3:50	<b>SY 555</b>	TNF-NEUTRALIZATION IN ALLERGIC ASTHMA Riccardo Polosa, Catania, Italy
3:50 – 4:10	<b>SY 556</b>	TNF-NEUTRALIZATION IN CHRONIC INFLAMMATORY BOWEL DISEASE Herbert Tilg, Hall/Tyrol, Austria
4:10 – 4:30	<b>SY 557</b>	TNF-INHIBITION IN AUTOIMMUNE VASCULITIS Gary Hoffman, Cleveland, USA



**Supported with an Unrestricted Educational Grant of Schering-Plough Biopharma**

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## Wound Healing – Pathophysiology and Therapeutic Approaches

**Moderators:** Daniel Traber, Galveston, USA  
Alan Wells, Pittsburgh, USA

- 5:00 – 5:12      **OR 558** IMMUNOMODULATION BY HUMAN AMNION AND ADIPOSE TISSUE DERIVED STEM CELLS (A 295)  
Susanne Wolbank, Linz, Austria
- 5:12 – 5:24      **OR 559** THE USE OF Integra™ IN PRIMARY BURN RECONSTRUCTION (A 296)  
Ludwik Branski, Galveston, USA
- 5:24 – 5:36      **OR 560** PROTECTIVE ROLE OF i-NOS INHIBITOR IN PARTIAL THICKNESS BURN WOUND (A 297)  
Lars-Hinrich Evers, San Diego, USA
- 5:36 – 5:48      **OR 561** RAPAMYCIN IMPAIRS WOUND HEALING – POSSIBLE ROLE OF VEGF AND NITRIC OXIDE (A 298)  
Michael Schaeffer, Bochum, Germany
- 5:48 – 6:00      **OR 562** AN APPRAISAL OF ICODEXTRINA SOLUTION IN THE PREVENTION AND DEVELOPMENT OF INTRA-ABDOMINAL ADHESIONS – AN EXPERIMENTAL STUDY (A 299)  
Miguel Cainzos, Santiago de Compostela, Spain
- 6:00 – 6:12      **OR 563** A NEW VISCOUS ADHESION BARRIER (A 300)  
Reinhold Lang, Munich, Germany
- 6:12 – 6:18      **OP 564** MEDIATORS FROM ACTIVATED MYELOID LEUKOCYTES INDUCE OSTEOGENIC DIFFERENTIATION OF MESENCHYMAL STROMAL CELLS (A 301)  
Manfred Koeller, Bochum, Germany
- 6:18 – 6:24      **OP 565** INNOVATIVE SURGICAL MANAGEMENT OF NEC – RESULTS OF 52 CONSECUTIVE CASES (A 302)  
Roman Carbon, Erlangen, Germany
- 6:24 – 6:30      **OP 566** BURST PRESSURE, VASCULAR INTEGRITY AND COLLAGEN CONTENT OF SUTURED AND GLUED COLORECTAL ANASTOMOSES IN THE RAT MODEL (A 303)  
Uwe Pohlen, Berlin, Germany
- 6:30 – 6:36      **OP 567** CLINICAL CURE RATES IN CEFTOBIPROLE- AND VANCOMYCIN-TREATED PATIENTS WITH WOUND INFECTIONS (A 304)  
Richard Strauss, Raritan, USA

<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall II</b> 8:15 am – 9:15 am	<b>Session 67</b> SYMPOSIUM	
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## Industrial Symposium: Trasylol® as an Anti-Inflammatory Therapy

**Moderators:** Daniel Meldrum, Indianapolis, USA  
Michael Spannagl, Munich, Germany

8:15 – 8:35	<b>SY 568</b> MYOCARDIAL ISCHEMIA-REPERFUSION INJURY DURING CARDIOPULMONARY BYPASS (A 546) Daniel Meldrum, Indianapolis, USA
8:35 – 8:55	<b>SY 569</b> THE CRITICAL ROLE OF INFLAMMATATION IN PULMONARY DYSFUNCTION AFTER CARDIAC BYPASS (A 547) Tim Lahm, Indianapolis, USA
8:55 – 9:15	<b>SY 570</b> APROTININ ATTENUATES THE INCIDENCE OF STROKE DURING THE POSTOPERATIVE PERIOD OF CARDIOPULMONARY BYPASS (A 548) Troy Markel, Indianapolis, USA



**Supported with an Educational Grant of  
Bayer HealthCare**

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## Innate Immunity and Organ Transplantation

**Moderators:** Helmut P. Arbogast, Munich, Germany  
Walter G. Land, Ankara, Turkey

- 9:30 – 9:50      **SY 571** INTRODUCTIONARY REMARKS: 'THE INJURY-HYPOTHESIS'  
Walter G. Land, Ankara, Turkey
- 9:50 – 10:10    **SY 572** NEW INSIGHTS INTO THE PATHOPHYSIOLOGY OF ISCHEMIA AND REPERFUSION INJURY  
Jerzy Kupiec-Weglinski, Los Angeles, USA
- 10:10 – 10:30   **SY 573** MOLECULAR BASIS OF VASCULAR DISEASE AFTER TRANSPLANTATION (A 74)  
Jeffrey Platt, Rochester, USA
- 10:30 – 10:50   **SY 574** THE ROLE OF INNATE IMMUNE PATHWAYS IN THE INITIATION OF ALLOIMMUNITY  
Daniel R. Goldstein, New Haven, USA
- 10:50 – 11:10   **SY 575** INNATE IMMUNITY IN RENAL TRANSPLANTATION (A 75)  
Didier Ducloux, Besançon, France
- 11:10 – 11:30   **SY 576** INCREASED EXPRESSION OF SENESCENCE-ASSOCIATED CELL CYCLE INHIBITOR p16INK4a IN DETERIORATING RENAL TRANSPLANTS AND DISEASED NATIVE KIDNEY  
Anette Melk, Heidelberg, Germany
- 11:30 – 11:50   **SY 577** INNATE IMMUNITY IN HEART TRANSPLANTATION (A 76)  
Heiko Methe, Munich, Germany




**Under the Auspices of the Society of Innate Immunity**

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## NF-kappaB

**Moderators:** John W. Christman, Chicago, USA  
Uwe Senftleben, Ulm, Germany

12:00 – 12:20	<b>SY 578</b> NF-kappaB AND THE IMMUNE RESPONSE Sankar Ghosh, New Haven, USA
12:20 – 12:40	<b>SY 579</b> IkappaB KINASES IN INFLAMMATION AND IMMUNITY Toby Lawrence, London, United Kingdom
12:40 – 1:00	<b>SY 580</b> NF-kappaB SIGNALLING IN THE CONTEXT OF INFLAMMATION: MAINSTREAM AND NEW ASPECTS Claus Scheidereit, Berlin, Germany
1:00 – 1:20	<b>SY 581</b> THE ROLE OF NF-kappaB IN CRITICAL ILLNESS – WHAT WE HAVE LEARNED FROM ANIMAL MODELS? (A 250) Timothy Blackwell, Nashville, USA
1:20 – 1:40	<b>SY 582</b> INHIBITION OF NUCLEAR FACTOR kappa B DURING INFLAMMATION: WHEN AND HOW? (A 251) John W. Christman, Chicago, USA
1:40 – 2:00	<b>SY 583</b> LESSONS FROM NF-kappaB-related GENETICS IN SEPSIS Edward Abraham, Birmingham, USA
2:00 – 2:20	<b>SY 584</b> IS NF-kappaB ALWAYS A THERAPEUTIC TARGET DURING CRITICAL DISEASES? (A 252) Uwe Senftleben, Ulm, Germany

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## **T-Regulatory Cell Populations under Stressful Conditions**

**Moderators:** Alfred Ayala, Providence, USA  
John A. Mannick, Boston, USA

- 2:30 – 2:50      **SY 585** T-REGULATORY CELL POPULATIONS UNDER STRESSFUL CONDITIONS – CHANGES IN MURINE REGULATORY T-CELL SUBSETS AND MARKERS (A 130)  
Alfred Ayala, Providence, USA
- 2:50 – 3:10      **SY 586** FUNCTIONAL DISTINCTION OF HUMAN T-REGULATORY CELL POPULATIONS  
David A. Hafler, Boston, USA
- 3:10 – 3:30      **SY 587** THE EFFECT OF INJURY ON T REGULATORY CELL ACTIVITY IN MAN AND AN ANIMAL MODEL (A 131)  
John A. Mannick, Boston, USA
- 3:30 – 3:50      **SY 588** REGULATORY T-CELLS CONTROL INNATE AND ADAPTIVE IMMUNE RESPONSES TO BURN INJURY (A 132)  
James Lederer, Boston, USA
- 3:50 – 4:10      **SY 589** CD4+CD25+ REGULATORY T-CELLS IN THE SEPTIC PATIENT (A 133)  
Guillaume Monneret, Lyon, France
- 4:10 – 4:30      **SY 590** TOLL-LIKE RECEPTORS ON REGULATORY T-cells  
Mihai Netea, Nijmegen, Netherlands
- 4:30 – 4:50      **SY 591** CHARACTERIZATION, ISOLATION AND MECHANISM STUDIES OF T-REGULATORY-CELLS  
Robert Balderas, San Diego, USA




**Supported with an Unrestricted Educational Grant  
of BD Biosciences**

<b>Friday</b> <b>March 16<sup>th</sup>, 2007</b>	<b>Lecture Hall II</b> <b>5:00 pm – 7:15 pm</b>	<b>Session 71</b> <b>FREE-CO</b>	
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## Modulation of the Immunoinflammatory Response

**Moderators:** Sankar Ghosh, New Haven, USA  
 Wolfgang Thasler, Munich, Germany

5:00 – 5:12	<b>OR 592</b> EXOGENOUS EPIDERMAL GROWTH FACTOR IMPROVES INTESTINAL INTEGRITY IN SEPSIS (A 235) Jessica Clark, St. Louis, USA
5:12 – 5:24	<b>OR 593</b> RECONSTITUTION OF IMMUNOCOMPETENCE BY GM-CSF IN PATIENTS WITH SEVERE SEPSIS AND IMMUNOPARALYSIS (A 236) Christian Meisel, Berlin, Germany
5:24 – 5:36	<b>OR 594</b> EFFECT OF THE PEROXYNITRITE CATALYST WW-85 ON HEMODYNAMICS AND CEREBRAL MICROVASCULAR BLOOD FLOW IN OVINE SEPTIC SHOCK (A 237) Dirk M. Maybauer, Ulm, Germany
5:36 – 5:48	<b>OR 595</b> THERAPEUTIC EFFECTS OF NEUROPEPTIDES IN EXPERIMENTAL SEPSIS BY INHIBITING HMGB1 RELEASE (A 239) Alejo Chorny, Granada, Spain
5:48 – 6:00	<b>OR 596</b> AN EX-VIVO STUDY TESTING THE IMMUNOMODULATORY EFFECTS OF DAPTOMYCIN IN AN ENDOTOXIN MODEL IN HUMAN BLOOD Christian Joukhadar, Vienna, Austria
6:00 – 6:12	<b>OR 597</b> PREVENTION OF SIRS-RELATED LOSS OF CARDIAC FUNCTION BY MEANS OF THE LEUKOCYTE INHIBITION MODULE (LIM), AN EXTRACORPOREAL IMMUNE THERAPY DEVICE (A 240) Tim Loegters, Duesseldorf, Germany
6:12 – 6:24	<b>OR 598</b> ETANERCEPT ATTENUATES THE DEVELOPMENT OF CERULEIN-INDUCED ACUTE PANCREATITIS IN MICE. A COMPARISON WITH TNF- $\alpha$ GENETIC DELETION (A 241) Salvatore Cuzzocrea, Messina, Italy
6:24 – 6:36	<b>OR 599</b> MECHANISM OF THE SALUTARY EFFECTS OF FINASTERIDE ON IMMUNE RESPONSE FOLLOWING TRAUMA-HEMORRHAGE: UPREGULATION OF ESTRADIOL SYNTHESIS (A 242) Michael Frink, Birmingham, USA

<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall II</b> 5:00 pm – 7:15 pm	<b>Session 71</b> FREE-CO	
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6:36 – 6:42	<b>OP 600</b> THE ROLE OF ACTIVATED PROTEIN C AND ANTITHROMBIN III AS MODULATORS OF THE LPS-INDUCED INFLAMMATORY RESPONSE IN PBMCS OF HEALTHY VOLUNTEERS AND PATIENTS UNDERGOING MAJOR SURGERY (A 238) Heiko Trentzsch, Munich, Germany
6:42 – 6:48	<b>OP 601</b> PHYSIOLOGIC HYPEROSMOLARITY INHIBITS C5a ENDOCYTOTIC SIGNALING POST-RECEPTOR IN NEUTROPHILS (A 243) Phillip Eckels, Denver, USA
6:48 – 6:54	<b>OP 602</b> SELECTIVE INHIBITION OF PLATELETS BY THE GPIIb/IIIa RECEPTOR ANTAGONIST TIROFIBAN REDUCES LEUKOCYTE-ENDOTHELIAL-CELL-INTERACTION IN MURINE ANTIGEN-INDUCED ARTHRITIS (A 244) Oliver Gottschalk, Munich, Germany
6:54 – 7:00	<b>OP 603</b> STANDARD VS. HIGH VOLUME ADMINISTRATION IN EXPERIMENTAL SEPSIS – EFFECTS ON REGIONAL BLOOD FLOWS AND JEJUNAL IN-VITRO MOTILITY (A 245) Jose Gorrasi, Bern, Switzerland
7:00 – 7:06	<b>OP 604</b> INHIBITION OF ENDOGENOUS HYDROGEN SULPHIDE FORMATION PROTECTS THE LIVER FROM SCALD BURN INJURY IN THE RAT (A 246) Bruno Sepodes, Lisboa, Portugal
7:06 – 7:12	<b>OP 605</b> TARGETED DRUG DELIVERY TO INFLAMMATION SITES (A 247) Sandra Reichstetter, Seattle, USA

