Final Programme
Dear Colleagues,

On behalf of our Society and the local organizing Committee I cordially invite you to the 43rd Annual Scientific Meeting of the European Society for Clinical Investigation. The meeting will take place in Frankfurt am Main, Germany, from April 1 – 4th, 2009, at the Campus Westend of the Johann Wolfgang Goethe-University.

Frankfurt is an important financial and economic center in Europe but at the same time a place of history and tradition in Germany. Nicknamed Mainhattan by many people Frankfurt brings together extremes and is characterized by a multicultural and tolerant life style. Its central location in the heart of Europe and Germany makes Frankfurt an important traffic hub, which can be easily reached. Europe’s second largest airport, Germany’s largest railway station, and the motorway connections allow a comfortable way of getting here from almost everywhere in Europe.

It is our aim to bring together scientists from both the clinical and the laboratory side which you will find as a principle in the programme of the meeting. We welcome basic science orientated workshops like the phagocyte group and more clinically based workshops with the main topics centering around endocrinology and metabolism, rheumatology and cardiovascular diseases. A new activity of ESCI – the clinical research courses – is presented with a workshop on translational research. Taken together we are looking at an excellent programme of highest standards in clinical research which will make the meeting very attractive.

Further details about the scientific programme and the location is accessible on the ESCI website www.esci.eu.com. For your online registration and more information about hotel reservation please look at www.esci2009.com.

We welcome you in Frankfurt in April!

PD Dr. W. A. Mann
President of the local organizing committee
Welcome to the 43rd Annual Scientific Meeting of the European Society for Clinical Investigation that will take place at the Westend Campus of the Johann Wolfgang Goethe-University in Frankfurt am Main, Germany, on April 1 – 4, 2009.

This year, the scientific program includes all aspects of advances in translational research in diverse fields, such as endocrinology, metabolism, diabetes, immunology, hematology, oncology, stem cells, rheumatology and cardiovascular diseases. Outstanding plenary speakers have been invited and a wealth of thematic workshops have been organised.

A young European biomedical researcher, Professor Josef Penninger of Austria, will receive the 2009 ESCI Award for Excellence in Biomedical Investigation, while the ESCI Leadership Albert Struyvenberg Medal is bestowed upon Professor Jo Marx, a true leader in European Clinical Investigation.

A quick glance of a new initiative of the ESCI – the development of a clinical research course entitled „Introduction to the Principles of Clinical Investigation“ – is presented with a workshop on translational research.

Enjoy Clinical Science and Frankfurt!

George P. Chrousos, MD, MACP, MACE, FRCP (London)
ESCI President
**ESCI MEMBERSHIP**

Being a member of the European Society of Clinical Investigation you will benefit from:

- a free subscription to our monthly journal, the European Journal of Clinical Investigation
- getting a 15% discount on all Blackwell Publishing books
- of course, registration to the annual congresses at the cheaper rate for ESCI members.

The membership rates are:

<table>
<thead>
<tr>
<th>Membership Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual membership</td>
<td>€ 110.–</td>
</tr>
<tr>
<td>Junior membership</td>
<td>€  55.–</td>
</tr>
<tr>
<td>Eastern-European members</td>
<td>€  25.–</td>
</tr>
</tbody>
</table>

You may apply for membership of ESCI online using the application form.

**Junior membership:** Any young scientist under the age of 30 can apply for junior membership of ESCI

- Junior membership is for a maximum of three (3) years
- Junior members receive the European Journal of Clinical Investigation and have the same financial benefits as full members
- Junior members are not allowed to vote during the Annual Business Meeting, receive no membership certificate and are not eligible for any office
- Junior members can apply for full membership at any time

If you want to apply for junior membership and you meet the above mentioned requirements, please complete the application form and send it to the honorary secretary-treasurer.

**Corporate membership**

Any company, corporation, organisation, or trust can apply for corporate membership in the Society. Applications shall be approved by the council.

**www.esci.eu.com**

**Central Office**

Mieke van Geffen, Jos Sperna Weiland
Bolognalaan 34
3584 CJ Utrecht
The Netherlands
phone +31 88 755 8787
fax +31 30 251 5724
e-mail esci@umcutrecht.nl
http://www.esci.eu.com/

**GENERAL INFORMATION**

**President of the Congress**

Priv.-Doz. Dr. W. Alexander Mann
Endokrinologikum Frankfurt
Stresemannallee 3
60596 Frankfurt/Main, Germany
alexander.mann@endokrinologikum.com

**Congress Secretariat**

Nicola Bock-Schildbach
Amselweg 7
61462 Königstein/Taunus, Germany
Phone: +49 (0)6174 / 93 35 95
Fax: +49 (0)6174 / 93 35 96
info@esci2009.com

**Date**

Wednesday, April 1, 2009 through Saturday, April 4, 2009

**Venue**

Campus Westend of the Johann Wolfgang Goethe-University
Casinobügele
Grüneburgplatz 1
60323 Frankfurt/Main

**Registration fee**

includes scientific programme, coffee breaks, abstracts supplement, get-together reception

<table>
<thead>
<tr>
<th>Registration and Payment</th>
<th>before</th>
<th>before</th>
<th>after</th>
</tr>
</thead>
<tbody>
<tr>
<td>for ESCI Members</td>
<td>€ 300.–</td>
<td>€ 350.–</td>
<td>€ 430.–</td>
</tr>
<tr>
<td>Non ESCI-Members</td>
<td>€ 380.–</td>
<td>€ 430.–</td>
<td>€ 500.–</td>
</tr>
<tr>
<td>Students/Young scientists (under 35 *)</td>
<td>€ 190.–</td>
<td>€ 240.–</td>
<td>€ 300.–</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* copy of official document required</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**One-day registration for**

- April 1, 4 € 50.– each day
- April 2, 3 € 180.– each day

The fee should be paid in Euro by bank transfer to Deutsche Bank, BLZ 500 700 24, Account: N. Bock-Schildbach, treuhänderisch w/ESCI 2009, Account-No. 4798617, IBAN: DE32500700240479861700, BIC: DEUTDEDB535, clearly stating the participants name or by Euro cheque to the C & P office or by credit card (Eurocard/Mastercard).
Cancellation
Refund of registration fee can be applied for until March 20th, 2009. After this date no refund will be possible.

Hotel reservation
For the ESCI-Congress hotels of different categories with easy access to the venue have granted special allotments for congress participants. Our reservation service is free of charge. To make a reservation, please apply direct via internet www.esci2009.com.
Tourismus+Congress GmbH Frankfurt am Main
Phone +49 (0) 69 / 21 23 87 03
Fax: +49 (0) 69 / 21 23 07 76
E-Mail: info@infofrankfurt.de
Internet: www.frankfurt-tourismus.de

Scientific and technical exhibition:
There will be an exhibition of pharmaceutical, diagnostic and medical companies in the foyer of the Casinogebäude.

Poster exhibition
The poster exhibition will be held in the foyer of the university building. Posters may be mounted from 15.00 hrs on Wednesday 1 April and must be dismantled at 13.00 hrs on Saturday 4 April. The organisers will take no responsibilities for left posters.
Poster viewing will be possible during coffee breaks and at lunch time from Thursday 2 to Saturday 4 April. Authors are requested to be present for discussion during these times.

Poster Awards
The four best posters (including workshop abstract/posters) will be awarded a Poster Award 2009 to the amount of Euro 250.- per poster. The presentation of the poster awards is scheduled for Friday 3 April, 15.00-15.15 immediately following the ESCI Award winning lecture.
All participants are kindly requested to attend this session.

Language
The official language of ESCI 2009 is English. No simultaneous translation will be available. English is widely spoken in Frankfurt, but the official language is German.

Publication
Accepted abstracts will be published in the European Journal of Clinical Investigation available during the congress.

