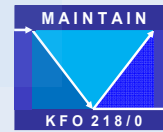




# ESE BREGENZ SUMMER SCHOOL ON ENDOCRINOLOGY 2012



*EnForCé*



## Main Topics:

- Genetics and Molecular Biology of Adipose Tissue Formation and Energy Metabolism
- The metabolic interface of mesenchymal stem cells
- Hormones, sleep, and energy metabolism with a focus on diabetes and obesity
- Exosomes & RNA-world: a novel endo- and paracrine regulatory system
- Thermoregulation, metabolic control and longevity
- Development and function of the Hypothalamus-Pituitary Axis
- Ethics in biomedical life sciences

**Sunday, August 5<sup>th</sup> – Thursday, August 9<sup>th</sup>, 2012**

**Monastery Mehrerau  
Bregenz, Austria**

Sponsored by the DFG-funded Graduate College 1208 & DFG KFO 218 (Berlin) & the DFG-funded Graduate College 1041 and the International Graduate School in Molecular Medicine (Ulm).

This is a joint project of the European Society of Endocrinology (ESE) with the German Society of Endocrinology (DGE), the ESE Young Active Research in Endocrinology (YARE/EYES).

The European Society of Endocrinology, the German Society of Endocrinology and DFG-funded projects can sponsor travel grants for young graduates and postgraduates.

**Venue:** Monastery Mehrerau  
Mehrerauerstr. 68  
6903 Bregenz, Austria  
Tel.: +43 5574 714 38  
Fax: +43 5574 714 94  
E-mail: sekretariat@mehrerau.at  
Web: <http://www.mehrerau.at>

**Scientific Organizing Committee:** Josef Köhrle (Charité, Berlin) Franz Jakob (Univ. of Würzburg), Jochen Seufert (Univ. of Freiburg), Justo P. Castaño (ESE), Bernhard Otto Böhm (Univ. of Ulm)

**Representatives of YARE & EYES:** Verena Benz, Berlin; Annkathrin Keiler, Dresden; Susann Ludwig, Wageningen; Mona Mischke, Wageningen; Mette Stoedter, Berlin

**Format & curricular elements:** Plenary lectures, Interactive seminars, Poster Sessions; Sports, communication & networking

**Scientific Conference Office:** Institute of Experimental Endocrinology  
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**Organizer/Veranstalter:** Akademie für Fort- und Weiterbildung der DGE

**Online registration:** [https://www.event-endoscience.de/tms/frontend/frontend.cfm?l=3082&id=0&dat\\_h=&sp\\_id=2](https://www.event-endoscience.de/tms/frontend/frontend.cfm?l=3082&id=0&dat_h=&sp_id=2)

# CONFERENCE PROGRAMME

SUNDAY, 5 AUGUST 2012

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15:30



... AND INTRODUCTION OF PARTICIPANTS

Participants will introduce themselves,  
their interest and field of work.

## STARTUP SESSION

Chairperson: Franz Jakob, Würzburg

17:00 **Stem cells in skeletal physiology and endocrine diseases of bone**  
*Paolo Bianco, Rome, Italy*

19:00 **Dinner (Restaurant Klosterkeller)**

MONDAY, 6 AUGUST 2012

Morning Session 1: **A fresh look on endocrinology and metabolism**  
**YARE & EYES Young Investigator's Session 1**  
**Sports & Lectures**

Coordination: Verena Benz (Berlin), Annekathrin Keiler (Dresden), Susann Ludwig (Wageningen), Mona Mischke (Wageningen), Mette Stoedter (Berlin)

08:15 **Warm up and getting to know each other with joint sports activities (Volleyball, Badminton, Handball, Soccer, Swimming)**

10:00 **Refreshments**

10:15 **Influence of human intestinal microbiota on energy balance**  
*Reiner Jumpertz, Berlin, GER*

11:00 **Adipocyte Hif1 $\alpha$  controls fatty acid oxidation and energy expenditure**  
*Jaya Krishnan, Zurich, CH*

11:45 **Fusion proteins for tumor therapy**  
*Christopher Bachran, Washington D.C., USA*

12:30 **Lunch**

**Sports and Fun**

**15:30 Parallel Session 1: Interactive Courses**

**A1 Stem cells and their niche**

*Paolo Bianco, Rome, Italy*

**B1 Study design on genetic association studies of sleep related traits**

*Karla Viviani Allebrandt, Munich, GER*

**C1 Animal models for studying metabolic circuits**

*Mauricio Berriel Diaz, Heidelberg; GER*

**16:15 Coffee & Tea Break**

**Afternoon Session 1: Genetics and Molecular Biology of Adipose Tissue Formation and Energy Metabolism**

**Chairperson:** Jochen Seufert, Würzburg

**16:30 The role of pituitary hormones in skeletal regulation**

*Mone Zaidi, New York, USA*

**17:15 Muscle function and protein metabolism**

*Marco Toigo, Zürich, Switzerland*

**18:00 Parallel Session 2: Interactive Courses**

**A2 Stem cells and their niche**

*Paolo Bianco, Rome, Italy*

**B2 Study design on genetic association studies of sleep related traits**

*Karla Viviani Allebrandt, Munich, GER*

**C2 Animal models for studying metabolic circuits**

*Mauricio Berriel Diaz, Heidelberg; GER*

**19:00 Supper**

**20:30 Poster Session 1: Introduction and short presentations in front of posters**

**Chairpersons:** Mona Mischke, Wageningen & Anne-Kathrin Keiler, Dresden

**TUESDAY, 7 AUGUST 2012**

**Morning Session 2: The Metabolic Interface of Mesenchymal Stem Cells**

**Chairperson:** Franz Jakob, Würzburg

**08:15 Molecular biology of adipogenesis**

*Justin Rochford, Cambridge, UK*

**09:00 High caloric diet-induced local inflammation in adipose tissue, liver and pancreas consequences for glucose homeostasis**