Friday March 16 <sup>th</sup> , 2007	<b>Lecture Hall III</b> 8:15 am – 11:15 am	<b>Session 72</b> SYMPOSIUM	
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## Preclinical and Clinical Trials of Novel Immunomodulatory Therapeutic Agents in Inflammation and Sepsis

**Moderators:** Edward Abraham, Birmingham, USA  
Jean-Louis Vincent, Brussels, Belgium


8:15 – 8:35	<b>SY 606</b>	TARGETING ENDOGENOUS DANGER SIGNALS AND THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY IN ACUTE AND CHRONIC DISEASE (A 422) Gregory LaRosa, Lexington, USA
8:35 – 8:55	<b>SY 607</b>	ANTIBODY AGAINST THE RECEPTOR FOR ADVANCED GLYCATION END PRODUCTS (RAGE) AS A TREATMENT STRATEGY FOR SEPSIS (A 423) Steven Opal, Pawtucket, USA
8:55 – 9:15	<b>SY 608</b>	ESTROGEN RECEPTOR BETA (ER $\beta$ ) AGONISM INCREASES SURVIVAL IN EXPERIMENTALLY INDUCED SEPSIS (A 424) James Keith, Jr., Cambridge, USA
9:15 – 9:35	<b>SY 609</b>	PRECLINICAL TRIALS OF BLOCKADE OF C5a AND C5aR IN SEPSIS (A 425) Peter Ward, Ann Arbor, USA
9:35 – 9:55	<b>SY 610</b>	PRE-CLINICAL AND CLINICAL TRIALS – TLR INHIBITORS (A 426) Jean-Louis Vincent, Brussels, Belgium
9:55 – 10:15	<b>SY 611</b>	THE LIPOS-TRIAL: LIPID EMULSION IN THE TREATMENT OF SEVERE SEPSIS Phillip Dellinger, Camden, USA
10:15 – 10:35	<b>SY 612</b>	NEW EVIDENCE FOR THE EFFICACY OF POLYVALENT IMMUNOGLOBULINS IN BACTERIAL SEPSIS? Karl-Georg Kreymann, Hamburg, Germany
10:35 – 10:55	<b>SY 613</b>	SELENIUM IN INTENSIVE CARE (SIC): RESULTS OF A PROSPECTIVE RANDOMISED, PLACEBO CONTROLLED MULTI-CENTRE STUDY IN PATIENTS WITH SEVERE SIRS, SEPSIS AND SEPTIC SHOCK Roland Gaertner, Munich, Germany

<b>Friday</b> <b>March 16<sup>th</sup>, 2007</b>	<b>Lecture Hall III</b> <b>8:15 am – 11:15 am</b>	<b>Session 72</b> <b>SYMPOSIUM</b>	
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10:55 – 11:15    **SY 614** EFFECTS OF POLYCLONAL Anti-TNF IN SEVERE SEPSIS (A 427)  
Gordon Bernard, Nashville, USA



**Under the Auspices of the International Sepsis Forum (ISF)**

<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall III</b> 11:30 am – 1:50 pm	<b>Session 73</b> SYMPOSIUM	
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## Sepsis: Rethinking the Approach to Clinical Research

**Moderators:** Derek Angus, Pittsburgh, USA  
John Marshall, Toronto, Canada

11:30 – 11:50	<b>SY 615</b>	THE PRE-CLINICAL PORTFOLIO: WHAT IS ENOUGH? Tom Van der Poll, Amsterdam, Netherlands
11:50 – 12:10	<b>SY 616</b>	ESTABLISHING PROOF OF CONCEPT R.P. Dellinger, Camden, USA
12:10 – 12:30	<b>SY 617</b>	ALTERNATIVE TRIAL DESIGNS Derek Angus, Pittsburgh, USA
12:30 – 12:50	<b>SY 618</b>	IMPROVING THE DESIGN OF CLINICAL TRIALS IN SEVERE SEPSIS: FACILITATING THE EXTRAPLORATION OF EFFICACY TO EFFECTIVENESS William L. Macias, Indianapolis, USA
12:50 – 1:10	<b>SY 619</b>	DEFINING THE TARGET POPULATION Edward Abraham, Birmingham, USA
1:10 – 1:30	<b>SY 620</b>	HOW IMPORTANT IS INFECTION? John Marshall, Toronto, Canada
1:30 – 1:50	<b>SY 621</b>	INVESTIGATOR VERSUS INDUSTRY-INITIATED RESEARCH IN SEPSIS (A 428) Jean-Louis Vincent, Brussels, Belgium




**Under the Auspices of the International Sepsis Forum (ISF)**

<b>Friday</b> <b>March 16<sup>th</sup>, 2007</b>	<b>Lecture Hall III</b> <b>2:00 pm – 6:30 pm</b>	<b>Session 74</b> <b>SYMP/FREE-CO</b>	
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## **Impact of Clinical Nutrition on Chronic and Acute Inflammation**

**Moderators:** Karl-Walter Jauch, Munich, Germany  
Erich Roth, Vienna, Austria

2:00 – 2:20	<b>SY 622</b> MALNUTRITION (A 558) John E. Morley, St. Louis, USA
2:20 – 2:40	<b>SY 623</b> GLUTAMINE Erich Roth, Vienna, Austria
2:40 – 3:00	<b>SY 624</b> L-ARGININE (A 398) Martin K. Angele, Munich, Germany
3:00 – 3:20	<b>SY 625</b> CYSTEINE – AN ESSENTIAL AMINO ACID DURING THE SYSTEMIC INFLAMMATORY RESPONSE? (A 399) Robert Grimble, Southampton, United Kingdom
3:20 – 3:40	<b>SY 626</b> HIGH-FAT NUTRITION INHIBITS INFLAMMATION AND PRESERVES GUT BARRIER FUNCTION VIA CHOLECYSTOKININ, NICOTINIC-RECEPTORS AND THE VAGUS NERVE (A 400) Wim Buurman, Maastricht, Netherlands
3:40 – 4:00	<b>SY 627</b> POLYPHENOLS Hans K. Biesalski, Stuttgart, Germany
4:00 – 4:20	<b>SY 628a</b> ENTERAL NUTRITION IN THE ICU Frederick Moore, Houston, USA
4:20 – 4:40	<b>SY 628b</b> Why Immunonutrition Works Juan B. Ochoa, Pittsburgh, USA
4:40 – 5:00	<b>SY 629</b> NUTRIENT OVERLOAD (A 401) Michael Krebs, Vienna, Austria
5:00 – 5:20	<b>SY 630</b> THE ROLE OF NUTRITION IN FAST-TRACK SURGERY Karl-Walter Jauch, Munich, Germany
5:20 – 5:40	<b>SY 631</b> PREOPERATIVE 'CARBOPEPTIDE-LOADING' (A 554) Edwin Rant, Graz, Austria


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5:40 – 5:52	<b>OR 632</b>	<b>HYPERGLYCEMIA HAMPERS NEUTROPHIL ACTIVATION AND EXAGGERATES COAGULATION, WHEREAS HYPERINSULINEMIA IMPAIRS FIBRINOLYSIS DURING HUMAN ENDOTOXEMIA (A 402)</b> Michiel Stegenga, Amsterdam, Netherlands
5:52 – 6:04	<b>OR 633</b>	<b>EARLY AND SUSTAINED ACUTE FALLS IN TOTAL SERUM CHOLESTEROL ARE ASSOCIATED WITH CRITICAL ILLNESS MORTALITY IN THE SETTING OF TIGHT GLYCAEMIC CONTROL (A 403)</b> Paul Dark, Manchester, United Kingdom
6:04 – 6:16	<b>OR 634</b>	<b>THE PROTECTIVE EFFECTS OF HIGH-FAT FEEDING AFTER SHOCK (A 406)</b> Jacco-Juri de Haan, Maastricht, Netherlands
6:16 – 6:22	<b>OP 635</b>	<b>DOES STRESS INDUCED INSULIN RESISTANCE AND HYPERGLYCEMIA LEAD TO CHRONIC GLUCOSE INTOLERANCE IN SEVERELY BURNED PEDIATRIC PATIENTS (A 404)</b> Gerd Gauglitz, Galveston, USA
6:22 – 6:28	<b>OP 636</b>	<b>EARLY PARENTERAL NUTRITION IS ASSOCIATED WITH INCREASED INFECTIOUS MORBIDITY AND MORTALITY IN CRITICALLY ILL TRAUMA PATIENTS (A 405)</b> Matthew Sena, Sacramento, USA



**Supported with an Unrestricted Educational Grant of Novartis Nutrition**


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## Heat Shock Proteins and the Inflammatory Response

**Moderators:** Antonio De Maio, La Jolla, USA  
Heiko Trentzsch, Munich, Germany

- 8:30 – 8:50      **SY 637** Hsp70 SECRETION BY MACROPHAGES IN RESPONSE TO TRAUMA AND UPTAKE OF BACTERIA (A 42)  
Stuart Calderwood, Boston, USA
- 8:50 – 9:10      **SY 638** HEAT SHOCK PROTEINS AS DANGER SIGNALS (A 564)  
John Williams, Chester, United Kingdom
- 9:10 – 9:30      **SY 639** Hsp70 IS PRESENT IN EXTRACELLULAR VESICLES RICH IN GM1 AND CHOLESTEROL (A 43)  
Antonio De Maio, La Jolla, USA
- 9:30 – 9:50      **SY 640** HSF1 AND THE CONTROL OF APOPTOSIS IN INFLAMMATION AND CANCER (A 44)  
M. Gabriella Santoro, Rome, Italy
- 9:50 – 10:10      **SY 641** REGULATION OF PHAGOCYTOSIS BY HEAT SHOCK PROTEINS (A 45)  
Virginia L. Vega, La Jolla, USA

Friday March 16 <sup>th</sup> , 2007	<b>Lecture Hall IV</b> 10:30 am – 12:50 pm	<b>Session 76</b> SYMPOSIUM	
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## Measuring Endotoxin in Critical Illness

**Moderators:** Mihaly Boros, Szeged, Hungary  
Thomas Hartung, Constance, Germany

10:30 – 10:50	<b>SY 642a</b>	WHAT IS THE RATIONALE TO TARGET ENDOTOXIN? Jean-Marc Cavallion, Paris, France
10:50 – 11:10	<b>SY 642b</b>	LET THE CELLS SPEAK – USING HOST INNATE MECHANISMS TO REPORT THE PRESENCE OF ENDOTOXIN Alex Romaschin, Toronto, Canada
11:10 – 11:30	<b>SY 643</b>	OUTPATIENTS WITH END STAGE RENAL DISEASE ON HEMODIALYSIS HAVE ENDOTOXIN LEVELS COMPARABLE TO CRITICALLY ILL PATIENTS (A 344) Roxana Bologa, New York, USA
11:30 – 11:50	<b>SY 644</b>	VIRTUES AND VICES OF ENDOTOXEMIA Steven Opal, Pawtucket, USA
11:50 – 12:10	<b>SY 645</b>	UTILITY OF THE ENDOTOXIN ACTIVITY ASSAY (EAA) TO ASSESS ENDOTOXEMIA IN BURN PATIENTS (A 346) Robert Barber, Dallas, USA
12:10 – 12:30	<b>SY 646</b>	PATTERNS OF ENDOTOXEMIA IN A PARADIGM OF EARLY GOAL DIRECTED THERAPY Ronny Otero, Detroit, USA
12:30 – 12:50	<b>SY 647</b>	LIPOTEICHOIC ACID – THE GRAM-POSITIVE ENDOTOXIN? (A 347) Thomas Hartung, Constance, Germany



Supported with an Unrestricted Educational Grant of Spectral Diagnostics

<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall IV</b> 1:00 pm – 3:20 pm	<b>Session 77</b> <b>SYMPOSIUM</b>	
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## Blood Purification for Severe Sepsis and Septic Shock