ESCI AWARD

TO BE PRESENTED DURING THE
43rd ANNUAL SCIENTIFIC MEETING OF THE
EUROPEAN SOCIETY FOR CLINICAL INVESTIGATION (ESCI)
Frankfurt/Main, Germany, 1 – 4 April 2009

THE 2009 ESCI AWARD FOR EXCELLENCE IN
BIOMEDICAL INVESTIGATION

10,000 EURO

winner: Josef Penninger (Vienna, Austria)

Previous Winners of the Award

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1976</td>
<td>Jean-François Bach</td>
</tr>
<tr>
<td>1977</td>
<td>David JH Brock</td>
</tr>
<tr>
<td>1978</td>
<td>Lelio Orci</td>
</tr>
<tr>
<td>1979</td>
<td>Jens F Rehfeld</td>
</tr>
<tr>
<td>1980</td>
<td>Alberto Malliani</td>
</tr>
<tr>
<td>1981</td>
<td>Timothy J Peters</td>
</tr>
<tr>
<td>1982</td>
<td>GG Rousseau</td>
</tr>
<tr>
<td>1983</td>
<td>Fritz R Bühler</td>
</tr>
<tr>
<td>1984</td>
<td>Pierre Corvol &amp; J Menard</td>
</tr>
<tr>
<td>1985</td>
<td>Rolf M Zinkernagel</td>
</tr>
<tr>
<td>1986</td>
<td>Lars-Inge Larsson</td>
</tr>
<tr>
<td>1987</td>
<td>Gian Franco Bottazzo</td>
</tr>
<tr>
<td>1988</td>
<td>Anthony W Segal</td>
</tr>
<tr>
<td>1989</td>
<td>Daniel P Lew</td>
</tr>
<tr>
<td>1990</td>
<td>Douglas Roland Higgs</td>
</tr>
<tr>
<td>1991</td>
<td>René RP de Vries</td>
</tr>
<tr>
<td>1992</td>
<td>Roberto Montesano</td>
</tr>
<tr>
<td>1993</td>
<td>Thomas F Lüscher</td>
</tr>
<tr>
<td>1994</td>
<td>Bo Angelin</td>
</tr>
<tr>
<td>1995</td>
<td>Peter Valent</td>
</tr>
<tr>
<td>1996</td>
<td>Paolo Golino</td>
</tr>
<tr>
<td>1997</td>
<td>Irene Virgolini</td>
</tr>
<tr>
<td>1998</td>
<td>Anthony HV Schapira</td>
</tr>
<tr>
<td>1999</td>
<td>Guido Poli</td>
</tr>
<tr>
<td>2000</td>
<td>Seppo Ylä-Herttuala</td>
</tr>
<tr>
<td>2001</td>
<td>Hans C Clevers</td>
</tr>
<tr>
<td>2002</td>
<td>Hugh Edward Montgomery</td>
</tr>
<tr>
<td>2003</td>
<td>Raphael Scharffmann</td>
</tr>
<tr>
<td>2004</td>
<td>Allan Flyvbjerg</td>
</tr>
<tr>
<td>2005</td>
<td>Lars Fugger</td>
</tr>
<tr>
<td>2006</td>
<td>Michael Roden</td>
</tr>
<tr>
<td>2007</td>
<td>John PA Ioannidis</td>
</tr>
<tr>
<td>2008</td>
<td>László Nagy</td>
</tr>
</tbody>
</table>
## PRELIMINARY PROGRAMME SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Wednesday, April 1</th>
<th>Thursday, April 2</th>
<th>Friday, April 3</th>
<th>Saturday, April 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.30</td>
<td></td>
<td></td>
<td>Workshops: 08.30 – 13.00</td>
<td></td>
</tr>
<tr>
<td>10.00</td>
<td></td>
<td></td>
<td>Neuroendocrine Tumors I LH</td>
<td></td>
</tr>
<tr>
<td>10.30</td>
<td></td>
<td></td>
<td>Pediatric Endocrinology: LH</td>
<td></td>
</tr>
<tr>
<td>11.15</td>
<td></td>
<td></td>
<td>Growth Disturbances/Congenital Adrenal Hyperplasia I LH</td>
<td></td>
</tr>
<tr>
<td>13.00</td>
<td></td>
<td></td>
<td>Phagocyte Biology III LH</td>
<td></td>
</tr>
<tr>
<td>11.30</td>
<td>Registration &amp; Media Check</td>
<td>Plenary lecture K. Öberg, Sweden</td>
<td>Plenary lecture J. Dumanski, Sweden</td>
<td></td>
</tr>
<tr>
<td>14.00</td>
<td></td>
<td>Guided poster viewing exhibition</td>
<td>Annual Business Meeting ESCI LH</td>
<td>End of Conference</td>
</tr>
<tr>
<td>13.30</td>
<td></td>
<td>lunch</td>
<td>Guided poster viewing exhibition</td>
<td>Welcome to ESCI 2010 in Italy</td>
</tr>
<tr>
<td>14.00</td>
<td></td>
<td></td>
<td>lunch</td>
<td></td>
</tr>
<tr>
<td>14.15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.00</td>
<td>ESCI Council Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:45</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:45</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.30</td>
<td>Opening Ceremony Plenary lecture J.-A. Gustafsson, Sweden</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ROOMS

<table>
<thead>
<tr>
<th>LH Lecture Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room 1801 ...</td>
</tr>
</tbody>
</table>
### Thursday, April 2, 8.30 – 13.00

#### Room 1801

**Rheumatology: Mesenchymal Signaling I**

**Organizers**
- Ulf Müller-Ladner (Bad Nauheim, Germany)
- Harald Burkhardt (Frankfurt, Germany)

**Chairs**
- Brigitte Krummel-Lorenz (Frankfurt, Germany)
- Ulf Müller-Ladner (Bad Nauheim, Germany)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30 – 09.00</td>
<td>The potential of adipocytokines in driving immunological processes</td>
</tr>
<tr>
<td></td>
<td>Andreas Schäffler (Regensburg, Germany)</td>
</tr>
<tr>
<td>09.00 – 09.30</td>
<td>Inhibiting of proinflammatory cytokines = mesenchymal protection</td>
</tr>
<tr>
<td></td>
<td>Hanns-Martin Lorenz (Heidelberg, Germany)</td>
</tr>
<tr>
<td>09.30 – 10.00</td>
<td>Molecular imaging of mesenchymal inflammation</td>
</tr>
<tr>
<td></td>
<td>Ingo Tarner (Giessen/Bad Nauheim, Germany)</td>
</tr>
<tr>
<td>10.15 – 11.15</td>
<td>Advances in osteoimmunology</td>
</tr>
<tr>
<td></td>
<td>Thomas Pap (Münster, Germany)</td>
</tr>
<tr>
<td>11.15 – 11.45</td>
<td>Break and Plenary lecture (see page 10)</td>
</tr>
<tr>
<td>11.45 – 12.15</td>
<td>Advances in osteoimmunology</td>
</tr>
<tr>
<td></td>
<td>Oliver Eickelberg (Giessen, Germany)</td>
</tr>
<tr>
<td>12.15 – 12.45</td>
<td>Interfering with cellular communication – CTLA4Ig as prototype principle</td>
</tr>
<tr>
<td></td>
<td>Andrea Rubbert (Köln, Germany)</td>
</tr>
<tr>
<td></td>
<td>Discussion and wrap-up (all speakers)</td>
</tr>
</tbody>
</table>

---

### Wednesday, April 1, 19.00 – 20.00

**Clinical Implications of the New Biology of Estrogen Action**
- Jan-Ake Gustafsson (Stockholm, Sweden)

---

### Thursday, April 2, 10.30 – 11.15

**Chair:** Eva Tiensuu Janson (Uppsala, Sweden)

**Advances in the Management of Neuroendocrine Tumors**
- Kjell Öberg (Uppsala, Sweden)

---

### Thursday, April 2, 14.00 – 14.45

**Chair:** Attila Mocsai (Budapest, Hungary)

**Myeloid Leukocyte Recruitment in Inflammation**
- Klaus Ley (La Jolla, USA)

---

### Friday, April 3, 10.30 – 11.15

**Chair:** Ashley B. Grossmann (London, UK)

**How Common is Somatic Mosaicism for Copy Number Variations?**
- Jan Dumanski (Uppsala, Sweden)

---

### Friday, April 3, 14.00 – 15.00

**Chairs:**
- George Chrousos (Athens, Greece)
- Alexander Mann (Frankfurt, Germany)

**Genetic modelling of human disease**
- ESCI Award Winner 2009
- Josef Penninger (Vienna, Austria)

---

### Saturday, April 4, 10.30 – 11.15

**Chair:** Alexander Mann (Frankfurt, Germany)

**New Insights in Postprandial Metabolism**
- Ulrike Beisiegel (Hamburg, Germany)

---

### Thursday, April 2, 8.30 – 13.00

**Neuroendocrine Tumors I**

**Organizers**
- Eva Tiensuu Janson (Uppsala, Sweden)
- Bertram Wiedenmann (Berlin, Germany)
- Marianne Pavel (Berlin, Germany)
- Jörg Bojunga (Frankfurt, Germany)

