

# 7th World Congress on TRAUMA, SHOCK, INFLAMMATION AND SEPSIS – TSIS2007

March 13th – 17th, 2007,  
Munich, Germany

Interdisciplinary  
Summit  
on Inflammation

Call for Abstracts:  
Deadline: November 5<sup>th</sup>, 2006

## Information

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[www.TSIS2007.org](http://www.TSIS2007.org)



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## Invitation

Dear colleague,

We cordially invite you and your co-workers to attend and participate in the **7<sup>th</sup> World Congress on Trauma, Shock, Inflammation and Sepsis – TSIS 2007** – to be held in **Munich, Germany on March 13<sup>th</sup>-17<sup>th</sup>, 2007**.

The wide array of conference topics will include all major aspects of **cell and molecular biology, clinical pathophysiology, pharmacology, monitoring and imaging, intensive care and therapeutic approaches** within the congress theme. For this master class conference we will be gathering together basic scientists as well as clinicians and intensivists from around the world and will provide an enormous platform for the presentation and discussion of the most recent advances in medical science. This congress will, as our previous conferences, set the stage for what can be accomplished during the next years to come.

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 many diseases. Thus, during **TSIS 2007**, all major **disease entities** in which **inflammatory processes play a central role** shall be discussed. Symposia will be organized on the following subjects: **Mechanical and burn trauma, shock and reperfusion, transplantation, infection and sepsis – representing acute inflammation**.

Also most importantly, our current understanding of the **initiators, drivers and resolvers of sub-clinical chronic inflammatory diseases – metabolic syndrome, diabetes, atherosclerosis, autoimmunity (vasculitis, rheumatoid arthritis, chronic 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** in inflammation research as well to get introduced to new frontiers of the detection of acute and chronic organ dysfunction via **molecular imaging**.

We welcome the **submission of abstracts** with **innovative research work** to the program as oral- or poster presentations. We particularly encourage young researchers to present their recent scientific work. There will be the **young investigator award competition** – the **Arthur E. Baue Award** will then be given to the best of 10 Abstracts submitted to **TSIS 2007**.

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Around **100 program segments**, equally distributed between basic cell biology and pathophysiology topics and a wide array of more clinically oriented subjects have been chosen by the scientific committee to be covered in **plenary lectures, mini symposia, free communication sessions, poster discussions** as well as „**hands on**“-workshops. From this will come progress and better care of patients.

As in our previous conferences we will again provide a **superb social activities program** for the delegates and their accompanying friends during all days of the congress: we invite you to the **Lord Major's reception at the old Town Hall of Munich**, to a roaring evening of **Music and Entertainment – Classic meets Pop** – at the conference premises, furtheron there will be an early morning **5-km-run**, while finally on the last congress night a **Gala Dinner** with a wonderful **live music programme** will be hosted.

We kindly invite you to attend **TSIS 2007** and sense the unique beauty and the attractivity of **Munich**, the Bavarian capital, **one of the most beautiful cities of Western Europe** offering cultural wealth as well as warm-hearted hospitality.

**We look forward to your participation, we promise an unforgettable congress.**

The TSIS 2007 organizing committee **E. Faist, M.D., FACS**  
**Professor of Surgery**  
**Congress Chairman**  
**Department of Surgery**  
**Klinikum Grosshadern**  
**Ludwig Maximilians-**  
**University**  
**Munich, Germany**