**Moderators:** Hiroyuki Hirasawa, Chiba, Japan  
Dietrich Seidel, Munich, Germany

- 1:00 – 1:20      **SY 649** CURRENT CONCEPTS OF THE ROLE OF ENDOTOXIN IN SEPSIS AND THE SIGNIFICANCE OF ENDOTOXIN REMOVAL THERAPY (A 345)  
Steven Opal, Pawtucket, USA
- 1:20 – 1:40      **SY 650** ENDOTOXIN REMOVAL THERAPY FOR THE TREATMENT OF SEPSIS – SIGNAL FROM EUROPEAN PILOT STUDY WITH POLYMYXIN B IMMOBILIZED DEVICE  
Pierre F. LaTerre, Brussels, Belgium
- 1:40 – 2:00      **SY 652** HEMOPERFUSION WITH Toraymyxin® IN PATIENTS WITH SEVERE SEPSIS DUE TO INTESTINAL PERFORATION (A 373)  
Javier Maynar, Vitoria, Spain
- 2:00 – 2:20      **SY 653a** CONTINUOUS HEMODIAFILTRATION WITH PMMA HEMOFILTER IN THE TREATMENT OF SEVERE SEPSIS AND SEPTIC SHOCK (A 375)  
Shigeto Oda, Chiba, Japan
- 2:20 – 2:40      **SY 653b** EFFECTIVENESS OF POLYMYXIN B-IMMOBILIZED FIBER COLUMN IN SEPSIS – A SYSTEMATIC REVIEW  
Dinna Cruz, Vicenza, Italy
- 2:40 – 3:00      **SY 654** COUPLED PLASMA FILTRATION WITH ADSORPTION IN SEPTIC SHOCK  
Claudio Ronco, Vicenza, Italy
- 3:00 – 3:20      **SY 655** S.A.F.E. (BT) : A NOVEL SYSTEM FOR EXTRACORPOREAL REMOVAL OF BACTERIAL TOXINS (LPS AND LTA) (A 376)  
Juergen Wagner, Melsungen, Germany

**TORAY**

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<b>Friday</b> <b>March 16<sup>th</sup>, 2007</b>	<b>Lecture Hall IV</b> <b>3:30 pm – 6:15 pm</b>	<b>Session 78</b> <b>SYMPOSIUM</b>	
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## Physiologic Signals in the ICU – Acquisition, Interpretation and Intervention?

**Moderators:** Timothy Buchman, St. Louis, USA  
 Mitchel M. Levy, Providence, USA

3:30 – 3:50	<b>SY 656</b>	<b>PHYSIOLOGIC STABILITY AND PHYSIOLOGIC STATE: HOW DO SIGNALS INFORM CARE?</b> Timothy Buchman, St. Louis, USA
3:50 – 4:10	<b>SY 657</b>	<b>MULTISCALE TIME ASYMMETRY IN PHYSIOLOGIC DATA</b> Madalena D. Costa, Boston, USA
4:10 – 4:30	<b>SY 658</b>	<b>ALARM ALGORITHMS – RECOGNIZING TRUE FAILURE (A 355)</b> Michael Imhoff, Bochum, Germany
4:30 – 4:50	<b>SY 659</b>	<b>MECHANISMS OF PHYSIOLOGICAL VARIABILITY (A 356)</b> Sven Zenker, Pittsburgh, USA
4:50 – 5:10	<b>SY 660</b>	<b>COMMUNICATIONS IN PHYSIOLOGY - SHORT-TERM AND LONG-TERM TIME SCALES (A 357)</b> Dirk Hoyer, Jena, Germany
5:10 – 5:30	<b>SY 661</b>	<b>INFERRING COUPLING BETWEEN PHYSIOLOGICAL SYSTEMS FROM DATA (A 358)</b> Michael Rosenblum, Potsdam, Germany
5:30 – 5:50	<b>SY 662</b>	<b>THE BRAIN, THE HEART AND THE VASCULATURE - COMPLEX BUT UNCOMPLICATED INTERACTIONS (A 359)</b> Aneta Stefanovska, Lancaster, United Kingdom
5:50 – 6:10	<b>SY 663</b>	<b>CEREBROVASCULAR MODELING IN THE ICU (A 360)</b> Mauro Ursino, Bologna, Italy

**PHILIPS**


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<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall V</b> 8:45 am – 11:25 am	<b>Session 79</b> <b>SYMPOSIUM</b>	
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## Stem Cells and Cardiac Repair/Protection

**Moderators:** Daniel Meldrum, Indianapolis, USA  
Martin Roellinghoff, Erlangen, Germany

- 8:45 – 9:05      **SY 664** NHLBI/NIH RESOURCES FOR GENE AND CELL-BASED THERAPIES (A 289)  
Sonia Skarlatos, Bethesda, USA
- 9:05 – 9:25      **SY 665** PRECONDITIONING ENHANCES SURVIVAL AND TRANSDIFFERENTIATION POTENTIAL OF STEM CELLS AFTER TRANSPLANTATION IN INFARCTED MYOCARDIUM (A 290)  
Muhammad Ashraf, Cincinnati, USA
- 9:25 – 9:45      **SY 666** SURVIVAL, PROLIFERATION, AND MIGRATION OF HEMATOPOIETIC AND EMBRYONIC STEM CELLS  
Hal E. Broxmeyer, Indianapolis, USA
- 9:45 – 10:05     **SY 667** GENDER DIFFERENCE IN BONE MARROW FUNCTION FOLLOWING TRAUMA-HEMORRHAGE (A 291)  
Irshad Chaudry, Birmingham, USA
- 10:05 – 10:25    **SY 668** STEM CELLS AND CARDIAC REGENERATION (A 292)  
Loren Field, Indianapolis, USA
- 10:25 – 10:45    **SY 669** MRI FOR THE ASSESSMENT OF THERAPEUTIC EFFECTS AFTER AUTOLOGOUS STEM CELL THERAPY (A 293)  
Bernd Wintersperger, Munich, Germany
- 10:45 – 11:05    **SY 670** STEM CELLS: FROM CARДИОPOIESIS TO REPAIR  
Andre Terzic, Rochester, USA
- 11:05 – 11:25    **SY 671** STEM CELL PARACRINE EFFECTS – POTENTIAL IN CARDIAC SURGERY (A 294)  
Daniel Meldrum, Indianapolis, USA

Friday March 16 <sup>th</sup> , 2007	<b>Lecture Hall V</b> 11:30 am – 12:15 pm	<b>Session 80</b> SYMPOSIUM	
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## Principles of Improvisation and Negotiation for Researchers

**Moderator:** Lakshmi Balachandra, Cambridge, USA

11:30 – 12:15    **SY 672** PRINCIPLES OF IMPROVISATION AND  
NEGOTIATION FOR RESEARCHERS  
Lakshmi Balachandra, Cambridge, USA

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## Crossroads of Inflammation and Cancer (I): Crucial Mechanisms

**Moderators:** Thomas Gottwald, Bad Homburg v.d.H., Germany  
Anna Rubartelli, Genova, Italy

12:30 – 12:50	<b>SY 673</b> NF-k-beta AS A KEY LINK BETWEEN CHRONIC INFLAMMATION AND CANCER (A 168) Florian Greten, Munich, Germany
12:50 – 1:10	<b>SY 674</b> HYPOXIA SIGNALLING IN TUMOR GROWTH Jacques Pouyssegur, Nice, France
1:10 – 1:30	<b>SY 675</b> TUMOR INFILTRATING LEUKOCYTES AND MALIGN PROGRESSION Alberto Mantovani, Rozzano, Italy
1:30 – 1:50	<b>SY 676</b> GALECTIN-1 AND IMMUNE SUPPRESSION IN TUMORS Gabriel A. Rabinovich, Buenos Aires, Argentina
1:50 – 2:10	<b>SY 677</b> EXTRACELLULAR REDOX AND ENDOGENOUS DANGER FACTORS IN TUMOR PROGRESSION (A 169) Anna Rubartelli, Genova, Italy
2:10 – 2:30	<b>SY 678</b> IMMUNE RESPONSE TO UNSCHEDULED CELL DEATH Michael T. Lotze, Pittsburgh, USA
2:30 – 2:36	<b>OP 679</b> THERMAL STRESS-RELATED MODULATION ON IMMUNE RESPONSE AND THE ROLE OF HEAT SHOCK PROTEINS (A 170) Valeria Milani, Munich, Germany
2:36 – 2:42	<b>OP 680</b> AN UNIQUE KUPFFER CELL RECEPTOR SYSTEM – INVOLVEMENT IN COLORECTAL CANCER METASTASIS TO THE LIVER (A 171) Peter Thomas, Omaha, USA




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<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall V</b> 3:00 pm – 6:30 pm	<b>Session 82</b> <b>SYMPOSIUM</b>	
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## Crossroads of Inflammation and Cancer (II): Targeting the Innate Immune System

**Moderators:** Stefan Endres, Munich, Germany  
Michael T. Lotze, Pittsburgh, USA

3:00 – 3:20	<b>SY 681</b>	TRIPHOSPHATE-RNA IS THE LIGAND FOR THE CYTOSOLIC RECEPTOR RETINOIC-ACID INDUCIBLE GENE-1 (RIG-I) (A 567) Gunther Hartmann, Bonn, Germany
3:20 – 3:40	<b>SY 682</b>	INDUCING T CELL AND B CELL RESPONSES WITH IMMUNOSTIMULATORY RNA (A 172) Stefan Endres, Munich, Germany
3:40 – 4:00	<b>SY 683</b>	GASTROINTESTINAL MALIGNANCIES AND INFLAMMATION: ROLE OF HMGB1 Michael T. Lotze, Pittsburgh, USA
4:00 – 4:20	<b>SY 684</b>	NUCLEIC ACID RECOGNITION IN PLASMACYTOID DENDRITIC CELLS – ROLE FOR GENERATION OF AUTOIMMUNITY (A 173) Anne Krug, Munich, Germany
4:20 – 4:40	<b>SY 685</b>	uPAR-MEDIATED APOPTOSIS IN MELANOMA (A 174) Robert Besch, Munich, Germany
4:40 – 5:00	<b>SY 686</b>	COMBINING IMMUNOTHERAPY AND CHEMOTHERAPY IN EXPERIMENTAL PANCREATIC CANCER (A 175) Marc Dauer, Munich, Germany
5:00 – 5:20	<b>SY 687</b>	IMMUNOTHERAPY OF HEPATOCELLULAR CARCINOMA (A 176) Tim Greten, Hannover, Germany
5:20 – 5:40	<b>SY 688</b>	IMMUNOTHERAPY OF CANCER BY TRIFUNCTIONAL ANTIBODIES (A 177) Horst Lindhofer, Munich, Germany
5:40 – 6:00	<b>SY 689</b>	LINKING INNATE AND ADAPTIVE IMMUNITY BY VACCINATION WITH ADJUVANT-FORMULATED TUMOR ANTIGEN (A 178) Max Schnurr, Munich, Germany


<b>Friday</b> <b>March 16<sup>th</sup>, 2007</b>	<b>Lecture Hall V</b> <b>3:00 pm – 6:30 pm</b>	<b>Session 82</b> <b>SYMPOSIUM</b>	
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6:00 – 6:20

**SY 690** VACCINATING LYMPHOPENIC LUNG CANCER PATIENTS FOLLOWING RECONSTITUTION WITH AUTOLOGOUS PBMC- FIRST RESULTS OF A PILOT-PHASE I CLINICAL TRIAL (A 179)  
Dominik Ruettinger, Munich, Germany

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## Catastrophic Surgical Infections

**Moderators:** Philip S Barie, New York, USA  
Donald E. Fry, Chicago, USA

10:00 – 10:20	<b>SY 691</b>	THE IMMUNOCOMPROMISED SURGICAL PATIENT Donald E. Fry, Chicago, USA
10:20 – 10:40	<b>SY 692</b>	INFECTIONS CAUSED BY DRUG-RESISTANT PATHOGENS Carl Erik Nord, Stockholm, Sweden
10:40 – 11:00	<b>SY 693</b>	FULMINANT CLOSTRIDIUM DIFFICILE COLITIS David Mercer, Houston, USA
11:00 – 11:20	<b>SY 694</b>	ACUTE ISCHEMIC COLITIS (A 377) Jan Horn, San Francisco, USA
11:20 – 11:40	<b>SY 695</b>	INFECTED PANCREATIC NECROSIS (A 378) E. Patchen Dellinger, Seattle, USA
11:40 – 12:00	<b>SY 696</b>	NECROTIZING INFECTION OF THE ABDOMINAL WALL Toni Hau, Abu Dhabi, United Arab Emirates
12:00 – 12:20	<b>SY 697</b>	ABDOMINAL COMPARTMENT SYNDROME COMPLICATING INFECTION (A 379) Zsolt Balogh, Newcastle, Australia
12:20 – 12:40	<b>SY 698</b>	NEW PHARMACOLOGIC TREATMENT STRATEGIES FOR COMPLICATED SURGICAL INFECTIONS Beatrice Grabein, Munich, Germany

# Wyeth

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<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall VI</b> 1:00 pm – 3:45 pm	<b>Session 84</b> <b>SYMPOSIUM</b>	
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## **TLR-Signalling: Spectrum of Pathogenetic Impact and Therapeutic Interventions**