**Chairs**
- Irvin Modlin (New Haven, USA)
- Bertram Wiedenmann (Berlin, Germany)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30 – 09.00</td>
<td>Utility of principal component analysis of neuroendocrine tumor cell transcripts in the assessment and prediction of tumor invasion and metastasis</td>
</tr>
<tr>
<td></td>
<td>I. Modlin (New Haven, USA)</td>
</tr>
<tr>
<td>09.00 – 09.20</td>
<td>Angiogenesis and angiogenic switch</td>
</tr>
<tr>
<td></td>
<td>C. Fischer (Berlin, Germany)</td>
</tr>
<tr>
<td>09.20 – 10.00</td>
<td>Advances in osteoimmunology</td>
</tr>
<tr>
<td></td>
<td>Thomas Pap (Münster, Germany)</td>
</tr>
<tr>
<td>10.15 – 11.15</td>
<td>Break and Plenary lecture (see page 10)</td>
</tr>
<tr>
<td>11.15 – 11.45</td>
<td>Advances in osteoimmunology</td>
</tr>
<tr>
<td>11.45 – 12.15</td>
<td>Perivascular remodelling and fibrosis</td>
</tr>
<tr>
<td>12.15 – 12.45</td>
<td>Interfering with cellular communication – CTLA4Ig as prototype principle</td>
</tr>
<tr>
<td></td>
<td>Andrea Rubbert (Köln, Germany)</td>
</tr>
<tr>
<td></td>
<td>Discussion and wrap-up (all speakers)</td>
</tr>
</tbody>
</table>

---

### Thursday, April 2, 10.30 – 11.15

**Chair:** Kjell Öberg (Uppsala, Sweden)

**Advances in the Management of Neuroendocrine Tumors**
- Kjell Öberg (Uppsala, Sweden)

---

### Friday, April 3, 14.00 – 15.00

**Chairs:**
- George Chrousos (Athens, Greece)
- Alexander Mann (Frankfurt, Germany)

**Genetic modelling of human disease**
- ESCI Award Winner 2009
- Josef Penninger (Vienna, Austria)

---

### Saturday, April 4, 10.30 – 11.15

**Chair:** Alexander Mann (Frankfurt, Germany)

**New Insights in Postprandial Metabolism**
- Ulrike Beisiegel (Hamburg, Germany)
Tumor microenvironment: The role of hypoxia and inflammation in flipping the angiogenic switch
T. Cramer (Berlin, Germany)

RT-PCR and supervised machine learning strategies in NET tissue evaluation for prediction of NET metastasis and prognosis
M. Kidd (New Haven, USA)

Coffee break

Plenary lecture:
Advances in the management of neuroendocrine tumors
K. Öberg (Uppsala, Sweden)

Expressing of new targets for therapy
B. Wiedenmann (Berlin, Germany)

Novel approaches to overcome resistance to mTOR inhibitors
C. Auernhammer (Munich, Germany)

Immunotherapy in endocrine cancer
M. Schott (Düsseldorf, Germany)

Stem Cell Therapy in Cardiology

Organizers
Andreas Zeiher (Frankfurt, Germany)
Birgit Assmus (Frankfurt, Germany)

Chairs
Stefan Janssens (Leuven, the Netherlands)
Andreas M. Zeiher (Frankfurt, Germany)

State of the Art
Clinical trials in regenerative cardiac therapy
Stefan Janssens (Leuven, the Netherlands)

Mechanisms of stem cell therapy and future prospects
Birgit Assmus (Frankfurt, Germany)

The role of cells adhesions in the heart development
O.O. Piven (Kyiv, Ukraine)

Cell isolation protocols:
Effects on functionality and regulatory aspects
Torsten Tonn (Frankfurt, Germany)

Possibility to visit GMP facility
DRK Blutspendedienst Baden-Württemberg-Hessen
Sandhofstr. 1, 60528 Frankfurt/Main

Mechanisms of leukocyte migration through the blood vessel wall
Dietmar Vestweber (Münster, Germany)

Endothelial adhesion receptors are recruited to adherent leukocytes by inclusion in preformed tetraspanin nanoplatforms
Francisco Sanchez Madrid (Madrid, Spain)

The mammalian actin binding protein 1 (mAbp1) is required for firm arrest and intraluminal crawling of neutrophils
B. Walzog (Munich, Germany)

A role for α5β1 integrin in leukocyte accumulation in acute peritonitis
A.L.F. Sampaio (London, UK)

Integrin-dependent and independent functions of cytohesin-1 in dendritic cell adhesion and migration
Waldemar Kolanus (Bonn, Germany)

Infiltrated neutrophils acquire novel chemokine receptor expression and chemokine responsiveness in chronic inflammatory lung diseases
D. Hartl (Munich, Germany)

Duffy antigen/receptor for chemokines transports chemokines and supports their pro-migratory activity „in vitro“ and „in vivo“
M. Prünster (Vienna, Austria)

In vivo imaging and quantitative analysis of leukocyte directional migration and polarization in inflamed tissue
Alexander G. Khandoga (Munich, Germany)
Thursday, April 2, 15.00 – 18.00

**Rheumatology: Mesenchymal Signaling II**

**Organizers**
- Ulf Müller-Ladner (Bad Nauheim, Germany)
- Harald Burkhardt (Frankfurt, Germany)

**Chairs**
- Harald Burkhardt (Frankfurt, Germany)
- Thomas Pap (Münster, Germany)

**15.00 – 15.30**
- Epigenetics – more than just „Modification“
  - Jörg Distler (Erlangen, Germany)

**15.30 – 16.00**
- B-cells as therapeutic target in connective tissue diseases
  - Henrik Mei (Berlin, Germany)

**16.15 – 16.45**
- Coffee break

**16.45 – 17.15**
- Receptor tyrosine kinase inhibitors on the verge
  - Nico Hunzelmann (Köln, Germany)

**17.15 – 17.45**
- Anti-RANKL as therapeutic principle
  - Elena Neumann (Giessen/Bad Nauheim, Germany)
- Discussion and wrap-up (all speakers)

Thursday, April 2, 15.00 – 18.00

**Neuroendocrine Tumors II**

**Organizers**
- Eva Tiensuu Janson (Uppsala, Sweden)
- Bertram Wiedenmann (Berlin, Germany)
- Marianne Pavel (Berlin, Germany)
- Jörg Bojunga (Frankfurt, Germany)

**Chairs**
- Eva Tiensuu Janson (Uppsala, Sweden)
- Mark Kidd (New Haven, USA)

**15.00 – 15.30**
- Phagocyte signaling via Lyn and autoimmunity
  - Clifford Lowell (San Francisco, USA)

**15.30 – 15.45**
- The Role of RhoG in the regulation of the neutrophil NADPH oxidase
  - G. Damoulakis (Cambridge, UK)

**15.45 – 16.00**
- Identification and characterization of a novel gain-of-function splice variant of Fc gamma receptor IIa
  - J. van der Heijden (Amsterdam, the Netherlands)

**16.00 – 16.15**
- Key role of the intracellular ITAM tyrosines of Fc-receptor γ-chain in neutrophils
  - T. Németh (Budapest, Hungary)
Friday, April 3, 8.30 – 13.00

**Neuroendocrine Tumors III**

Lecture Hall

**Organizers**
- Eva Tiensuu Janson (Uppsala, Sweden)
- Bertram Wiedenmann (Berlin, Germany)
- Marianne Pavel (Berlin, Germany)
- Jörg Bojunga (Frankfurt, Germany)