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## Scientific Committee

### Chairman: E. Faist

Dept. of Surgery, LM University Munich, Klinikum Grosshadern

#### SCIENTIFIC COMMITTEE

- A. Aasen, Oslo, Norway  
E. Abraham, Denver, USA  
H.-J. Anders, Munich, Germany  
M. Angele, Munich, Germany  
D. Angus, Pittsburgh, USA  
H. Arbogast, Munich, Germany  
A. Ayala, Providence, USA  
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P. Boekstegers, Munich, Germany  
B. Bouillon, Cologne, Germany  
U. Brückner, Ulm, Germany  
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D. Fuchs, Innsbruck, Austria  
E. Gnaiger, Innsbruck, Austria  
D. Golenbock, Boston, USA  
C. Haass, Munich, Germany  
T. Hartung, Konstanz, Germany  
D.N. Herndon, Galveston, USA  
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G. Hoffman, Cleveland, USA  
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R. Issels, Munich, Germany  
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P. Matzinger, Bethesda, USA  
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W. Mutschler, Munich, Germany  
E. Neugebauer, Cologne, Germany  
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S. Opal, Providence, USA  
J. Oppenheim, Frederick, USA  
K.G. Parhofer, Munich, Germany  
H.-W. Pfister, Munich, Germany  
T. van der Poll, Amsterdam, The Netherlands  
A. Radbruch, Berlin, Germany  
P. Radermacher, Ulm, Germany  
H. Redl, Vienna, Austria  
H.P. Redmond, Cork, Ireland  
K. Reinhart, Jena, Germany  
M. Reiser, Munich, Germany  
H. Renz, Marburg, Germany  
E.T. Rietschel, Borstel, Germany  
M. Röllinghoff, Erlangen, Germany  
A. Rubartelli, Genoa, Italy  
U. Schade, Essen, Germany  
C. Schinkel, Bochum, Germany  
A.M. Schmidt, New York, USA  
C. Schneider, Munich, Germany  
D. Seidel, Munich, Germany  
M. Singer, London, U.K.  
M.V. Sitkovsky, Boston, USA  
J. Solomkin, Cincinnati, USA  
F. Stüber, Bonn, Germany  
A. Suffredini, Bethesda, USA  
M. Thiel, Munich, Germany  
C. Thiernemann, London, U.K.  
R.G. Tompkins, Boston, USA  
K. Tracey, Manhasset, USA  
H. Trentzsch, Munich, Germany  
J.L. Vincent, Bruxelles, Belgium  
H.-D. Volk, Berlin, Germany  
B. Vollmar, Rostock, Germany  
R. de Waal Malefyt, Palo Alto, USA  
P.A. Ward, Ann Arbor, USA  
R. Weidenhagen, Munich, Germany  
A. Wendel, Konstanz, Germany  
K. Werdan, Halle/Saale, Germany  
M. West, Chicago, USA  
S. Zedler, Munich, Germany
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## Scientific Program

### Tentative Topics

#### *I Cell Biology*

1. **In-vivo models** of inflammation
  2. **Endothelial dysfunction** and inflammation
  3. **Initiators, drivers and resolvers of inflammation**
  4. **Danger signals – PAMPs and DAMPs**
  5. **Endokines and alarmins**
  6. **RAGE – a multiligand receptor sensing danger**
  7. **Toll-like receptors** in inflammation: Update
  8. **TLR** signaling pathways for **non-bacterial pathogens**
  9. The **ubiquitin proteasome pathway** in inflammation
  10. Application of **genetics, genomics and proteomics** in **inflammation research**
  11. **Novel targets** in inflammation research
  12. **Hormonal changes** and inflammation
  13. **Hypoxia/Hyperoxia and inflammation: Good or bad?**
  14. **Iatrogenic components** that **boost** the inflammatory response
  15. How does inflammation **cause organ failure?**
  16. Contribution of **metabolic factors** to inflammatory processes
  17. **Immune suppression in trauma and SIRS: activators, mediators, compartments**
  18. **Collateral immunologic effects of trauma**
  19. **Innate immunity:**
    - Innate and adaptive elements of inflammation
    - Inducers and humoral components
    - Cellular components and receptors
    - **Signal transduction** and gene activation
    - **Injury and infection impact** on recognition and response of innate immune cells
  20. **PMN effector responses** and their signaling mechanisms: Implications with injury conditions
  21. **Mediators**
    - **HMGB I** in health and disease
    - Update on biochemistry and function of **new mediators**
    - Cytokine **knockout studies**
    - Novel **cytokines** and **pathways** in **allergic inflammation**
    - **IL-23 / IL-17** pathways of **autoimmune** inflammation–
    - **Fractalkine**
    - **Adipokines**
    - **Mediators in sepsis**
    - **Tumorigenic potential** of cytokines
  22. **Mitochondrial signaling** and free radical damage
  23. **APC's** and **regulatory T-cells** in inflammation
  24. Crucial role of **heat shock proteins** in inflammation
  25. **Nitrogen – and carbon oxides** in acute inflammatory states
  26. **Apoptosis/cell death** and inflammation
  27. Involvement of **NF- $\kappa$ B activity/inhibition** in immune cell activation
  28. **Mucosal immunity** – importance in critical illness
  29. **Arginine** as a regulator of the immune response
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## ***II Clinical Pathophysiology***