**Moderators:** Daniel Rossignol, Ridgefield Park, USA  
Hector R. Wong, Cincinnati, USA

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| 1:00 – 1:20 | <b>SY 699</b> BACTERIAL AND VIRAL PRODUCTS INFLUENCE IMMUNE SYSTEM REPLENISHMENT (A 123)<br>Paul Kincade, Oklahoma City, USA                       |
| 1:20 – 1:40 | <b>SY 700</b> DIETARY FAT IS STIMULUS FOR TLR-4 SIGNALING AND OBESITY-ASSOCIATED INFLAMMATION (A 124)<br>Chantal Rivera, Shreveport, USA           |
| 1:40 – 2:00 | <b>SY 701</b> TOLL-LIKE RECEPTORS: INITIATORS FOR PRETERM BIRTH<br>William Curtin, Rochester, USA  |
| 2:00 – 2:20 | <b>SY 702</b> ELUCIDATION OF THE MECHANISMS INVOLVED IN CELLULAR REPROGRAMMING (A 125)<br>Paul Redmond, Cork, Ireland                              |
| 2:20 – 2:40 | <b>SY 703</b> MODULATION OF MACROPHAGE SIGNALLING PATHWAYS BY ANTHRAX TOXIN PROTEINS (A 126)<br>Jin Mo Park, Charlestown, USA                      |
| 2:40 – 3:00 | <b>SY 704</b> Hsp70-MEDIATED MACROPHAGE REGULATION<br>Hector R. Wong, Cincinnati, USA  |
| 3:00 – 3:20 | <b>SY 705</b> THE 'ETHEREAL' NATURE OF TLR4 AGONISM AND ANTAGONISM IN THE AGP CLASS OF LIPID A MIMETICS (A 127)<br>David Johnson, Hamilton, USA    |
| 3:20 – 3:40 | <b>SY 707</b> SUMMARY RESULTS OF CLINICAL TRIALS OF ERITORAN – A TOLL-LIKE RECEPTOR-4 ANTAGONIST (A 129)<br>Daniel Rossignol, Ridgefield Park, USA |



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<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall VI</b> 4:00 pm – 6:30 pm	<b>Session 85</b> <b>SYMPOSIUM</b>	
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## Keeping Pace With Medical Needs: Ways to Improve Clinical Trials of Antimicrobials

**Moderators:** Carl Erik Nord, Stockholm, Sweden  
 Joseph S. Solomkin, Cincinnati, USA

4:00 – 4:20	<b>SY 708</b>	<b>INTRODUCTION</b> Joseph S. Solomkin, Cincinnati, USA	
4:20 – 4:40	<b>SY 709</b>	<b>THERAPEUTIC TARGETS AND CLINICAL STAGING</b> John Marshall, Toronto, Canada	
4:40 – 5:00	<b>SY 710</b>	<b>USE OF SURROGATE MEASURES AS OUTCOME VARIABLES (A 412)</b> Beat Mueller, Basel, Switzerland	
5:00 – 5:20	<b>SY 711</b>	<b>WHEN IS RESISTANCE TOO MUCH FOR EMPIRIC THERAPY: IMPACT OF ANTIMICROBIAL RESISTANCE IN CLINICAL TRIALS (A 414)</b> Carl Erik Nord, Stockholm, Sweden	
5:20 – 5:40	<b>SY 712</b>	<b>IMPROVING THE PROCESS OF CLINICAL TRIAL DEVELOPMENT OF ANTIBIOTICS – A PHARMACEUTICAL PHYSICIAN’S PERSPECTIVE (A 415)</b> Gary Noel, Raritan, USA	
5:40 – 6:00	<b>SY 714</b>	<b>THE SCIENTIFIC BASIS OF DRUG REGULATION: HOW DO WE DO BETTER WITH LESS?</b> John H. Powers, Olney, USA	
6:00 – 6:30		Round Table Discussion	




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<b>Friday</b> March 16 <sup>th</sup> , 2007	<b>Lecture Hall VII</b> 8:30 am – 11:15 am	<b>Session 86</b> <b>SYMPOSIUM</b>	
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## **Danger Signals and Nod-Like Receptors (NLRs)**

**Moderators:** Michael T. Lotze, Pittsburgh, USA  
Fabio Martinon, Boston, USA

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| 8:30 – 8:50   | <b>SY 715</b> THE INFLAMMASOME – A DANGER SIGNAL SENSING COMPLEX INVOLVED IN AUTOINFLAMMATORY DISEASES (A 16)<br>Fabio Martinon, Boston, USA        |
| 8:50 – 9:10   | <b>SY 716</b> DANGER, NLRs AND DELAYED TYPE HYPERSENSITIVITY IN THE SKIN (A 17)<br>Olivier Gaide, Geneva, Switzerland                               |
| 9:10 – 9:30   | <b>SY 717</b> URIC ACID AS A DANGER SIGNAL WITH ADJUVANT PROPERTIES (A 18)<br>Kenneth Rock, Worcester, USA  |
| 9:30 – 9:50   | <b>SY 718</b> INTRACELLULAR SENSORS OF VIRAL NUCLEIC ACIDS (A 413)<br>Simon Rothenfusser, Munich, Germany   |
| 9:50 – 10:10  | <b>SY 719</b> THE TREM-1/NLR SYNERGISM<br>Mihai Netea, Nijmegen, Netherlands  |
| 10:10 – 10:30 | <b>SY 720</b> GENETIC VARIATION IN NLR GENES: ROLE IN IMMUNITY AND INFLAMMATORY DISEASE (A 19)<br>Gabriel Nunez, Ann Arbor, USA                     |
| 10:30 – 10:50 | <b>SY 721</b> SELECTIVE NOD1 AGONISTS CAUSE SHOCK AND ORGAN INJURY/DYSFUNCTION IN VIVO<br>Jane A. Mitchell, London, United Kingdom                  |
| 10:50 – 11:10 | <b>SY 722</b> THE INFLAMMATORY CASPASES – KEY PLAYERS IN THE HOST RESPONSE TO PATHOGENIC INVASION AND SEPSIS (A 21)<br>Maya Saleh, Montreal, Canada |

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## Postinjury Life-Threatening Coagulopathy

**Moderators:** Bertil Bouillon, Cologne, Germany  
Ernest Moore, Denver, USA

11:30 – 11:50	<b>SY 724</b>	<b>ACUTE COAGULOPATHY</b> Karim Brohi, London, United Kingdom
11:50 – 12:10	<b>SY 723</b>	<b>THE PROBLEM: COAGULOPATHY OF POSTTRAUMATIC MASSIVE TRANSFUSION (PMT) (A 265)</b> Frederick Moore, Houston, USA
12:10 – 12:30	<b>SY 725</b>	<b>PATHOPHYSIOLOGY OF POSTINJURY COAGULOPATHY</b> Jeffrey H. Lawson, Durham, USA
12:30 – 12:50	<b>SY 726</b>	<b>DIAGNOSTIC TOOLS</b> Michael Spannagl, Munich, Germany
12:50 – 1:10	<b>SY 727</b>	<b>VALUE OF FIBRINOGEN IN TRAUMA BLEEDING (A 266)</b> Herbert Schoechl, Salzburg, Austria
1:10 – 1:30	<b>SY 728</b>	<b>ROLE OF RECOMBINANT FACTOR VIIA</b> Kenneth D. Boffard, Johannesburg, South Africa
1:30 – 1:50	<b>SY 729</b>	<b>HEMOSTATIC RESUSCITATION: MILITARY EXPERIENCE</b> John B. Holcomb, Fort Sam Houston, USA
1:50 – 2:10	<b>SY 730</b>	<b>MASSIVE TRANSFUSION PROTOCOL-CIVILIAN EXPERIENCE (A 267)</b> David Hoyt, Orange, USA



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## Age, Gender and Inflammation

**Moderators:** Martin K. Angele, Munich, Germany  
Irshad Chaudry, Birmingham, USA


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|-------------|--|
| 2:30 – 2:50 | <b>SY 731</b> ESTROGEN AND DISEASES<br>Kenneth Korach, Research Triangle Park, USA   |
| 2:50 – 3:10 | <b>SY 732</b> REGULATORY EFFECTS OF ESTROGEN IN LUNG<br>INFLAMMATORY RESPONSES (A 144)<br>Peter Ward, Ann Arbor, USA   |
| 3:10 – 3:30 | <b>SY 733</b> GENDER DIMORPHISM IN MYOCARDIAL ISCHEMIA<br>AND REPERFUSION INJURY (A 145)<br>Daniel Meldrum, Indianapolis, USA  |
| 3:30 – 3:50 | <b>SY 734</b> AGE DIFFERENCES IN THE INFLAMMATORY AND<br>HYPERMETABOLIC RESPONSE POST BURN<br>(A 146)<br>David N. Herndon, Galveston, USA                            |
| 3:50 – 4:10 | <b>SY 735</b> METABOLIC AND ENDOCRINE FUNCTIONS IN<br>ELDERLY (A 559)<br>John E. Morley, St. Louis, USA  |
| 4:10 – 4:30 | <b>SY 736</b> ESTROGEN, HEAT SHOCK PROTEINS AND<br>CARDIOVASCULAR SYSTEM (A 147)<br>Anne Knowlton, Davis, USA  |
| 4:30 – 4:50 | <b>SY 737</b> GENDER DIMORPHIC NEUTROPHIL ACTIVATION<br>FOLLOWING TRAUMA-HEMORRHAGIC SHOCK IN<br>BURN INJURIES<br>Edwin A. Deitch, Newark, USA                       |
| 4:50 – 5:10 | <b>SY 738</b> GENDER AND POST-INJURY IMMUNE AND<br>CARDIAC FUNCTIONS (A 148)<br>Martin K. Angele, Munich, Germany  |
| 5:10 – 5:30 | <b>SY 739</b> CONSIDERATION OF SEX AND SEX-STEROIDS IN<br>PERIOPERATIVE IMMUNOMONITORING USING A<br>WHOLE BLOOD APPROACH (A 149)<br>Heiko Trentzsch, Munich, Germany |

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## Challenges and Opportunities of High Throughput Technology: Genomics and Proteomics

**Moderators:** J Perren Cobb, St. Louis, USA  
Ronald G. Tompkins, Boston, USA

8:30 – 8:50	<b>SY 740a</b>	PLATFORMS FOR GENOMIC ANALYSIS Michael Mindrinos, Palo Alto, USA
8:50 – 9:10	<b>SY 740b</b>	HIGH THROUGHPUT TECHNOLOGY FOR PROTEOMICS Michael B. Yaffe, Cambridge, USA
9:10 – 9:30	<b>SY 741</b>	APPLYING HIGH THROUGHPUT TO CLINICAL PRACTICE – PLASTICITY OF SYSTEMIC INFLAMMATION (A 309) J Perren Cobb, St. Louis, USA
9:30 – 9:50	<b>SY 742</b>	BIOINFORMATIONAL CHALLENGES OF HIGH THROUGHPUT TECHNOLOGIES John D. Storey, Seattle, USA
9:50 – 10:10	<b>SY 743</b>	KNOWLEDGE-BASED ANALYSES OF GENOME-WIDE STUDIES (A 310) Wenzhong Xiao, Stanford, USA
10:10 – 10:30	<b>SY 744</b>	CHALLENGES OF HIGH THROUGHPUT TECHNOLOGIES IN CLINICAL MEDICINE Ronald G. Tompkins, Boston, USA

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## Validation of Genomics/Proteomics in Animal Models

**Moderators:** Irshad Chaudry, Birmingham, USA  
John A. Mannick, Boston, USA


- 10:30 – 10:50    **SY 745** COMPARISON OF LONGITUDINAL LEUKOCYTE GENE EXPRESSION AFTER BURN INJURY OR TRAUMA/HEMORRHAGE IN ANIMAL MODELS (A 367)  
John A. Mannick, Boston, USA
- 10:50 – 11:10    **SY 746** COMPARATIVE GENOMIC ANALYSIS IN HUMAN AND MURINE BURNS (A 368)  
Henry Baker, Gainesville, USA
- 11:10 – 11:30    **SY 747** COMMONALITY OF THE GENOMIC RESPONSE TO INJURY, ENDOTOXIN AND BURNS (A 369)  
Irshad Chaudry, Birmingham, USA
- 11:30 – 11:50    **SY 748** CELL SPECIFIC GENOMIC RESPONSES TO THERMAL INJURY (A 370)  
James Lederer, Boston, USA
- 11:50 – 12:10    **SY 749** CLASS PREDICTION USING HIGH THROUGHPUT PROTEINS  
Daniel Remick, Boston, USA
- 12:10 – 12:30    **SY 750** VARIABILITY AND UNIFORMITY-CHALLENGES OF COMPLEXITY AND MODEL ORGANISMS (A 371)  
J Perren Cobb, St. Louis, USA

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## Clinical Correlates of High Throughput Technology