**Chairs**
- Bertram Wiedenmann (Berlin, Germany)
- Kjell Öberg (Uppsala, Sweden)

**08.30 – 09.00**
- The evolution of treatment in neuroendocrine tumors
  - Kjell Öberg (Uppsala, Sweden) _206_

**09.00 – 09.30**
- Value of Somatostatin analogues in the management of neuroendocrine tumors
  - M. Pavel (Berlin, Germany) _206_

**09.30 – 09.45**
- Survival and clinical characteristics in 284 patients with midgut carcinoid tumors
  - S. Welin (Uppsala, Sweden) _207_

**09.45 – 10.00**
- Intra-abdominal fibrosis in a modern cohort of patients with midgut carcinoid tumours – a cross-sectional survey from one centre
  - M.R. Druce (London, UK) _206_

**10.00 – 10.30**
- Coffee break

**10.30 – 11.15**
- Plenary lecture (see page 10)

---

**Friday, April 3, 8.30 – 13.00**

Room 1801

**Pediatric Endocrinology I: Congenital Adrenal Hyperplasia**

**Organizers**
- Annette Richter-Unruh (Wattenscheid, Germany)
- Stenvert Drop (Rotterdam, the Netherlands)
- Hedi Claahsen (Nijmegen, the Netherlands)

**Diagnostic and treatment options**

**08.30 – 09.00**
- Prenatal Diagnosis of CAH
  - A. Richter-Unruh (Bochum, Germany) _208_

**09.00 – 09.30**
- Differential diagnosis of disorders in steroid metabolis
  - S. Wudy (Gießen, Germany) _208_

**09.30 – 10.00**
- Gender dysphoria and gender change in chromosomal females with congenital adrenal hyperplasia
  - A.B. Dessens (Rotterdam, the Netherlands) _208_

**Long term complications**

**11.15 – 12.00**
- Male infertility in CAH
  - H.Claahsen (Nijmegen, the Netherlands) _208_

**12.00 – 12.30**
- Female infertility in CAH
  - N. Stikkelbroeck (Nijmegen, the Netherlands) _208_

**12.30 – 13.00**
- Cardiovascular complications in CAH
  - C. Mooij (Nijmegen, the Netherlands) _208_
ScienTifIc prograMme / woRkShops  Friday, April 3, 2009

Friday, April 3, 8.30 – 13.00  Room 1812

Phagocyte Biology III –
Host Pathogen Interactions and Inflammation

Organizers
Attila Mocsai (Budapest, Hungary)
Barbara Walzog (München, Germany)
Markus Sperandio (München, Germany)

Chairs
Nicolas Demaurex (Geneva, Switzerland)
Arturo Zychlinski (Berlin, Germany)

08.30 – 09.00  Neutrophil extracellular traps
Arturo Zychlinski (Berlin, Germany)  617

09.00 – 09.15  Phagosome membrane modification can allow the interaction between ingested material and cytosol in mast cells
E. Trevisan (Trieste, Italy)  618

09.15 – 09.30  Neutrophil function and clinical correlates of 998 pediatric and adult patients with recurrent infections: the Israeli report
S. Berger-Achituv (Kfar Saba, Israel)  619

09.30 – 10.00  Business Meeting Phagocyte Group

10.00 – 11.15  Coffee break + Plenary lecture (see page 10)

Chairs
Arturo Zychlinski (Berlin, Germany)
Claes Dahlgren (Göteborg, Sweden)

11.15 – 11.45  Structure and function of the group of pattern recognition receptors of the formyl peptide receptor family
Claes Dahlgren (Göteborg, Sweden)  620

11.45 – 12.00  Regulation of the phagocyte NADPH oxidase activity: Phosphorylation of gp91phox/NOX2 by protein kinase C enhances its diaphorase activity and binding to Rac2, p67phox and p47phox
J. El-Benna (Paris/Grenoble, France/Bozeman, USA)  621

12.00 – 12.15  Ablation of the Hv1 proton channel blunts store-operated Ca2+ influx in neutrophils
A. El Chemaly (Geneva, Switzerland)  622

12.15 – 12.30  Chronic granulomatous disease in Israel: Clinical, functional and molecular studies of 43 patients
B. Wolach (Kfar Saba/Tel Aviv, Israel)  623

12.30 – 12.45  Activation of melanocortin receptor type 3 as a new strategy to control experimental and rheumatoid arthritis
H.B. Patel (London, UK)  624

serum amyloid a induces neutrophil activation in vitro but lacks activating capacity in circulation of patients with rheumatoid arthritis
L. Björkman (Gothenburg, Sweden)  625

Friday, April 3, 11.15 – 13.00  Room 1811

Introduction to Translational Research

Organizers
George Chrousos (Athens, Greece)
John Ioannidis (Ioannina, Greece)

Chairs
David Schteingart (Ann Arbor, USA)
John Ioannidis (Ioannina, Greece)

11.15 – 11.40  Introduction to Translational Research
David Schteingart (Ann Arbor, USA)

11.40 – 12.05  Design and Bias Issues in Biomedical Investigation
John Ioannidis (Ioannina, Greece)

12.05 – 12.30  Translational medicine – a publisher’s perspective
Martin Vinding (Copenhagen, Denmark)

12.30 – 13.00  Academic Medicine and Biomedical Research at Crossroads
George Chrousos (Athens, Greece)

Friday, April 3, 15.15 – 18.00  Room 1801

Nonalcoholic Steatohepatosis

Organizers & Chairs
Stefan Zeuzem (Frankfurt, Germany)
Ulrich Leuschner (Frankfurt, Germany)

15.00 – 15.40  Morphology and pathogenetic aspects
Helmut Denk (Graz, Austria)

15.40 – 16.15  Insulin resistance in the pathogenesis of NASH
Dirk Müller-Wieland (Hamburg, Germany)

16.30 – 17.00  Clinical manifestations and non invasive diagnostic tools
Piero Portincasa (Bari, Italy)

17.00 – 17.30  Non invasive procedures for evaluation of fibrosis in NASH
Mireen Friedrich-Rust (Frankfurt, Germany)

17.30 – 18.00  New therapeutic aspects
Ulrich Leuschner (Frankfurt, Germany)
**SCIENTIFIC PROGRAMME / WORKSHOPS  Friday, April 3, 2009**

**Friday, April 3, 15.15 – 18.00**  
**Lecture Hall**

*Vitamin D-Hormone: Pleiotropic Effects*

Organizers & Chairs  
Klaus Badenhoop (Frankfurt, Germany)  
Klaus-Henning Usadel (Frankfurt, Germany)

15.15 – 15.35  
Classical and non-classical bone actions of vitamin D  
Franz Jacob (Würzburg, Germany)

15.35 – 15.55  
Vitamin D deficit and the risk of cancer  
Jakob Linseisen (Heidelberg, Germany)

15.55 – 16.15  
Immunomodulatory effects of vitamin D in the macrophage system: endocrine disease in animal models  
Andreas Lengeling (Edinburgh, UK)

16.45 – 17.05  
Vitamin D regulation of the toll-like-receptor (TLR) pathways and its role in infection and immunity  
Kai Zacharowski (Frankfurt, Germany)

17.05 – 17.25  
Prevention of type 1 diabetes with vitamin D?  
Urs Christen/Elisabeth Ramos-Lopez (Frankfurt, Germany)

17.25 – 17.45  
Vitamin D and neurodegeneration  
Jochen Roeper (Frankfurt, Germany)

**Friday, April 3, 15.15 – 18.00**  
**Room 1811**

*Endocrine Hypertension*

Organizers & Chairs  
Sven Diederich (Berlin, Germany)  
Graeme Eisenhofer (Dresden, Germany)

**Part I: Phaeochromocytoma**

15.15 – 15.35  
Diagnosis of phaeochromocytomas: Update of biochemical tests and localisation methods  
Jacques WM Lenders (Nijmegen, the Netherlands)

15.35 – 15.55  
Genetics of pheochromocytomas and paragangliomas  
Hartmut P.H. Neumann (Freiburg, Germany)

15.55 – 16.15  
Therapeutic approaches to malignant pheochromocytomas and paragangliomas  
Hendrik Lehnert (Lübeck, Germany)

**Part II: Conn syndrome**

16.45 – 17.05  
Rational diagnostic procedures for primary hyperaldosteronism  
Felix Beuschlein (München, Germany)