30. **Age, gender and inflammation**
31. Role of **coagulopathy** in **trauma management**
32. **Immunoinflammatory effects of fluid resuscitation**
33. **Interrelations between inflammation and coagulation** in injury and infection
34. **Ischemia/reperfusion injury (I/RP)** – Damage control and organ protection
35. **Ethylpyruvate for organ protection: Mode of action**
36. **Bone marrow dysfunction/failure** in shock, trauma, burns and sepsis
37. Advances in **wound healing: Physiology, growth factors, clinical progress**
38. **Anemia in the critically ill ICU patient: When and how to interfere?**
39. **Transplantation: Updates on immunoinflammation, postoperative monitoring and infection control**
40. The **proteolytic response** in sepsis and MODS
41. Chronic inflammation associated with the **metabolic syndrome**
42. **Lipid metabolism** and signaling in critical illness
43. **Inflammation in diabetic patients: Cause or consequence?**
44. **Insulin resistance** in ICU patients
45. **Nuclear receptors and metabolism**
46. **PPAR- $\alpha$ , PPAR- $\gamma$  and metabolism**
47. Inflammatory and infectious basis of **atherosclerosis**
48. Inflammation and **cardiac diseases**
49. **Acute Coronary Syndrome** – cell biologic features
50. Inflammation in **respiratory disorders**
51. Cellular mechanisms in **airways inflammation**
52. Immunologic mechanisms of **autoimmunity**
53. **Inflammatory bowel disease: Immune cells, mediators and genetic determinants**
54. Role of **intestinal – microbial interactions** in critical illness
55. Mechanisms of **gut mucosal inflammation**
56. **Cholinergic anti-inflammatory pathways**
57. **Danger signal recognition** in the **CNS**
58. Regulation of peripheral inflammation in the CNS
59. Role of inflammation for **neurodegeneration** and **neuroregeneration**
60. **Trauma associated neurodegeneration**
61. Inflammation and **stroke**
62. Neuroinflammatory mechanisms in **Alzheimer's disease**
63. Cellular and molecular events in **acute and chronic inflammatory pain**
64. **Pain and neurogenic inflammation**
65. The **inflammation – cancer** connection

## ***III Monitoring/Imaging***

66. **Trauma registries** – use and abuse
  67. **Evidence based concepts** in critical care medicine
  68. **Functional organ monitoring** in the critically ill
  69. **Early recognition of organ dysfunction** to prevent failure
  70. Usefulness of **scores in the ICU**
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71. **Complex systems analysis** in critical illness and injury
  72. Mathematical **modeling** of injury and inflammation
  73. **Biomarkers of chronic inflammation and cardiovascular risk**
  74. How to predict better disturbance of insulin sensitivity
  75. Analysis of **mitochondrial dysfunction** in stress
  76. **Biochip array** system technology
  77. **Immunomonitoring of ICU patients**
  78. **Rapid and sensitive detection of pathogens with PCR**
  79. **Functional genomics and proteomics:** Latest advancement and application in the field of **trauma, burns, critical illness and sepsis**
  80. **Microdialysis: Monitoring of metabolic activity** and disorders
  81. In-vivo and in-vitro **molecular imaging** in inflammatory diseases
  82. **Functional MR, CT and PET** in chronic and acute **organ dysfunction**
  83. **Intravascular imaging** of the cardiovascular system

#### ***IV Therapeutic Approaches***

84. **Damage control in trauma-** and **elective surgery**
  85. Essential concepts of **Fast Track Surgery**
  86. Innovative approaches for the **management of critical bleeding** in coagulopathic patients
  87. **Restoration of physiologic anticoagulant pathways in sepsis and DIC:** When is it a must?
  88. Prophylaxis and therapy of **thromboembolic events:**  
An update
  89. Prevention and therapy of the Acute Coronary Syndrome
  90. Preclinical and clinical trials of **new immunomodulatory therapeutic agents** in sepsis and inflammation
  91. **Multi-therapy in sepsis**
  92. Therapeutic potential and pitfalls of **NSAID's**
  93. Modulation of inflammation in **ARDS**
  94. **Pain therapy in critical care medicine**
  95. **Intraabdominal infections:** Update on pathophysiology and treatment
  96. Antibiotics as **anti-inflammatory and immunomodulatory agents**
  97. **Antibiotic and antifungal therapy** in surgery and critical care: **New agents** and therapeutic strategies
  98. **CMV infections** in transplantation and critical care
  99. Multimodal management of the patient with **metabolic syndrome**
  100. **Stem cell therapy** in acute and chronic inflammatory diseases
  101. Options for **gene therapy in inflammatory diseases**
  102. Immunosuppressive/biologic therapies in **inflammatory bowel disease**
  103. **TNF- $\alpha$  inhibitors**
  104. Anti-inflammatory and anti-infectious **drug eluting devices**
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## General Information