**Moderators:** Ronald V. Maier, Seattle, USA  
Lyle L. Moldawer, Gainesville, USA


1:30 – 1:50	<b>SY 751</b>	GENOMIC ANALYSIS DURING CRITICAL ILLNESS Lyle L. Moldawer, Gainesville, USA
1:50 – 2:10	<b>SY 752</b>	EXPERIMENTAL ENDOTOXEMIA AND THE GENOMIC RESPONSE Stephen F. Lowry, New Brunswick, USA
2:10 – 2:30	<b>SY 753</b>	GENOMIC EXPRESSION AND OUTCOMES FOLLOWING SEVERE TRAUMA – MASSIVE TRANSFUSION IMPACT ON GENOMICS Ronald V. Maier, Seattle, USA
2:30 – 2:50	<b>SY 754</b>	PROLONGED CATABOLIC, INFLAMMATORY, AND GENOMIC CHANGES CHARACTERIZE THE HUMAN RESPONSE TO BURN INJURY (A 311) David N. Herndon, Galveston, USA
2:50 – 3:10	<b>SY 755</b>	GENOMIC RESPONSE DURING PEDIATRIC SEPSIS Hector R. Wong, Cincinnati, USA
3:10 – 3:30	<b>SY 756</b>	NEUTROPHIL GENOMICS AND ARDS Edward Abraham, Birmingham, USA

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## Ischemia-Reperfusion Injury - Damage Control and Organ Protection

**Moderators:** David Hoyt, Orange, USA  
Frederick Moore, Houston, USA

- 4:00 – 4:12      **OR 757** HEMORRHAGIC SHOCK IN THE PIG – A NEW FIBRIN-DERIVED PEPTIDE REDUCES LUNG AND HEART INJURY (A 212)  
Kai Zacharowski, Bristol, United Kingdom
- 4:12 – 4:24      **OR 758** SIGNIFICANT MYOCARDIAL PROTECTION IN SWINE VIA THE FIBRIN-DERIVED PEPTIDE B-beta 15-42 (A 213)  
Kai Zacharowski, Bristol, United Kingdom
- 4:24 – 4:36      **OR 759** BACTERIAL DNA REDUCES THE INFARCT SIZE OF AN ISCHEMIA/REPERFUSION INJURY IN THE HEART (A 214)  
Pascal Knuefermann, Bonn, Germany
- 4:36 – 4:48      **OR 760** EFFECT OF CALPAIN INHIBITION ON MYOCARDIAL INFARCTION FOLLOWING LOCAL ISCHEMIA AND REPERFUSION (A 215)  
Christiane Neuhof, Giessen, Germany
- 4:48 – 5:00      **OR 761** HMGB1 AND RAGE IN POST-ISCHEMIC BRAIN (A 216)  
Sajjad Muhammad, Heidelberg, Germany
- 5:00 – 5:12      **OR 762** GLYCOGEN SYNTHASE KINASE-3B INHIBITION ATTENUATES THE DEVELOPMENT OF ISCHEMIA/REPERFUSION INJURY OF THE GUT (A 217)  
Salvatore Cuzzocrea, Messina, Italy
- 5:12 – 5:18      **OP 763** AN ANTI-INFLAMMATORY PROTEIN, FETUIN, ATTENUATES CEREBRAL ISCHEMIC INJURY (A 218)  
Wei Li, Manhasset, USA
- 5:18 – 5:24      **OP 764** ROLE OF ECTO-5'-NUCLEOTIDASE IN PROTECTION AGAINST GASTROINTESTINAL ISCHEMIA/REPERFUSION INJURY (A 219)  
Melanie Hart, Tuebingen, Germany
- 5:24 – 5:30      **OP 765** GUT INJURY AND ASSOCIATED LUNG INJURY IS REDUCED IN FEMALE RATS FOLLOWING ISCHEMIA/REPERFUSION INJURY (A 220)  
Danielle Doucet, Newark, USA

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5:30 – 5:36	<b>OP 766</b> TETRAHYDROBIOPTERIN ATTENUATES MICROVASCULAR REPERFUSION INJURY FOLLOWING MURINE PANCREAS TRANSPLANTATION (A 221) Manuel Maglione, Innsbruck, Austria
5:36 – 5:42	<b>OP 767</b> TNF- $\alpha$ PRECONDITIONING OF HUMAN BONE MARROW MESENCHYMAL STEM CELLS DOES NOT IMPROVE STEM CELL ACUTE MYOCARDIAL PROTECTION AFTER ISCHEMIA/REPERFUSION (A 222) Troy Markel, Indianapolis, USA
5:42 – 5:48	<b>OP 768</b> LYMPHO-LYMPHONODULAR ANASTOMOSES, PROOF OF PATENCY BY INJECTION OF PATENT BLUE DYE – A STUDY IN A RAT MODEL (A 223) Jens Wallmichrath, Munich, Germany

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## Immunomodulation, Wound Healing, Cancer and Inflammation, Ischemia/Reperfusion, Innate Immunity

**Moderators:** Christian Schneider, Munich, Germany  
Jacob Wang, Oslo, Norway

- P 769** IS THERE A SEX DIFFERENCE IN HYPOXIC PULMONARY VASOCONSTRICTION? (A 436)  
Tim Lahm, Indianapolis, USA
- P 770** DEHYDROEPIANDROSTERONE (DHEA) DECREASES T-CELL RESPONSES IN SURGICAL PATIENTS (A 437)  
Johannes Dietz, Munich, Germany
- P 771** ORGAN BLOOD FLOW IS BETTER PRESERVED IN FEMALE RATS FOLLOWING TRAUMA/HEMORRHAGIC SHOCK (A 438)  
Vadim Pisarenko, Newark, USA
- P 772** SYSTEMIC ADMINISTRATION OF FUNCTIONALLY MODIFIED DENDRITIC CELLS IMPROVES OUTCOME TO SEPSIS (A 439)  
Kerri OMalley, Gainesville, USA
- P 773** TREM-1 POLYMORPHISMS AFFECTS IMMUNE RESPONSES AFTER BURN TRAUMA (A 440)  
Fernando Rivera, Dallas, USA
- P 774** CD4 EXPRESSING CELLS ARE EARLY MEDIATORS OF THE INNATE IMMUNE SYSTEM DURING SEPSIS (A 441)  
Johannes Tschoep, Cincinnati, USA
- P 775** WOUND HEALING- LOCAL LYMPHATIC SYSTEM DOWN-REGULATES REACTION TO MICROBES AND OWN ANTIGENS? (A 442)  
Waldemar Lech Olszewski, Warsaw, Poland
- P 776** THE ROLE OF PROMOGRAN PRISMA® ON THE EXCESSIVE INFLAMMATORY RESPONSE IN CHRONIC WOUNDS (A 443)  
Breda Cullen, North Yorkshire, United Kingdom

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- P 777** LOW RECRUITMENT OF IMMUNE CELLS AND PRESERVED EXPRESSION OF CYTOKINES AND GROWTH FACTORS IN THE MARGIN OF DIABETIC FOOT ULCERS (A 444)  
Hanna Galkowska, Warsaw, Poland
- P 778** HIGH DENSITY EXPRESSION PROFILING REVEALS PRONOUNCED MATRIX AND SIGNAL TRANSDUCTION GENE EXPRESSION INDUCED BY FIBRIN GLUE TREATMENT IN HUMAN GASTRIC ULCERS (A 445)  
Thorsten Pohle, Muenster, Germany
- P 779** FAST TRACK SURGERY OF RECURRENT PNEUMOTHORACES IN PATIENTS WITH CYSTIC FIBROSIS – SUPERIORITY OF MINIMALLY INVASIVE TISSUE MANAGEMENT (A 446)  
Roman Carbon, Erlangen, Germany
- P 780** ASSESSMENT OF HEMOSTATIC AGENTS FOR TRAUMATIC ARTERIAL HEMORRHAGE FOR THE BATTLEFIELD USE (A 447)  
Jian Wu, Singapore, Singapore
- P 781** CONTINUOUS VERSUS BOLUS INFUSION OF TERLIPRESSIN IN OVINE ENDOTOXEMIA (A 448)  
Matthias Lange, Muenster, Germany
- P 782** CORTICOSTEROIDES IN THE COMPLEX MANAGEMENT OF NECROTIZING PANCREATITIS (A 449)  
Andre Perejaslov, Lviv, Ukraina
- P 783** BENEFICIAL EFFECTS OF LONG TERM PROPRANOLOL THERAPY IN PEDIATRIC BURNS (A 450)  
William Norbury, Galveston, USA
- P 784** PERSISTING EFFECTS OF EXTENDED GROWTH HORMONE THERAPY IN SEVERELY BURNED CHILDREN ARE DOSE-RELATED (A 451)  
Rene Przkora, Galveston, USA
- P 785** THERAPEUTIC EFFECT OF AN ATIII PREPARATION ON PATIENTS WITH DIC AND A HIGH RISK FOR DEVELOPING ARDS (A 452)  
Hiroyasu Suga, Tokyo, Japan

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- P 786** KETOCONAZOLE REDUCES HYPERCORTISOLEMIA FOLLOWING SEVERE BURN (A 453)  
William Norbury, Galveston, USA
- P 787** ISOFLURANE MODULATES THE IMMUNOLOGICAL AND PHYSIOLOGICAL RESPONSES TO ENDOTOXEMIA IN SHEEP (A 454)  
Robert Frithiof, Stockholm, Sweden
- P 788** EFFECTS OF IgM ENRICHED SOLUTION ON PMN FUNCTION, BACTERIAL CLEARANCE AND LUNG HISTOLOGY IN ENDOTOXEMIA (A 455)  
Dirk Haufe, Dresden, Germany
- P 789** THE ANTI-INFLAMMATORY EFFECTS OF ULINASTATIN IN TRAUMATIC PATIENTS WITH A HEMORRHAGIC SHOCK (A 456)  
Lee Kang Hyun, Wonju, South Korea
- P 790** INHIBITION OF PLATELET ACTIVATION REDUCES ORGAN FAILURE IN PATIENTS WITH COMMUNITY ACQUIRED PNEUMONIA AND IN ENDOTOXIN SHOCK IN MICE (A 457)  
Ralf A. Claus, Jena, Germany
- P 791** INTERLEUKIN-1 LOCAL APPLICATION FOR THE THERAPY OF PATIENTS WITH CHRONIC BACTERIAL RHINOSINUSITIS (A 458)  
Andrey Simbirtsev, St.Petersburg, Russia
- P 792** RESUSCITATION WITH FRESH WHOLE BLOOD REDUCES COMPLEMENT ACTIVATION ASSOCIATED WITH HEMORRHAGE IN SWINE (A 459)  
Michael Dubick, San Antonio, USA
- P 793** IMPROVED SURVIVAL IN NEONATAL MICE WITH SEPSIS FOLLOWING TLR AGONIST TREATMENT (A 460)  
James Wynn, Gainesville, USA
- P 794** TREATMENT WITH ECTO-5'-NUCLEOTIDASE INHIBITS AGGREGATION (A 461)  
Melanie Hart, Tuebingen, Germany

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- P 795** ANTI-INFLAMMATORY ACTIVITY OF STEROIDAL SAPONINS (IND 002) ISOLATED FROM METHANOLIC EXTRACT OF FRUITS OF TRIBULUS TERRESTRIS (A 462)  
Badal Rathi, Pune, India
- P 796** IMPACT OF PERIOPERATIVE IMMUNONUTRITION AND STANDARD ENTERAL FEEDING ON IMMUNOLOGIC RESPONSE AFTER MAJOR PANCREATIC SURGERY (A 463)  
Robert Slotwinski, Warsaw, Poland
- P 797** THE ALTERED PROTEOME OF MESENTERIC LYMPH FOLLOWING HEMORRHAGIC SHOCK AND RESUSCITATION (A 464)  
Janeen Jordan, Denver, USA
- P 798** ASSOCIATION OF AORTA INTIMA PERMEABILITY WITH MYOSIN LIGHT CHAIN KINASE EXPRESSION IN HYPERCHOLESTEROLEMIC RABBITS (A 465)  
Yuan Wang, Hefei, China
- P 799** PREOPERATIVE SERUM MMP-9 AND TIMP-1 LEVELS AND THEIR RELATIONS TO BREAST CARCINOMA METASTASIS (A 466)  
Qiang Wu, Hefei, China
- P 800** FUNCTIONAL POLYMORPHISM OF THE ANTI-OXIDANT ENZYME NQO1\*2 IS MORE FREQUENT IN PROSTATE CARCINOMA AND LEADS TO LOWER LEVELS OF ANTI-OXIDANT IL-10 AND IL-13 (A 467)  
Marion Schneider, Ulm, Germany
- P 801** STUDY OF A NEW TUMOR MARKER EpCAM EXPRESSED AND CLINICAL VALUE IN GASTRIC CANCER (A 468)  
Yi Liu, Hefei, China
- P 802** A STUDY ON THE TUMOR MARKER FOR DIAGNOSING OVARIAN CANCERS BY TISSUE MICROARRAY AND PREPARATION OF MONOCLONAL ANTIBODY AGAINST ANTIGEN ASSOCIATED WITH OVARIAN CANCER (A 469)  
Zhenshan Xu, Hefei, China