17.05 – 17.25  
Molecularbiological pathophysiology of hypertension from an endocrine point of view  
Eleanor Davies (Glasgow, UK)

**Friday, April 3, 15.15 – 18.00**  
**Room 1812**

**Phagocyte Biology IV – Differentiation and Apoptosis**

Organizers  
Attila Mocsai (Budapest, Hungary)  
Barbara Walzog (München, Germany)  
Markus Sperandio (München, Germany)

15.15 – 15.45  
Monocyte subsets and their functional role  
Frederic Geissmann (London, UK)

15.45 – 16.15  
Differential regulation of phagocyte development by the intrinsic and extrinsic apoptotic pathways  
You-Wen He (Durham, USA)

16.15 – 16.30  
Molecular association between proteinase 3 and calreticulin at the plasma membrane: implication for apoptotic neutrophil clearance and inflammation in vasculitis  
J. Gabillet (Paris, France)

16.45 – 17.05  
Vitamin D regulation of the toll-like-receptor (TLR) pathways and its role in infection and immunity  
Kai Zacharowski (Frankfurt, Germany)

17.05 – 17.25  
Prevention of type 1 diabetes with vitamin D?  
Urs Christen/Elisabeth Ramos-Lopez (Frankfurt, Germany)

17.25 – 17.45  
Vitamin D and neurodegeneration  
Jochen Roeper (Frankfurt, Germany)

17.45 – 18.00  
Hypomorphic germline mutations in CASP-1 do not prevent and may even provoke autoinflammatory disease  
A. Rösen-Wolff (Dresden, Germany)

18.00  
End of session
Saturday, April 4, 2009

German Satellite Symposium

Symposium Endokrinologikum: New Aspects in the Treatment of the Metabolic Syndrome and Hyperlipidemia

Organizers & Chairs
W. Alexander Mann (Frankfurt, Germany)
Klaus-Henning Usadel (Frankfurt, Germany)

09.00 – 09.45
Hyperlipidemia: Simvastin for everybody or differentiated therapy
W. Alexander Mann (Frankfurt, Germany)

09.45 – 10.20
Insulin resistance as therapeutic target in obesity and diabetes
Andreas Hamann (Bad Nauheim, Germany)

10.30 – 11.15
Plenary lecture (see page 10)

11.30 – 12.15
Gender specific aspects of the metabolic syndrome – in females
Onno E. Janssen (Hamburg, Germany)

12.15 – 13.00
Gender specific aspects of the metabolic syndrome – in males
L. Beiglboeck-Karau (Karlsruhe, Germany)

Saturday, April 4, 2009

German Satellite Symposium

Symposium Onkologikum: Molecular Targeting in Oncology

Organizers & Chairs
Dieter Hoelzer (Frankfurt, Germany)
Angelika Bohme (Frankfurt, Germany)

Opening remarks
Dieter Hoelzer (Frankfurt, Germany)

Session I: Lymphoid Neoplasias

Chair
Eckhard Weidmann (Frankfurt, Germany)

Non-Hodgkin-Lymphoma – The complex case
Thomas Carl Nebe (Frankfurt, Germany)

Indolent Lymphoma in elderly Patients – When and how to treat?
Mathias Rummel (Gießen, Germany)

Chronic Lymphatic Leukemia – New Standards in Therapy
Wolfgang Knauf (Frankfurt, Germany)

Morbus Hodgkin – The new Study Generation
Andreas Engert (Köln, Germany)

Multiple Myeloma – The interesting Case
Angelika Bohme (Frankfurt, Germany)

Saturday, April 4, 2009

Pediatric Endocrinology II: Growth Disturbances

Organizers
Annette Richter-Unruh (Wattenscheid, Germany)
Stenvert Drop (Rotterdam, the Netherlands)
Hedi Claahsen (Nijmegen, the Netherlands)

08.30 – 09.00
Aromatase inhibition and growth promotion
L. Dunkel (Helsinki, Finland)

09.00 – 09.30
All you want to know about idiopathic short stature
J.M. Wit (Leiden, the Netherlands)

09.30 – 10.00
Growth hormone insensitivity syndrome and treatment
C. Carmacho-Huembner (Stockholm, Sweden)

11.15 – 12.00
Shox gene deletions and treatment with growth hormone
S. Heger (Hannover, Germany)

12.00 – 12.30
Genetic aspect and signal transduction in Noonan Syndrome
M. Zanker (Erlangen, Germany)

12.30 – 13.00
Noonan and growth hormone treatment; yes or not
J. Braemswig (Münster, Germany)
Poster Viewing Will be possible from Thursday, April 2 until Saturday, April 4, 2009

Poster Awards The four best posters will be awarded the Poster Award 2009 to the amount of € 250,– per poster.

Abstract number

1. Neuroendocrine tumors: genetics, tumor biology
   M.G. Möller (Tampa, USA)
   Treatment outcome and prognostic factors of gastric carcinoid tumors

2. Stem cell therapy in cardiology
   O. Adaramoye Ibadan (Nigeria/Paraiba, Brazil)
   Involvement of Na+ -Ca2+ exchanger in the endothelium-independent vasorelaxation induced by Curcuma Longa L in isolated rat mesenteric arteries

3. Enhancement of cerebral blood flow with systemic hypertonic saline therapy is associated with more favourable outcome in patients with poor-grade aneurysmal subarachnoid haemorrhage

Phagocyte biology

4. Proton channels sustain superoxide production and calcium signaling in neutrophils
   M. Sperandio (Munich/Heidelberg, Germany)

5. The receptor of advanced glycation endproducts and intercellular cell adhesion molecule-1 cooperate in mediating leukocyte recruitment during inflammation in vivo
   X.W. Zhao (Amsterdam, the Netherlands)

6. CD47-Signal Regulatory Protein α (SIRPα) interactions constitute a barrier for antibody-mediated tumor cell elimination by macrophages
   M. Barber (Cambridge, UK)
   Identification of protein binding partners of P-Rex1
E. Davies (Glasgow, UK)
Altered adrenal steroid biosynthesis in essential hypertension: A digenic mechanism?

R.P.F. Dullaart (Groningen, the Netherlands)
Plasma lecithin:cholesterol acyltransferase activity is elevated in metabolic syndrome and is an independent marker of increased carotid artery intima media thickness

R.P.F. Dullaart (Groningen, the Netherlands)
Apolipoprotein M is decreased in type 2 diabetes and affects pre beta high density lipoprotein formation and cellular cholesterol efflux

P. Pervanidou (Athens, Greece)
Is the Metabolic Syndrome a consistent diagnosis in childhood and adolescence? Evidence from a longitudinal study in school aged kids followed at an obesity clinic.

H.H. Wang (Bari, Italy)
Diet-induced fatty liver disease can be prevented by ezetimibe in mice

C.H. Saely (Feldkirch, Austria)
Adult treatment panel III metabolic syndrome criteria more strongly than International Diabetes Federation criteria predict the incidence of type 2 diabetes in angiographically characterized coronary artery disease

C.H. Saely (Feldkirch, Austria)
High triglycerides, low HDL cholesterol, and small LDL particles predict incident type 2 diabetes in non-diabetic coronary patients

I. Dornauf (Frankfurt, Germany)
Primary ovarian failure caused by two novel mutations in the FSH-receptor gene

A. Tomaschitz (Graz, Austria)
The impact of the aldosterone to renin ratio on aortic pulse pressure in diabetic and on-diabetic patients referred to coronary angiography

M. Kovacs (Budapest, Hungary)
Src-family kinases are required for the development of autoimmune arthritis

T.W. Orlikowsky (Aachen, Germany)
Monocytes in neonatal sepsis-associated organ destruction

S. Vermeren (Cambridge, UK)
ARAP3 in neutrophils

M. Pederzoli-Ribeil (London, UK)
The impact of Annexin-A1 cleavage on neutrophil behaviour during vascular inflammation

S. Daou (Geneva, Switzerland)
Role of ultrahigh-molecular-weight polyethylene particles on the antibacterial activity of

Z. Jakus (Budapest, Hungary)
Syk is a treatment target for therapy in autoimmune arthritis

K. Christenson (Göteborg, Sweden)
Regulation of cell death processes in human neutrophils – comparison between peripheral blood cells and exudated cells collected after in vivo transmigration