### Congress venue

Auditorium Section, Clinical Center Großhadern  
Marchioninistr. 15, D-81377 Munich, Germany

### Scientific Secretariat

Prof. Dr. Eugen Faist

Silvia Marth (Administrative Secretary)

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<http://www.tsis2007.org>

### Deadline for Submission of Abstracts:

November 5th, 2006. The **abstracts accepted** will be published in **Shock**.

**Congress Language:** The official language is **English**.

### Accreditation:

Provisions are made for the conference participants to be credited by the **Accreditation Council for Continuing Medical Education (ACME)** for 40 hours of category I of the Physicians Recognition Award of the American Medical Association.

Congress fee	Until Nov. 1 <sup>st</sup> 2006	Nov. 1 <sup>st</sup> – Mar. 5th	Onsite
Participants	€ 550,00	€ 650,00	€ 690,00
Residents/Students	€ 400,00	€ 450,00	€ 490,00
One-day ticket	€ 350,00	€ 350,00	€ 390,00

All **payments** have to be made in Euro (€). All major credit cards will be accepted. Bank account No. 27 11 230, HypoVereinsbank Munich, Bank code 700 202 70 (IBAN DE 95 700 202 700 002 7112 30). **Tuition** includes **access to all scientific sessions, abstract volume, coffee and lunch**.

### Deadline for pre-registration

Please note that the deadline for pre-registration is March 5<sup>th</sup>, 2007.

Registrations received after that date will be processed onsite only.

### Cancellations

Refunds of registration fees will be subject to a non refundable € 80,00 administration fee. **Requests for refunds** must be received in writing by the organizing secretariat by **January 10<sup>th</sup>, 2007**. No refunds will be made for cancellations received after that date. All refunds will be made after the congress.

### Hotel accommodation

As during the week of the conference there is a heavy demand for accommodation in Munich, **early reservation is strongly recommended**. Please make your booking together with your registration on the attached form. Please note that hotel rooms will be allocated on a 'first come first serve basis'.

Your **reservation will be confirmed** when **EUROKONGRESS** has received a **valid credit card** (name, number and expiry date; all major credit cards are accepted) to guarantee the hotel booking. Please settle your invoice directly with the hotel when checking out.

Changes or cancellations must be made in writing to **EUROKONGRESS**.

Please note that in case of total cancellation, in case of cancellation of single nights or no-show, the hotels reserves the right to change the full amount if the hotel room/room nights cannot be resold. Please address any reservation change, cancellation or inquiry to: [TSIS2007@eurokongress.de](mailto:TSIS2007@eurokongress.de)

### Organizing Secretariat

(Registration, Hotel accommodation, Travel arrangements)

**EUROKONGRESS**, Isartorplatz 3, D-80331 Munich, Germany

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Email: [TSIS2007@eurokongress.de](mailto:TSIS2007@eurokongress.de) · <http://www.eurokongress.de>

### Industrial Exhibition

A large exhibition with pharmaceutical and medical engineering industries will be held in the foyers of the Auditorium Section. For information and registration please contact **Eurokongress**.

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## Call for Abstracts

Clinical and basic scientists are encouraged to **submit an abstract of work** relating to the topics of the meeting for oral- or poster presentation.

Abstracts will be accepted in **electronic form only**.

### Instructions For Submitting Abstracts:

1. Abstracts must be **original work** that is not in submission to other meetings and that has not been previously published or is in submission elsewhere.
2. **Clearly state:** Purpose of Study, Methods, Exact Data, and Summary of Results.
3. The structured abstracts must be submitted **only by using the online abstract form** from the congress website under **[www.tsis2007.org](http://www.tsis2007.org)**

Please note that **all communications** regarding abstract submission and acceptance will be via **email**. It is imperative that the corresponding authors email remains current so that miscommunications can be avoided.