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- P 803** EXPRESSION OF ENDOTHELIAL CELL SPECIFIC MOLECULE-1 IN LUNG CARCINOMA (A 470)  
Shuyu Gui, Hefei, China
- P 804** ELEVATION OF THE IMMUNOMODULATORY ENZYME INDOLEAMINE 2,3-DIOXYGENASE IN TUMOR CELLS FACILITATES IMMUNE ESCAPE AND LEADS TO ENHANCED METASTASES (A 471)  
Irmgard E. Kronberger, Innsbruck, Austria
- P 805** THIOREDOXIN, MIF AND REDOX OF THE MICROENVIRONMENT AFFECT GROWTH AND INVASIVENESS OF HUMAN LUNG CARCINOMA CELLS (A 472)  
Anna Rubartelli, Genova, Italy
- P 806** HEAT SHOCK TREATMENT OF SARCOMA CELLS – KINETICS OF HEAT SHOCK PROTEIN EXPRESSION (A 473)  
Katharina Tschoep, Munich, Germany
- P 807** EXPRESSION OF OCCLUDIN IN HUMAN HEPATOCELLULAR CARCINOMA (A 474)  
Yuan Wang, Hefei, China
- P 808** EXPRESSION AND THEIR CLINICAL SIGNIFICANCE OF OSTEOPONTIN AND OSTEOPONTIN mRNA IN LUNG CANCER (A 475)  
Shuyu Gui, Hefei, China
- P 809** THORACIC AORTIC OCCLUSION AND REPERFUSION: EFFECTS OF SEVOFLURANE AND PROPOFOL ON EXPERIMENTAL ISCHEMIA-REPERFUSION INJURY (A 476)  
Thorsten Annecke, Munich, Germany
- P 810** ATTENUATION OF MYOCARDIAL ISCHEMIA REPERFUSION INJURY BY ECTO-APYRASE (CD39) (A 477)  
David Koehler, Tuebingen, Germany
- P 811** PROTECTIVE ROLE OF ECTO-5'-NUCLEOTIDASE (CD73) IN RENAL ISCHEMIA (A 478)  
Almut Grenz, Tuebingen, Germany
- P 812** GENTAMICIN AND ANTI-IL-10 ANTIBODIES PROLONG SURVIVAL IN A CHRONIC INTRA-ABDOMINAL INFECTION MODEL (A 479)  
Andreas Lenz, Louisville, USA

<b>Greeting Messages</b>	<b>5 – 10</b>	<b>Greeting Messages</b>
<b>Societies and Boards</b>	<b>12 – 15</b>	<b>Societies and Boards</b>
<b>Congress Committees</b>	<b>18 – 19</b>	<b>Congress Committees</b>
<b>General Information, Scientific Information</b>	<b>22 – 28</b>	<b>General Information</b>
<b>Timetable</b>	<b>30 – 33</b>	<b>Timetable</b>
<b>Wednesday March 14<sup>th</sup>, 2007 Opening Ceremony</b>	<b>36 – 71 36</b>	<b>Wednesday</b>
<b>Thursday March 15<sup>th</sup>, 2007</b>	<b>74 – 120</b>	<b>Thursday</b>
<b>Friday March 16<sup>th</sup>, 2007</b>	<b>122 – 162</b>	<b>Friday</b>
<b>Saturday March 17<sup>th</sup>, 2007</b>	<b>164 – 176</b>	<b>Saturday</b>
<b>Social Program Acknowledgments, List of Exhibitors</b>	<b>178 – 179 180 – 182</b>	<b>Social Program</b>
<b>Invited Speakers and Moderators</b>	<b>184 – 202</b>	<b>Speakers and Moderators</b>
<b>Index of Active Participants Auditorium Area, Map of the Subway</b>	<b>204 – 211 215 – 216</b>	<b>Index of Active Participants</b>

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall I</b> 10:00 am – 1:00 pm	<b>Session 94</b> <b>SYMPOSIUM</b>	
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## Novel Insights in the Pathophysiology and Treatment of Pain

**Moderators:** Shahnaz Christina Azad, Munich, Germany  
Michael Schaefer, Berlin, Germany

- |               |  |
|---------------|--|
| 10:00 – 10:20 | <b>SY 813</b> MOLECULAR BIOLOGY AND IMAGING OF PAIN<br>Achim Berthele, Munich, Germany   |
| 10:20 – 10:40 | <b>SY 814</b> PAIN AND EMOTION<br>Harald C. Traue, Ulm, Germany  |
| 10:40 – 11:00 | <b>SY 815</b> THE ENDOCANNABINOID SYSTEM: A NOVEL TOOL<br>IN CONTROL OF PAIN AND FEAR?<br>Shahnaz Christina Azad, Munich, Germany                                |
| 11:00 – 11:20 | <b>SY 816</b> PAIN AND THE IMMUNE SYSTEM: THE ROLE OF<br>OPIOIDS<br>Michael Schaefer, Berlin, Germany  |
| 11:20 – 11:40 | <b>SY 817</b> TRANSIENT RECEPTOR POTENTIAL ION<br>CHANNELS AS TARGETS FOR OPIOID<br>ANALGESICS<br>Christian Zoellner, Berlin, Germany                            |
| 11:40 – 12:00 | <b>SY 818</b> CHRONIC PAIN AND PTSD AFTER TRAUMA AND<br>INTENSIVE CARE MEDICINE<br>Gustav Schelling, Munich, Germany   |
| 12:00 – 12:20 | <b>SY 819</b> ANALGESIC STRATEGIES IN PATIENTS WITH<br>MODS<br>Juergen Schuettler, Erlangen, Germany   |
| 12:20 – 12:40 | <b>SY 820</b> CENTRAL NEUROPLASTICITY IN COMPLEX<br>REGIONAL PAIN SYNDROME: A TARGET FOR<br>EARLY PHARMACOLOGICAL INTERVENTION?<br>Volker Hugel, Munich, Germany |



**Under the Auspices of the German Society for the  
Study of Pain (DGSS)**

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall II</b> 9:30 am – 12:30 pm	<b>Session 95</b> SYMP/FREE-CO	
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## Molecular Imaging (I) – Functional Imaging Beyond Morphology

**Moderators:** Thomas Helmberger, Luebeck, Germany  
Stefan Schoenberg, Munich, Germany

9:30 – 9:50	<b>SY 821</b>	HYBRID-IMAGING OF INFLAMMATION WITH SPEC/CT AND PET/CT Thorsten Kuwert, Erlangen, Germany
9:50 – 10:10	<b>SY 822</b>	MOLECULAR IMAGING OF MATRIX METALLOPROTEINASES IN VIVO – FUNDAMENTAL ASPECTS AND PRINCIPLE STRATEGY Klaus Kopka, Muenster, Germany
10:10 – 10:30	<b>SY 823</b>	REPORTER GENE IMAGING: BASIC PRINCIPLES AND APPLICATIONS Frank Berger, Munich, Germany
10:30 – 10:50	<b>SY 824</b>	DISEASE SPECIFIC IMAGING WITH WHOLE BODY MRI (A 350) Stefan Schoenberg, Munich, Germany
10:50 – 11:10	<b>SY 825</b>	IMAGING IN ARTHRITIS Andreas Wunder, Berlin, Germany
11:10 – 11:30	<b>SY 826</b>	FUNCTIONAL IMAGING OF THE LUNG Hans-Ulrich Kauczor, Heidelberg, Germany
11:30 – 11:50	<b>SY 827</b>	IMAGING OF BRAIN RECEPTORS (A 351) Wolf-Dieter Heiss, Cologne, Germany
11:50 – 12:10	<b>SY 828</b>	WHOLE-BODY MAGNETIZATION TRANSFER CONTRAST IMAGING Andreas Boss, Tuebingen, Germany
12:10 – 12:22	<b>OR 829</b>	CINE-MRI FOR DETECTION OF INTRAABDOMINAL ADHESIONS: CORRELATION WITH INTRAOPERATIVE FINDINGS IN 89 CONSECUTIVE CASES (A 352) Reinhold Lang, Munich, Germany

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**Supported with an Unrestricted Educational Grant of Siemens Medical Solutions**

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall II</b> 1:00 pm – 3:30 pm	<b>Session 96</b> <b>SYMPOSIUM</b>	
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## Molecular Imaging (II) – Cardiovascular Disorders

**Moderators:** Thorsten Kuwert, Erlangen, Germany  
Maximilian Reiser, Munich, Germany

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|-------------|---|
| 1:00 – 1:20 | <b>SY 830</b> INTRAVASCULAR OPTICAL COHERENCE TOMOGRAPHY – CHARACTERIZATION OF ATHEROSCLEROTIC PLAQUES (A 353)<br>Oliver Meissner, Munich, Germany                                      |
| 1:20 – 1:40 | <b>SY 831</b> INFLAMMATION IN CAROTID ATHEROSCLEROTIC PLAQUE: DYNAMIC CONTRAST-ENHANCED MR IMAGING<br>Williams Kerwin, Seattle, USA   |
| 1:40 – 2:00 | <b>SY 832</b> USPIOs AND PLAQUE INFLAMMATION<br>Simon P. S. Howarth, Cambridge, United Kingdom  |
| 2:00 – 2:20 | <b>SY 833</b> NONINVASIVE MAGNET RESONANCE IMAGING OF THE HIGH-RISK CAROTID ATHEROSCLEROTIC PLAQUE (A 556)<br>Tobias Saam, Munich, Germany  |
| 2:20 – 2:40 | <b>SY 834</b> QUANTIFICATION OF INFLAMMATION AND CARDIOVASCULAR DISEASE USING MICRO-ULTRASOUND AND CONTRAST AGENTS IN PRECLINICAL RESEARCH<br>Catherine Theodoropoulos, Toronto, Canada |
| 2:40 – 3:00 | <b>SY 835</b> FUNCTIONAL AND MORPHOLOGICAL EVALUATION OF THE STRESSED MYOCARDIUM (A 354)<br>Konstantin Nikolaou, Munich, Germany  |
| 3:00 – 3:20 | <b>SY 836</b> NEW DEVELOPMENTS IN CT WITH DUAL-ENERGY SYSTEMS<br>Hans-Christoph Becker, Munich, Germany   |

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<b>Saturday</b> March 17th, 2007	<b>Lecture Hall III</b> 10:00 am – 12:40 pm	<b>Session 97</b> <b>SYMPOSIUM</b>	
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## **Evolving Treatment for Serious Gram-Positive Infections**

**Moderators:** Joseph S. Solomkin, Cincinnati, USA  
Dennis L. Stevens, Boise, USA

10:00 – 10:20	<b>SY 837</b>	<b>INTRODUCTION</b> Joseph S. Solomkin, Cincinnati, USA
10:20 – 10:40	<b>SY 838</b>	<b>GRAM-POSITIVE GERMS IN SURGICAL INFECTIONS: SETTING THE STAGE (A 392)</b> Stefanos Geroulanos, Athens, Greece
10:40 – 11:00	<b>SY 839</b>	<b>VIRULENCE MECHANISMS OF GRAM-POSITIVES</b> Dennis L. Stevens, Boise, USA
11:00 – 11:20	<b>SY 840</b>	<b>PERSISTENCE IN STAPHYLOCOCCAL INFECTIONS: THE ROLE OF BIOFILM AND SCV-PHENOTYPE</b> Georg M. Peters, Muenster, Germany
11:20 – 11:40	<b>SY 841</b>	<b>PRECLINICAL AND EPIDEMIOLOGICAL EVALUATION OF IsdB: A POTENTIAL VACCINE TO PREVENT S. AUREUS INFECTIONS</b> Annaliesa Anderson, Westpoint, USA
11:40 – 12:00	<b>SY 842</b>	<b>MANAGEMENT OF MRSA SURGICAL INFECTIONS – RECENT LESSONS THAT HAVE BEEN LEARNED (A 393)</b> E. Patchen Dellinger, Seattle, USA
12:00 – 12:20	<b>SY 843</b>	<b>THE CLINICAL IMPLICATIONS OF SUSCEPTIBILITY TESTING OF GRAM-POSITIVE COCCI (A 394)</b> Susan Rehm, Cleveland, USA
12:20 – 12:40	<b>SY 844</b>	<b>CLINICAL RESULTS WITH NEW COMPOUNDS</b> Dieter Adam, Munich, Germany




**Supported with an Unrestricted Educational Grant of Novartis Infectious Diseases, Transplantation and Immunology**

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall III</b> 1:00 pm – 5:00 pm	<b>Session 98</b> <b>SYMPOSIUM</b>	
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## Challenges in Designing Randomized Trials in Trauma