A. Doerner (Heidelberg/Munich, Germany)
Sialyltransferase ST3Gal-IV is crucial for eosinophil recruitment in vivo

K. Theusner (London, UK)
Human Immunodeficiency Virus infection of macrophages - assembly and transmission to T lymphocytes

T. R. Szer & T. Józsa (Debrecen, Hungary)
Delayed fracture repair and impaired survival of bone xenografts in mice with insulin resistant diabetes

Pediatric endocrinology

I. Dornauf (Frankfurt, Germany)
Primary ovarian failure caused by two novel mutations in the FSH-receptor gene

Endocrine hypertension

A. Tomaschitz (Graz, Austria)
The impact of the aldosterone to renin ratio on aortic pulse pressure in diabetic and on-diabetic patients referred to coronary angiography

POSTER PRESENTATION

POSTER PRESENTATION
G. Garruti (Bari, Italy)  
Effects of gastric banding on red blood cell aggregation and deformability in morbidly obese subjects

M. Szopa (Cracow, Poland)  
The FTO gene modifies weight, fat mass and insulin sensitivity in women with polycystic ovary syndrome and its role may be larger than in other phenotypes

M. Szopa (Cracow, Poland)  
Polymorphisms in the adiponectin encoding gene and susceptibility to type 2 diabetes in the Polish population

M. Szopa (Cracow, Poland)  
Skinfold measurement is not an effective screening test to pre-select patients for molecular testing in search for LMNA mutations

N.I. Tarasova (Nizhny Novgorod, Russia)  
Individual iodine supplementation and its effect on schoolchildren physical and mental development at the territories of moderate iodine deficiency

R.P.F. Dullaart (Groningen, the Netherlands)  
High plasma C-reactive protein is related to low paraoxonase-I activity and adiponectin and high leptin in type 2 diabetes mellitus, independently of obesity and lipids

M.C. Masoni (Pisa, Italy)  
Plasma levels of Neuropeptide Y, Peptide YY and Adiponectine in patients affected by anorexia nervosa and severe obesity

E. Matteucci (Pisa, Italy)  
One-year follow-up of biologic correlates for arterial blood pressure in type 2 diabetes

E. Matteucci (Pisa, Italy)  
Contributors of abnormal 24-hour systolic blood pressure in type 1 diabetes families

G. Garruti (Bari, Italy)  
Effects of gastric banding on red blood cell aggregation and deformability in morbidly obese subjects

M. Szopa (Cracow, Poland)  
The FTO gene modifies weight, fat mass and insulin sensitivity in women with polycystic ovary syndrome and its role may be larger than in other phenotypes

M. Szopa (Cracow, Poland)  
Polymorphisms in the adiponectin encoding gene and susceptibility to type 2 diabetes in the Polish population

M. Szopa (Cracow, Poland)  
Skinfold measurement is not an effective screening test to pre-select patients for molecular testing in search for LMNA mutations

N.I. Tarasova (Nizhny Novgorod, Russia)  
Individual iodine supplementation and its effect on schoolchildren physical and mental development at the territories of moderate iodine deficiency

R.P.F. Dullaart (Groningen, the Netherlands)  
High plasma C-reactive protein is related to low paraoxonase-I activity and adiponectin and high leptin in type 2 diabetes mellitus, independently of obesity and lipids

M.C. Masoni (Pisa, Italy)  
Plasma levels of Neuropeptide Y, Peptide YY and Adiponectine in patients affected by anorexia nervosa and severe obesity

E. Matteucci (Pisa, Italy)  
One-year follow-up of biologic correlates for arterial blood pressure in type 2 diabetes

E. Matteucci (Pisa, Italy)  
Contributors of abnormal 24-hour systolic blood pressure in type 1 diabetes families

Gastroenterology and hepatology

I. Bihsalskyy (Lviv, Ukraine)  
Monocyte chemoattractant protein-1 in acute pancreatitis

P. Portincasa (Bari, Italy)  
Taurodeoxycholate induced intestinal injury is modulated by oxidative stress dependent pre-conditioning like mechanisms
22. I. Grattagliano (Bari, Italy)
The bile salt taoursodeoxycholate (TUDCA) modulates systemic and hepatic oxidative / nitrosative stress markers in cholestatic rats

23. D. Pontrelli (Bari, Italy)
Expiroger®: the novel 13C-breath test for the evaluation of gastric emptying and gastrointestinal symptoms in obese patients and healthy subjects

24. P. Portincasa (Bari, Italy)
The aquaporin-9 water channels are dysregulated in the liver of rat with obstructive extrahepatic cholestasis

Haematology and oncology

25. P. Portincasa (Bari, Italy)
Potential role of Estrogen Related Receptors (ERRs) in the response of hormonal therapy of desmoids

26. F.M. Hassan (Khartoum, Sudan)
Cervical cancer screening among Sudanese women

Immunology, rheumatology and inflammation

27. A. Stanek (Bytom, Poland)
Influence of cryotherapy on some inflammatory markers in patients with ankylosing spondylitis

28. A. Stanek (Bytom, Poland)
Serum paraoxonase 1 activity and malone dialdehyde level in patients with ankylosing spondylitis

29. E. Wypasek (Cracow, Poland)
NF-kappaB activation during morphine-modulated peritonitis in Swiss mice

30. A. Braner (Frankfurt, Germany)
3-Year follow-up for anakinra-treatment in a patient with familial mediterranean fever following intolerance to colchicines lipids

Lipids

31. P. Rein (Feldkirch, Austria)
Key role of low HDL cholesterol for the association of the metabolic syndrome with inflammation in coronary patients

Nephrology and hypertension

32. J.-J. Boffa (Paris, France)
ADMA induces hypertension and renal fibrosis as L-NAME

33. Z. Nesic (Belgrade, Serbia)
Acute protective effects of different doses of simvastatin in the rat model of renal ischemia-reperfusion injury

34. P. Rein (Feldkirch, Austria)
Albuminuria, the glomerular filtration rate, and angiographically determined coronary

Neurology and neurobiology

35. M.Y. Tseng (Cambridge, UK)
Acute oral pravastatin therapy reduces cerebral vasospasm and delayed ischemic neurological deficits following aneurysmal subarachnoid hemorrhage: a phase II randomized controlled trial

Thrombosis and hemostasis

36. E. Wypasek (Cracow, Poland)
The fibrinogen beta-chainC148T polymorphism is involved with increase fibrinogen levels but not with fibrin structure in patients with advanced coronary artery disease

37. E. Stepnien (Cracow, Poland)
Genetic factors contributing to thrombin generation in advanced coronary artery disease
The following participants in ESCI 2009 are awarded a travel grant supported by ESCI:

M. Barber, Cambridge - UK
S. Berger-Achituv, Kfar Saba - Israel
I. Bihal, Lviv – Ukraine
P. Björklund, Uppsala – Sweden
G. Damoulakí, Cambridge – UK
R. Dieckmann, Geneva – Switzerland
K. Edfeldt, Uppsala – Sweden
A. El Chemaly, Geneva – Switzerland
K. Futosí, Budapest – Hungary
J. Gabillet, Paris – France
V. Gurevich, St. Petersburg – Russia
F. Hassan, Khartoum – Sudan
J. v.d. Heijden, Amsterdam – the Netherlands
Z. Jakus, Budapest – Hungary
M. Kovács, Budapest – Hungary
I. Mannigel, Munich – Germany
A. Marchioli, Trieste – Italy
M. Möller, Tampa FL, USA
T. Németh, Budapest – Hungary
H. Patel, London – UK
M. Pederzoli-Ribeil, London – UK
M. Petruzzelli, Santa Maria Imbaro – Italy
D. Pontrelli, Bari – Italy
M. Pruenster, Munich – Germany
A. Stanek, Bytom – Poland
M. Szopa, Cracow – Poland
E. Trevisan, Trieste – Italy
M. Tseng, Cambridge – UK
E. v.d. Vijver, Amsterdam – the Netherlands
X. Zhao, Amsterdam – the Netherlands

SOCIAL PROGRAMME

Wednesday, April 1, 18.30

Welcome Addresses
Official opening of the congress
George P. Chrousos
President of ESCI
W. Müller-Esterl
President of the J.W. Goethe-University
T. Klingebiel
Vice Dean of the faculty of medicine
W. Alexander Mann
President of the Congress

Opening lecture
Clinical Implications of the New Biology of Estrogen Action
Jan-Ake Gustafsson (Stockholm, Sweden)

Welcome Reception
with the „Acoustic Odyssee“ Jazzband
and young musicians of the „Jazz-Werkstatt“
Foyer of the Kasinogebäude Campus Westend

Friday, April 3, 19.30

Congress Dinner at the „Museum für Kommunikation“
„Museumsufer“ Schaumainkai 54, Frankfurt

We take the motto of the location for the evening: Let’s communicate!