All abstracts accepted for presentation will be published in **Shock**.

**Deadline** for receipt of abstracts is **Sunday, November 5<sup>th</sup>, 2006**.

The authors will be informed of the **program committee's decision** by **December 30<sup>th</sup>, 2006**.

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**7th World Congress on  
TRAUMA, SHOCK, INFLAMMATION AND SEPSIS – Interdisciplinary Summit on Inflammation**  
March 13<sup>th</sup> – 17<sup>th</sup>, 2007 Munich, Germany

*Pre-registration deadline  
March, 5<sup>th</sup> 2007!*

**REGISTRATION FORM**

*Pre-registration deadline  
March, 5<sup>th</sup> 2007!*

Please complete (clearly legible) and send this form to  
**EUROKONGRESS, Isartorplatz 3, D-80331 Munich, Fax +49 (0)89 210 986 98**  
Please fill in one form for each participant, photocopy if needed

Family Name \_\_\_\_\_ First Name \_\_\_\_\_ Title \_\_\_\_\_  male  female

Institution \_\_\_\_\_ Department \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ Post Code \_\_\_\_\_

Country \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

HOME ADDRESS  ADDRESS OF INSTITUTION

I herewith register for the congress and book the following:

<b>Registration:</b>	<b>Until Nov. 1<sup>st</sup> 2006</b>	<b>Nov. 1<sup>st</sup> – Mar. 5<sup>th</sup></b>	<b>Onsite</b>	
Participant	<input type="checkbox"/> € 550,-	<input type="checkbox"/> € 650,-	<input type="checkbox"/> € 690,-	
Resident/Student	<input type="checkbox"/> € 400,-	<input type="checkbox"/> € 450,-	<input type="checkbox"/> € 490,-	
One-day ticket for March _____	<input type="checkbox"/> € 350,-	<input type="checkbox"/> € 350,-	<input type="checkbox"/> € 390,-	<b>Registration fee: € _____</b>

**Social Program**

<input type="checkbox"/> <b>Lord Mayor's Reception</b> (free of charge), March 13 <sup>th</sup>	€	x _____ person(s)	
<input type="checkbox"/> <b>Classic meets Pop Party</b> (free of charge), March 14 <sup>th</sup>	€	x _____ person(s)	
<input type="checkbox"/> <b>5 km run</b> , March 15 <sup>th</sup>	€ 20,-	x _____ person(s)	
<input type="checkbox"/> City tour on March <input type="checkbox"/> 14 <sup>th</sup> <input type="checkbox"/> 15 <sup>th</sup> <input type="checkbox"/> 16 <sup>th</sup>	€ 30,-	x _____ person(s)	
<input type="checkbox"/> <b>Congress Gala Evening</b> , March 16 <sup>th</sup>	€ 135,-	x _____ person(s)	<b>Social program: € _____</b>

**Hotel Accommodation**

<b>Category</b>	<b>Single</b>	<b>Double</b>	
<b>A</b>	<input type="checkbox"/> € 200,- bis 230,-	<input type="checkbox"/> € 230,- bis 260,- (prices are per room per night)	
<b>B</b>	<input type="checkbox"/> € 140,- bis 190,-	<input type="checkbox"/> € 175,- bis 210,-	
<b>C</b>	<input type="checkbox"/> € 100,- bis 140,-	<input type="checkbox"/> € 135,- bis 170,-	
<b>D</b>	<input type="checkbox"/> € 80,- bis 95,-	<input type="checkbox"/> € 100,- bis 130,-	

**= Total: € \_\_\_\_\_**

**Arrival Date:** \_\_\_\_\_ **Departure Date:** \_\_\_\_\_ **Number of Nights:** \_\_\_\_\_

Payment will be made by:  Bank transfer (HypoVereinsbank Munich, Account No.27 11 230, Bank code 700 202 70, IBAN DE 95 700 202 700 002 7112 30, SWIFT: HYVEDEMMXXX)

Credit card / I authorize EUROKONGRESS to debit my credit card number:

\_\_\_\_\_ Expiry date: \_\_\_\_\_

Signature: \_\_\_\_\_ CC Bearer: \_\_\_\_\_