**Moderators:** Bertil Bouillon, Cologne, Germany  
Frederick Moore, Houston, USA

- |             |   |
|-------------|---|
| 1:00 – 1:20 | <b>SY 845</b> OVERVIEW OF PROSPECTIVE RANDOMIZED TRIALS IN TRAUMA (A 380)<br>David Hoyt, Orange, USA  |
| 1:20 – 1:40 | <b>SY 846</b> PREHOSPITAL TRIALS: EXCEPTION FROM INFORMED CONSENT (A 381)<br>Ernest Moore, Denver, USA  |
| 1:40 – 2:00 | <b>SY 847</b> ENTRY CRITERIA<br>Timothy Coats, Leicester, United Kingdom  |
| 2:00 – 2:20 | <b>SY 848</b> STANDARDIZING CARE<br>Ronald V. Maier, Seattle, USA   |
| 2:20 – 2:40 | <b>SY 849</b> ENDPOINTS<br>John Marshall, Toronto, Canada   |
| 2:40 – 3:00 | <b>SY 850</b> EUROPEAN POLYTRAUMA STUDY ON THE MANAGEMENT OF FEMUR FRACTURES – A PROSPECTIVE RANDOMIZED MULTI CENTER INTERVENTION STUDY<br>Hans-Christoph Pape, Pittsburgh, USA |
| 3:00 – 3:20 | <b>SY 851</b> VALIDATION OF THE USE OF PRECLINICAL SONOGRAPHY FOR ABDOMINAL TRAUMA<br>Ingo Marzi, Frankfurt, Germany  |
| 3:20 – 3:40 | <b>SY 852</b> TRAUMA-TRIALS IN THE BATTLEFIELD<br>John B. Holcomb, Fort Sam Houston, USA  |
| 3:40 – 4:00 | <b>SY 853</b> A REGULATORY AGENCY'S PERSPECTIVE<br>Bengt Ljungberg, Uppsala, Sweden   |
| 4:00 – 4:20 | <b>SY 854</b> INVESTIGATOR'S PERSPECTIVES<br>Bertil Bouillon, Cologne, Germany  |

<p><b>Saturday</b>                  March 17th, 2007</p>	<p><b>Lecture Hall III</b>                  1:00 pm – 5:00 pm</p>	<p><b>Session 98</b>                  SYMPOSIUM</p>	
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4:20 – 4:40      **SY 855** INDUSTRY'S PERSPECTIVES  
 Bartholomew J. Tortella, Princeton, USA


4:40 – 5:00      Round Table Discussion



**Supported with an Unrestricted Educational Grant of Novo Nordisk**




**Under the Auspices of the German Society of Surgery and the German Society of Trauma Surgery**

<b>Saturday</b> <b>March 17th, 2007</b>	<b>Lecture Hall IV</b> <b>9:00 am – 10:40 am</b>	<b>Session 99</b> <b>SYMPOSIUM</b>	
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## **Inflammatory Bowel Disease – Update on Pathogenesis and Therapeutic Approaches**

**Moderators:** Thomas Ochsenkuehn, Munich, Germany  
Herbert Tilg, Hall/Tyrol, Austria

9:00 – 9:20	<b>SY 856</b> SHIFT OF PARADIGM IN IBD THERAPY Thomas Ochsenkuehn, Munich, Germany
9:20 – 9:40	<b>SY 857</b> PATHOGENETIC ASPECTS OF INFLAMMATION IN IBD Stephan Brand, Munich, Germany
9:40 – 10:00	<b>SY 858a</b> GENETIC DETERMINANTS OF INFLAMMATION IN IBD Severine Vermeire, Leuven, Belgium
10:00 – 10:20	<b>SY 858b</b> MODE OF FUNCTION OF IMMUNOSUPPRESSANT AGENTS (PURINANALOGUES, FOLIC ACID ANTAGONISTS) IN THE TREATMENT OF IBD Arthur Kaser, Innsbruck, Austria
10:20 – 10:40	<b>SY 859</b> MODE OF FUNCTION OF BIOLOGICAL ANTI-TNF-ALPHA AGENTS IN THE TREATMENT OF IBD Herbert Tilg, Hall/Tyrol, Austria

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall V</b> 8:30 am – 10:30 am	<b>Session 100</b> SYMPOSIUM	
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## Immunomonitoring of the Critically Ill

**Moderators:** Dietmar Fuchs, Innsbruck, Austria  
Gerd Schmitz, Regensburg, Germany


8:30 – 8:50	<b>SY 860</b> IMMUNE MONITORING OF THE CRITICALLY ILL – MAJOR TRAUMA (A 339) Martijn van Griensven, Vienna, Austria
8:50 – 9:10	<b>SY 861</b> PRELIMINARY RESULTS OF FABP FOR EARLY DIAGNOSIS OF ABDOMINAL TRAUMA (A 382) Borna Relja, Frankfurt am Main, Germany
9:10 – 9:30	<b>SY 862</b> BURN INJURY (A 551) Siegfried Zedler, Munich, Germany
9:30 – 9:50	<b>SY 863</b> SEPSIS Axel Nierhaus, Hamburg, Germany
9:50 – 10:10	<b>SY 864</b> THE ROLE OF PCR MICROBIOLOGY IN CRITICALLY ILL PATIENTS Konrad Reinhart, Jena, Germany
10:10 – 10:30	<b>SY 865</b> IMMUNE MONITORING OF THE CRITICALLY ILL – TRANSPLANTATION (A 340) Gerald Brandacher, Innsbruck, Austria



**Supported with an Unrestricted Educational Grant of DPC Biermann GmbH – A Siemens Company**



**Under the Auspices of the German Society for Clinical Chemistry and Clinical Laboratory Medicine and of the Austrian Society for Clinical Laboratory Medicine and Clinical Chemistry**

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall V</b> 10:45 am – 1:15 pm	<b>Session 101</b> <b>SYMPOSIUM</b>	
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## Biomarkers in Acute Inflammatory Disease

**Moderators:** Peter Fraunberger, Feldkirch, Austria  
Marianne Jochum, Munich, Germany


- 10:45 – 11:05    **SY 866** OVERVIEW  
Christian Meisel, Berlin, Germany
- 11:05 – 11:25    **SY 867** DIAGNOSTIC PANELS IN INFLAMMATORY DISEASE AND SEPSIS (A 305)  
Peter Fraunberger, Feldkirch, Austria
- 11:25 – 11:45    **SY 868** PROCALCITONIN  
Beat Muller, Basel, Switzerland
- 11:45 – 12:05    **SY 869** ENDOTOXIN: EVIDENCE FOR ITS PRESENCE IN DISEASE AND NON-DISEASE STATES  
Alex Romaschin, Toronto, Canada
- 12:05 – 12:25    **SY 870** BACTERIAL TOXINS AND CERAMIDE STRUCTURES AS ACTIVATORS OF DIFFERENTIAL RECEPTOR CLUSTERING IN CIRCULATING MONOCYTES (A 306)  
Gerd Schmitz, Regensburg, Germany
- 12:25 – 12:45    **SY 871** POLYMORPHISMS IN CANDIDATE GENES - A PRACTICAL (AND FEASIBLE) APPROACH TO GENETIC ASSOCIATION STUDIES USING HAPMAP DATA AND WEB-BASED TOOLS (A 307)  
Nicolas von Ahsen, Goettingen, Germany
- 12:45 – 1:05     **SY 872** MONITORING THE HOST RESPONSE IN SEPSIS: LESSONS LEARNED FROM GENE-EXPRESSION SIGNATURES  
Michael Bauer, Jena, Germany



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**Under the Auspices of the German Society for Clinical Chemistry and Clinical Laboratory Medicine and of the Austrian Society for Clinical Laboratory Medicine and Clinical Chemistry**

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall V</b> 1:30 pm – 4:30 pm	<b>Session 102</b> <b>SYMPOSIUM</b>	
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## Biomarkers in Chronic Inflammatory Disease

**Moderators:** Harald Renz, Marburg, Germany  
Dietrich Seidel, Munich, Germany


1:30 – 1:50	<b>SY 873</b> RHEUMATOLOGY/AUTOIMMUNE DISEASES Harald Renz, Marburg, Germany
1:50 – 2:10	<b>SY 874</b> ALLERGIC DISEASE Dominik Hartl, Munich, Germany
2:10 – 2:30	<b>SY 875</b> MULTIPLEX-SYSTEMS – DETERMINATION OF CYTOKINES Wolfgang Mayer, Munich, Germany
2:30 – 2:50	<b>SY 876</b> METABOLIC SYNDROME/DIABETES Maximilian von Eynatten, Munich, Germany
2:50 – 3:10	<b>SY 877</b> NEW ADIPOKINES IN THE MONITORING OF THE METABOLIC SYNDROME Matthias Blueher, Leipzig, Germany
3:10 – 3:30	<b>SY 878</b> CARDIOVASCULAR DISEASE Evangelos Giannitsis, Heidelberg, Germany
3:30 – 3:50	<b>SY 879</b> IMPACT OF n-3/n-6 FATTY ACID SUPPLEMENTED PARENTAL NUTRITION ON ADHESION MOLECULES IN SYSTEMIC INFLAMMATORY RESPONSE SYNDROME Martin Landsberger, Greifswald, Germany
3:50 – 4:10	<b>SY 880</b> INFLAMMATORY BOWEL DISEASE Herbert Tilg, Hall/Tyrol, Austria
4:10 – 4:30	<b>SY 881</b> IMMUNOMONITORING OF THE CRITICALLY ILL: CANCER (A 308) Dietmar Fuchs, Innsbruck, Austria



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Under the Auspices of the German Society for Clinical Chemistry and Clinical Laboratory Medicine and of the Austrian Society for Clinical Laboratory Medicine and Clinical Chemistry

<b>Saturday</b> <b>March 17th, 2007</b>	<b>Lecture Hall VII</b> <b>9:00 am – 11:00 am</b>	<b>Session 103</b> <b>SYMPOSIUM</b>	
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## **Surgical Site Infection: Can We Win the Battle?**

**Moderators:** William Cheadle, Louisville, USA  
Donald E. Fry, Chicago, USA

- |               |  |
|---------------|--|
| 9:00 – 9:20   | <b>SY 882</b> PATHOGENESIS OF SURGICAL SITE INFECTIONS<br>(A 429)<br>E. Patchen Dellinger, Seattle, USA                                    |
| 9:20 – 9:40   | <b>SY 883</b> WOUND INFECTIONS SEEN IN THE TRAUMA<br>PATIENT (A 430)<br>Christian Schinkel, Bochum, Germany                                |
| 9:40 – 10:00  | <b>SY 884</b> PREVENTION OF SURGICAL SITE INFECTIONS<br>Donald E. Fry, Chicago, USA  |
| 10:00 – 10:20 | <b>SY 885</b> CURRENT PROCEDURES IN THE OR TO MINIMIZE<br>THE RISK OF SURGICAL SITE INFECTIONS<br>Glen A. Franklin, Louisville, USA        |
| 10:20 – 10:40 | <b>SY 886</b> PREVENTION OF SURGICAL WOUND INFECTION<br>VIA MICROBIAL SEALING (A 431)<br>William Cheadle, Louisville, USA                  |
| 10:40 – 11:00 | <b>SY 887</b> THE IMPACT OF ACTIVE INTRA-OPERATIVE<br>THERMOREGULATION ON POST-OPERATIVE<br>OUTCOME<br>Michael Hilker, Regensburg, Germany |



**Supported with an Unrestricted Educational Grant  
of Kimberly-Clark**

<b>Saturday</b> March 17th, 2007	<b>Lecture Hall VII</b> 9:30 am – 11.50 am	<b>Session 104</b> <b>SYMPOSIUM</b>	
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## The VAC-System: Progressive Treatment of the Hostile Open Abdomen and Complicated Soft Tissue Defects

**Moderators:** Adrian Barbul, Baltimore, USA  
Rolf D. Weidenhagen, Munich, Germany

9:30 – 9:50	<b>SY 888</b>	THERAPEUTIC BENEFIT OF V.A.C.-SYSTEMS IN COMPLICATED POSTOPERATIVE CHEST WOUNDS Tim Strauss, Munich, Germany
9:50 – 10:10	<b>SY 889</b>	V.A.C. INSTILL – DRAINAGE AND LAVAGE IN WOUND INFECTION Gunnar Riepe, Koblenz, Germany
10:10 – 10:30	<b>SY 890a</b>	TREATMENT OF POST-TRAUMATIC ABDOMINAL COMPARTMENT SYNDROME USING THE V.A.C. SYSTEM Inneke De Laet, Antwerp, Belgium
10:30 – 10:50	<b>SY 890b</b>	Silver coated foam for V.A.C. therapy: Is a broader indication possible in septic wounds? Stathis J. Poulakidas, Chicago, USA
10:50 – 11:10	<b>SY 891</b>	V.A.C ABDOMINAL DRESSING – A RETROSPECTIVE STUDY IN THE TREATMENT OF THE OPEN ABDOMEN FOLLOWING SECONDARY PERITONITIS (A 569) Stefan Staettner, Vienna, Austria
11:10 – 11:30	<b>SY 892</b>	TREATMENT OF ANASTOMOTIC LEAKAGE: RESULTS IN ESOPHAGEAL SURGERY Rolf D. Weidenhagen, Munich, Germany
11:30 – 11:50	<b>SY 893</b>	TREATMENT OF COLORECTAL ANASTOMOTIC LEAKAGE Uwe Gruetzner, Cologne, Germany



**Supported with an Unrestricted Educational Grant of KCI**

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## Closing ceremony

**Moderators:** Eugen Faist, Munich, Germany  
Ronald V. Maier, Seattle, USA

- 5:00 – 5:10      **SY 894** CONFERENCE EVALUATION – SHORT FORM  
John Marshall, Toronto, Canada  
Ernest E. Moore, Denver, USA
- 5:10 – 5:15      **SY 895** FAREWELL ADDRESS  
Eugen Faist, Munich, Germany

<b>Greeting Messages</b>	<b>5 – 10</b>	<b>Greeting Messages</b>
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# Social Program

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**Tuesday, March 13<sup>th</sup>, 2007,**

**6:00 pm**

**Welcome reception** by invitation of the Bavarian State Minister of Science, Research and Arts,  
**Dr. Thomas Goppel**

Location: **Emperor's Hall of the Residence,  
Munich**

Fee: Free admission

**Wednesday, March 14<sup>th</sup>, 2007,**

**Carnaval da Inflamação (Brazilian Music Show,  
Dance and Dinner)**

Start: **7:00 pm**

Location: **Main Auditorium - Congress Venue**

Fee: Free admission, Tickets available at  
the event desk of the Congress  
Registration

Sensational voices and a pulsing rhythm group. Authentic Brazilian music on a top level. 'Aquarelas da Brasil' – the colours of Brazil – will enthuse the audience and convert the auditorium into a raving inferno with its sensational music show (Lambada, Samba, Forró).