Evening lecture
Benefits and hazards of nutrient iron
presented by Jo Marx,
(Utrecht, The Netherlands) – Albert Struyvenberg Medal awardee 2009

€ 50.-- per person
Dear Colleagues,

It is a great pleasure to invite you to join us at the 44th Annual Meeting of the European Society for Clinical Investigation (ESCI) which will take place at the University Medical School in the history-laden city of Bari, Italy, on 24 – 27 February 2010.

Bari (Latin, Barium, coordinates 41°08’N 16°52’E), a charming city located in the Apulia region in southern-east Italy bordering the Adriatic sea, is laden with very rich history and culture and well known for its port and its University. Always considered to be the Italian gateway to the East (the Levant), Bari serves as an ideal bridge between West and the East cultures. In addition to several museums, Bari boasts very important monuments including the Castello Svevo (Swabian Castle) of Frederick II of Hohenstaufen (the Holy Roman emperor), the Basilica of Saint Nicholas (the saint patron of the city), a splendid example of the Apulian Romanesque Churches scattered throughout the region, and an important pilgrimage site for the devout throughout Europe and the Christian world, the Petruzzelli Theatre and the „Russian“ Church. The Old Bari and the Murattiano district are the heart of the city and offer a beautiful promenade on the sea. The recently redeveloped Karol Wojtyla Airport has several connections to major European cities.

ESCI is a truly interdisciplinary association of clinicians and basic scientists across Europe working to integrate the different aspects of biomedical research. I have no doubt that your dedication to sound science and the need to share the latest results will make the Bari meeting a major success, with the highest standards in research. At the large and central university hospital „Policlinico” several topics will be addressed by well-known international scientists dealing with the mechanisms of molecular, cellular, endocrine and metabolic regulation and their consequences for growth, inflammation and atherosclerosis. Several workshops and plenary lectures will guarantee a highly integrated approach throughout the congress, and it is our aim to pool bench to bedside researchers to focus on the different aspects of science. Further details available at www.esci.eu.com.

I look forward to welcoming you all to Bari to celebrate together 44 years of commitment to doing research!

Prof. Piero Portincasa, Internist, PhD president of the local organizing committee

Without the support of foundations and the pharmaceutical industry we would not have been able to realize a congress of excellent quality. Therefore we are very grateful to the following companies and foundations for their support of our meeting and exhibition:

Abbott Max-Planck-Ring 2a 65205 Wiesbaden
AD Instruments GmbH Reichartshäuser Berg 3 74937 Speckbach
Amgen Hanauer Str. 1 80992 München
Bayer Vital GmbH Gebäude D 162 51368 Leverkusen
Bristol-Myers Squibb GmbH & Co. KG
Celgene Joseph-Wild-Str. 20 81829 München
Chugai Pharma Lyoner Str. 15 60528 Frankfurt/M.
DiaSorin Deutschland gmbH Von-Hevesy-Str. 3 63128 Dietzenbach
Endokrinologikum Lornsensstr. 4-6 22767 Hamburg
Essex Pharma GmbH Thomas-Dehler-Str. 27 81737 München
Genzyme GmbH Siemensstr. 5b 63263 Neu-Isenburg
IBL International GmbH Flughafenstr. 52a 22335 Hamburg
IDS Immunodiagnostik Systems Dt. GmbH Mainzer Landstr. 49 60329 Frankfurt/M.
Ipsen Pharma GmbH Einsteinstr. 30 76275 Ettlingen
LDN Labor Diagnostika Nord Gmbh & Co.KG Am Eichenhain 1 48539 Nordhorn
Lilly Deutschland GmbH Werner-Reimers-Str. 2-4 61352 Bad Homburg
Metacure GmbH Chollerstr. 3 CH 6300 Zug, Schweiz
MSD Sharp & Dohme Lindenplatz 1 85540 Haar
Mundipharma Mundipharma Str. 2 65549 Limburg
Novartis Pharma Gmbh Roonstr. 25 90429 Nürnberg
Novo Nordisk Pharma Gmbh Brucknerstr.1 55127 Mainz
Pfizer GmbH Kinkstr. 10 10785 Berlin
Procter & Gamble Sulzbacher Str. 40-50 65824 Schwalbach a. T.
Roche Diagnostics Gmbh Sandhofer Str. 116 68305 Mannheim
Roche Pharma AG Emil-Barell-Str. 1 79639 Grenzach-Wyhlen
OFFICERS AND MEMBERS OF THE ESCI COUNCIL FROM 1967-2009

Amundsen, E Norway councillor 1967-1968
Boffa, JJ France councillor 2008-2011
Bolli, G B Italy secretary 1985-1988, vice-president 1988-1989
Catto, A United Kingdom councillor 2003-2006
Coster, P de Belgium councillor 1987-1990
Dalhoff, K Denmark councillor 2005-2007
Detry, J M Belgium councillor 1977-1980
Dickinson, C J United Kingdom secretary 1969-1972
Diaz, J Spain councillor 2005-2006
donato, L A Italy councillor 1970-1972, vice-president 1972-1973
donckier, J Belgium councillor 1990-1993
Fieschi, C Italy councillor 1973-1976, vice-president 1976-1977
Galanti, L Belgium councillor 1993-1996
Gjedde, A Denmark councillor 1996-1999
g graier, W Austria councillor 2002-2005, vice-president 2005-2006
Grant, P UK councillor 2000-2003
Gränbäck, H Denmark councillor 2002-2005
Grossman, AB United Kingdom councillor 2008-2011
Hallberg, L Sweden councillor 1967-1968
Hayoz, D Switzerland councillor 2000-2003, vice-president 2003-2004

EXHIBITORS & DONATORS

Servier Deutschland
GmbH
Elsenheimer Str. 53
80687 München

Takeda Pharma GmbH
Viktoriaallee 3-5
52066 Aachen

T2cure
Bettinastr. 35
60325 Frankfurt

UCB
Alfred-Nobel-Str. 10
40789 Monheim

Wyeth Pharma GmbH
Wienburgstr. 207
48159 Münster

Foundations
DFG Deutsche Forschungsgemeinschaft
Endokrinologikum Hamburg GEFEF e.V.
ESCI Trust Foundation
European Federation of Immunological Societies
Rhein Main AG für Endokrinologie und Stoffwechsel
Rhein Main AG für Gastroenterologie

EUROPEAN JOURNAL OF CLINICAL INVESTIGATION

Editor-in-Chief
Walter H. Hörl (Vienna, Austria) until April 2009
John P.A. Ioannidis (Ioannina, Greece) starting April 2009

Associate Editors
Michael Roden (Vienna, Austria)
Markus D. Säemann (Vienna, Austria)
Peter Valent (Vienna, Austria)

Editorial Address
Editorial Office (Ingrid Szkibik)
European Journal of Clinical Investigation (EJCI)
Department of Medicine III
Division of Nephrology and Dialysis
University of Vienna
Währinger Gürtel 18-20
A-1090 Vienna
Austria
phone +43 1 40400 4390/91
fax +43 1 40400 4392
e-mail walter.hoerl@univie.ac.at

Publisher
Wiley-Blackwell (Oxford, UK)

... as of Feb, 25th 2009

Editor-in-Chief
Walter H. Hörl (Vienna, Austria) until April 2009
John P.A. Ioannidis (Ioannina, Greece) starting April 2009

Associate Editors
Michael Roden (Vienna, Austria)
Markus D. Säemann (Vienna, Austria)
Peter Valent (Vienna, Austria)