**March 14<sup>th</sup>, 15<sup>th</sup> and 16<sup>th</sup>**

**Sightseeing Walking Tour Downtown Munich**

Start: **2:00 pm**

Meeting Point: Marienplatz at the column  
("Mariensäule") in front of the Town Hall

Fee: 30,- EUR/Person

You will discover the heart of Munich by walking around in the old city with its beautiful churches, the famous "Glockenspiel" in the Town Hall, the Marienplatz, the Viktualienmarkt (Open air food market), and the Royal Residence.

# Social Program

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Thursday, March 15<sup>th</sup>, 2007

## The 5 km TSIS-2007 Run

Start: **6:00 am**  
Meeting Point: Congress Office  
Fee: 20,- EUR/Person

As in 2004 we will organize a 5 km-run for all registrants of the meeting as well as their accompanying friends. The run will be organized in the **periphery of the hospital**. The runners will **meet** in front of the **Congress Registration Office at 6:00 am**, and will be brought by bus to the nearby RSC Sports Center (dressing and shower facilities available) where Start and Finish of the run are located.

**All runners must pre-register and sign the release form.** The form can be downloaded and may be handed in electronically or at the information desk of the conference bureau, not later than Wednesday evening. Special **T-shirts** commemorating this event will be given to all pre-registrants as well as to all competing registrants as far as the supplies will last. The **winners of the competition will be honoured** during the **Congress Gala** on Friday evening.

Friday, March 16<sup>th</sup>, 2007

## Congress Gala Evening

Start: 7:30 pm  
Place: Hotel Bayerischer Hof, Munich  
Fee: 135,- EUR/Person

On the last congress night we invite you to celebrate with us a very special **Gala Dinner and Entertainment** in the Ballroom of the famous Hotel Bayerischer Hof in downtown Munich.

The Winners of the **A.E. Baue-Research Award** will be announced and honoured.

Thereafter will be the right time for mouthwatering culinary- and musical delights. Two excellent Pop- and Rock Bands – the **R. van Lankeren Group & De La Cream** and the **New Grey Whistle Tone** – will make the ball room groove.....

# Acknowledgments

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The Organizing Committee would like to thank the following institutions and companies for their financial support. Without their valuable help this conference could not have been organized.

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# List of Exhibitors

as of February 26<sup>th</sup>, 2007

<b>Company</b>	<b>City, Country</b>	<b>Booth-No.</b>	
Active Motiv Europe s.a.	Rixensart , Belgium	51	Greeting Messages
Alexis Corporation	Lausen, Switzerland	5	Societies and Bords
AntibodyShop A/S	Gentofte, Denmark	40	Congress Committees
AstraZeneca GmbH	Wedel, Germany	7	Congress Committees
B. Braun Melsungen AG	Melsungen, Germany	20	Congress Committees
Bayer Healthcare AG	Leverkusen, Germany	3	General Information
BD Biosciences	Erembodegem, Belgium	35	General Information
Beckmann Coulter GmbH	Krefeld, Germany	41	General Information
Bender Med Systems GmbH	Vienna, Austria	14	General Information
BIOMOL GmbH	Hamburg, Germany	15	Timetable
BIO-RAD Laboratories GmbH	Munich, Germany	36	Timetable
Biotest AG	Dreieich, Germany	17	Timetable
BIOZOL Diagnostica Vertrieb GmbH	Elching, Germany	56	Wednesday
Birkhäuser Verlag AG	Basel, Switzerland	37	Wednesday
COOK	Bjaeverskov, Denmark	11	Wednesday
DPC Biermann GmbH – A Siemens Company	Bad Nauheim, Germany	21	Thursday
Essex Pharma	Munich, Germany	54	Thursday
Hakle-Kimberly Deutschland GmbH	Koblenz, Germany	34	Thursday
Hutchinson Technology Inc.	Arnhem, Netherlands	12	Friday
Invitrogen Ltd.	Paisley, United Kingdom	33	Friday
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Nycomed Pharma GmbH	Unterschleissheim, Germany	16	Speakers and Moderators
OROBOROS Instruments	Innsbruck, Austria	58	Speakers and Moderators
Pfizer Pharma GmbH	Karlsruhe, Germany	18	Speakers and Moderators

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Pulsion Medical Systems AG	Munich, Germany	4
R & D Systems GmbH	Wiesbaden, Germany	55
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Wyeth Pharma GmbH	Muenster, Germany	2

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<b>Societies and Boards</b>	<b>12 – 15</b>	<b>Societies and Boards</b>
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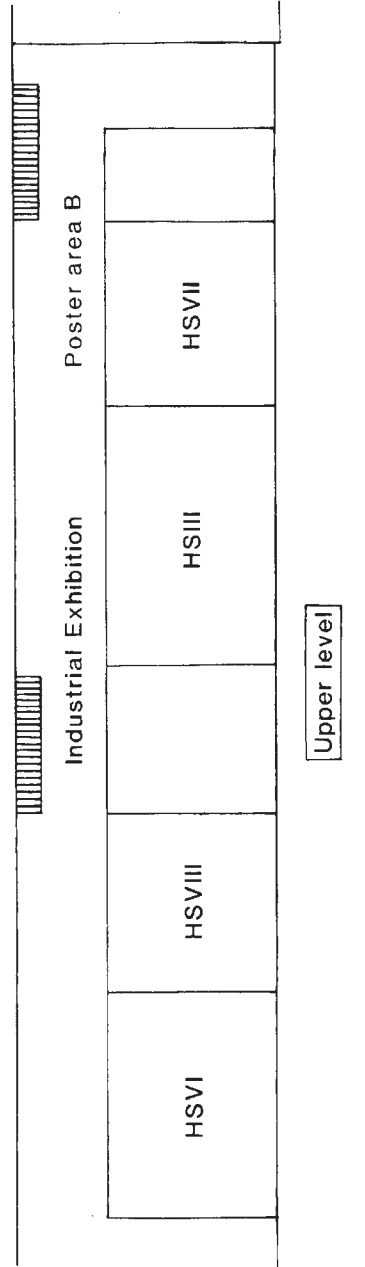
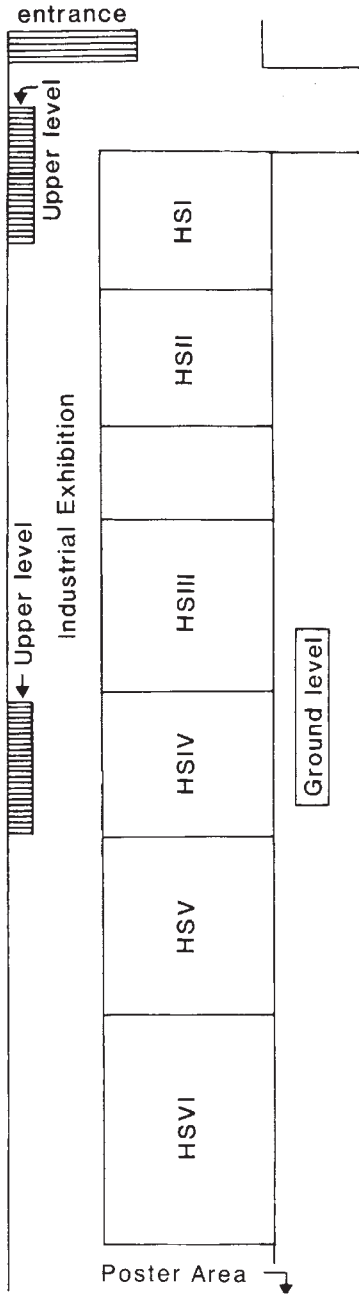
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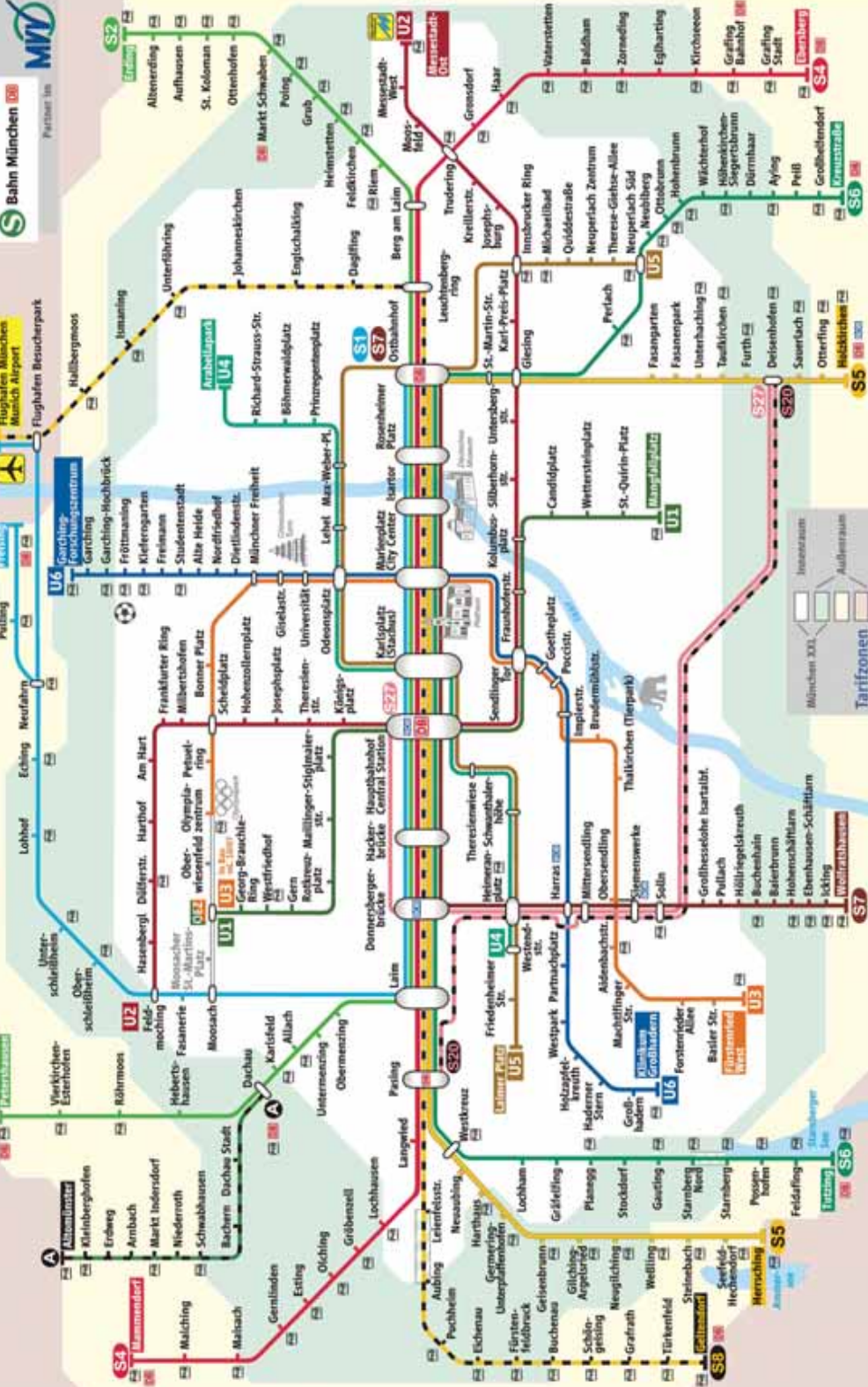
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# Auditorium Area





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