Editorial Address
Editorial Office (Ingrid Szkibik)
European Journal of Clinical Investigation (EJCI)
Department of Medicine III
Division of Nephrology and Dialysis
University of Vienna
Währinger Gürtel 18-20
A-1090 Vienna
Austria
phone +43 1 40400 4390/91
fax +43 1 40400 4392
e-mail walter.hoerl@univie.ac.at

Publisher
Wiley-Blackwell (Oxford, UK)
<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
<th>Years</th>
<th>Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ott, P</td>
<td>Denmark</td>
<td>1999-2002</td>
<td>councillor</td>
</tr>
<tr>
<td>Oya, M de</td>
<td>Spain</td>
<td>1992-1994</td>
<td>councillor</td>
</tr>
<tr>
<td>Paulson, O</td>
<td>Denmark</td>
<td>1976-1978</td>
<td>councillor</td>
</tr>
<tr>
<td>Persu, A</td>
<td>Belgium</td>
<td>2007-2010</td>
<td>councillor</td>
</tr>
<tr>
<td>Pontiroli, A E</td>
<td>Italy</td>
<td>1993-1996</td>
<td>councillor</td>
</tr>
<tr>
<td>Portincasa, P</td>
<td>Italy</td>
<td>2007-2011</td>
<td>councillor</td>
</tr>
<tr>
<td>Prunier, H G</td>
<td>Belgium</td>
<td>1980-1982</td>
<td>councillor</td>
</tr>
<tr>
<td>Pourrat, J P</td>
<td>France</td>
<td>1985-1988</td>
<td>councillor</td>
</tr>
<tr>
<td>Preisig, R</td>
<td>Switzerland</td>
<td>1968-1970</td>
<td>councillor</td>
</tr>
<tr>
<td>Przybylski, J</td>
<td>Poland</td>
<td>1987-1990</td>
<td>councillor</td>
</tr>
<tr>
<td>Radomski, M</td>
<td>United Kingdom</td>
<td>1991-1993</td>
<td>councillor</td>
</tr>
<tr>
<td>Raedsch, R</td>
<td>Germany</td>
<td>1986-1989</td>
<td>councillor</td>
</tr>
<tr>
<td>Reincke, M</td>
<td>Germany</td>
<td>2000-2001</td>
<td>councillor</td>
</tr>
<tr>
<td>Renold, A E</td>
<td>Italy</td>
<td>1967-1968</td>
<td>councillor</td>
</tr>
<tr>
<td>Ricevuti, G</td>
<td>Italy</td>
<td>1999-2002</td>
<td>councillor</td>
</tr>
<tr>
<td>Riemersma, R A</td>
<td>United Kingdom</td>
<td>1984-1987</td>
<td>councillor</td>
</tr>
<tr>
<td>Roden, M</td>
<td>Austria</td>
<td>1996-2002</td>
<td>councillor</td>
</tr>
<tr>
<td>Ronco, P</td>
<td>France</td>
<td>1989-1992</td>
<td>councillor</td>
</tr>
<tr>
<td>Roos, D</td>
<td>the Netherlands</td>
<td>1997-2000</td>
<td>councillor</td>
</tr>
<tr>
<td>Rossert, J</td>
<td>France</td>
<td>1987-1990</td>
<td>councillor</td>
</tr>
<tr>
<td>Sailer, S</td>
<td>Austria</td>
<td>1969-1971</td>
<td>councillor</td>
</tr>
<tr>
<td>Sanak, M</td>
<td>Poland</td>
<td>2001-2003</td>
<td>councillor</td>
</tr>
<tr>
<td>Sandhofer, F</td>
<td>Austria</td>
<td>1972-1975</td>
<td>councillor</td>
</tr>
<tr>
<td>Scheithauer, W</td>
<td>Austria</td>
<td>1989-1992</td>
<td>councillor</td>
</tr>
<tr>
<td>Schernthaner, G</td>
<td>Austria</td>
<td>1982-1985</td>
<td>councillor</td>
</tr>
<tr>
<td>Schulte, H M</td>
<td>Germany</td>
<td>1993-1996</td>
<td>councillor</td>
</tr>
<tr>
<td>Segal, A W</td>
<td>United Kingdom</td>
<td>2003-2006</td>
<td>councillor</td>
</tr>
<tr>
<td>Semplicini, A</td>
<td>Italy</td>
<td>1973-1976</td>
<td>councillor</td>
</tr>
<tr>
<td>Sjöström, L V</td>
<td>Sweden</td>
<td>1994-1997</td>
<td>councillor</td>
</tr>
<tr>
<td>Sladek, K</td>
<td>Poland</td>
<td>1990-1993</td>
<td>councillor</td>
</tr>
<tr>
<td>Spinias, G A</td>
<td>Switzerland</td>
<td>1993-1994</td>
<td>councillor</td>
</tr>
<tr>
<td>Stärkel, P</td>
<td>Belgium</td>
<td>2003-2006</td>
<td>councillor</td>
</tr>
<tr>
<td>Stendahl, O I</td>
<td>Sweden</td>
<td>1988-1991</td>
<td>councillor</td>
</tr>
<tr>
<td>Struyvenberg, A</td>
<td>the Netherlands</td>
<td>1967-1970</td>
<td>treasurer</td>
</tr>
<tr>
<td>Tamargo, J</td>
<td>Spain</td>
<td>2002-2005</td>
<td>councillor</td>
</tr>
<tr>
<td>Theilmann, L</td>
<td>Germany</td>
<td>1990-1993</td>
<td>councillor</td>
</tr>
<tr>
<td>Tiensuu Janson, E</td>
<td>Sweden</td>
<td>2007-2010</td>
<td>councillor</td>
</tr>
<tr>
<td>Trovati, M</td>
<td>Italy</td>
<td>1989-1992</td>
<td>councillor</td>
</tr>
<tr>
<td>Ulrych, M</td>
<td>Czech Republic</td>
<td>1967-1970</td>
<td>councillor</td>
</tr>
<tr>
<td>Undas, A</td>
<td>Poland</td>
<td>2004-2007</td>
<td>councillor</td>
</tr>
<tr>
<td>Verhoeven, A J</td>
<td>the Netherlands</td>
<td>1995-1997</td>
<td>councillor</td>
</tr>
<tr>
<td>Verroust, P</td>
<td>France</td>
<td>1980-1982</td>
<td>councillor</td>
</tr>
<tr>
<td>Visseren, FLJ</td>
<td>the Netherlands</td>
<td>2008-2009</td>
<td>councillor</td>
</tr>
<tr>
<td>Waldius, G</td>
<td>Sweden</td>
<td>1981-1983</td>
<td>councillor</td>
</tr>
<tr>
<td>Wascher, T</td>
<td>Austria</td>
<td>2006-2008</td>
<td>councillor</td>
</tr>
<tr>
<td>Williams, G</td>
<td>United Kingdom</td>
<td>1996-1999</td>
<td>councillor</td>
</tr>
<tr>
<td>Ypersele, C van</td>
<td>Belgium</td>
<td>1974-1975</td>
<td>councillor</td>
</tr>
<tr>
<td>Zanchetti, D</td>
<td>Italy</td>
<td>1967-1968</td>
<td>councillor</td>
</tr>
<tr>
<td>Zielinski, C C</td>
<td>Austria</td>
<td>1986-1989</td>
<td>councillor</td>
</tr>
</tbody>
</table>
EACCME
European Accreditation Council for Continuing Medical Education

CERTIFICATE

The Conference: 43rd annual scientific meeting of the European Society for Clinical Investigation
organised by: European Society for Clinical Investigation

has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the
following CME activity for medical specialists.

The Conference - 43rd annual scientific meeting of the European Society for clinical investigation
is designated for a maximum of, or up to 16
European CME credits (ECMECs).

Brussels, 16.12.2008 The UEMS - EACCME Secretariat

Each medical specialist should claim only those credits that reflect the activity spent in the educational activity. The EACCME is an institution of the
European Union of Medical Specialists (UEMS). www.uems.net. ECMECs % are recognized by the American Medical Association towards the
Physician’s Recognition Award (PRA). To convert ECMEC’s credit to AMA PRA category I, credit, please contact the AMA.