*Guenter Paeth, Freiburg, GER*

**09:45 Molecular biology of brown adipose tissue**

*Matthias Betz, Göteborg, Sweden*

10:30 Coffee & Tea Break

**Morning Session 3: Hormones, Sleep, and Energy Metabolism with a Focus on Diabetes and Obesity**

**Chairperson:** Josef Köhrle, Berlin

11:00 **Circadian time and sleep duration: a relation to metabolic dysfunction?**

*Karla Viviani Allebrandt, Munich, GER*

11:45 **DIABAT: Hormonal stimulation of thermogenesis in prevention of diabetes and metabolic disease**

*Mauricio Berriel Diaz, Heidelberg, GER*

12:30 Lunch

**Sports and Fun**

15:30 **Parallel Session 3: Interactive Courses**

**E1 Searching for miRNAs in genomic and RNAseq data**

*Jan Gorodkin & Claus Heiner Bang-Berthelsen, Copenhagen, Denmark*

**F1 Hypothesis building and testing**

*Ulrich Schweizer, Berlin, Germany*

**G1 Nuclear receptors (LXR and TR) and regulation of cholesterol metabolism**

*Torsten Plösch, Groningen, NL*

16:15 Coffee & Tea Break

**Afternoon Session 2: Exosomes & RNA-World: A Novel Endo- and Paracrine Regulatory System**

**Chairperson:** Bernhard Otto Böhm, Ulm

16:30 **Structural evolution of long non-coding RNA**

*Peter F. Stadler, Leipzig, GER*

17:15 **Searching for miRNAs with relation to inflammatory disease**

*Jan Gorodkin, Copenhagen, Denmark*

18:00 **ncRNAs in Diabetes mellitus**

*Claus Heiner Bang-Berthelsen, Copenhagen, Denmark*

19:00 Supper

20:30 **Poster Session 2: Introduction and short presentations in front of posters**

**Chairpersons:** Susann Ludwig, Wageningen & Mette Støedter, Berlin

08:15 Joint sports activities (Volleyball, Badminton, Handball, Soccer, Swimming)

**Morning Session 4: Thermoregulation, metabolic control and longevity**

**Chairperson:** Josef Köhrle, Berlin

09:45 **Thermoregulation and its interplay with metabolic control**  
*Jan Siemens, Berlin, GER*

10:30 **Coffee & Tea Break**

11:00 **Endocrine regulation of energy metabolism and longevity in the naked mole rat**  
*Rochelle Buffenstein, San Antonio, USA*

11:45 **The genome of the naked mole rat – novel insight into longevity and cancer**  
*Alexei Lobanov, Boston, USA*

12:30 **Lunch**

**Sports and Fun**

**Afternoon Session 3: DEVELOPMENT AND FUNCTION OF THE HYPOTHALAMUS-PITUITARY AXIS – Part I**

**Chairperson:** Ulrich Schweizer, Berlin

15:00 **Live imaging of pituitary development**  
*Patrice Mollard, Montpellier, France*

15:45 **Development of the neurohypophysis: the role of oxytocin**  
*Gil Levkowitz, Rehovot, Israel*

16:30 **Coffee & Tea Break**

**Afternoon Session 4: DEVELOPMENT AND FUNCTION OF THE HYPOTHALAMUS-PITUITARY AXIS – Part II**

**Chairperson:** Ulrich Schweizer, Berlin

16:45 **Thyroid hormone regulation of the hypothalamus in seasonal cycles of body weight**  
*Fran Ebling, Nottingham, UK*

**17:30 Parallel Session 4: Interactive Courses**

**E2 Searching for miRNAs in genomic and RNAseq data**  
*Jan Gorodkin & Claus Heiner Bang-Berthelsen, Copenhagen, Denmark*

**F2 Hypothesis building and testing**  
*Ulrich Schweizer, Berlin, GER*

**G2 Nuclear receptors (LXR and TR) and regulation of cholesterol metabolism**  
*Torsten Plösch, Groningen, NL*

19:00 **Supper**

20:30 **Poster Session 3: Introduction and short presentations in front of posters**

**Chairpersons:** Verena Benz, Berlin & Annekathrin Keiler, Dresden

**THURSDAY, 9 AUGUST 2012**

**Morning Session 5: Ethics in Biomedical Life Sciences**

**YARE & EYES Young Investigator's Session 2**

Coordination: Verena Benz (Berlin), Annekathrin Keiler (Dresden), Susann Ludwig (Wageningen), Mona Mischke (Wageningen), Mette Stoedter (Berlin)

**08:15 Morning Sports**

**09:45 Refreshments**

**10:00 Ethics, competition and career in scientific publishing**  
*Esther Schnapp, Heidelberg, GER*

**10:45 Ethics in transgenic mouse models: generation, use and commercial utilization as human disease models – examples of hormone-related neuromuscular developmental models**  
*Ulrich Schweizer, Berlin, GER*

**11:30 General discussion and evaluation of the topics and format of this year's Summer School; proposals and suggestions for 2013**

**12:45 Farewell & Invitation for 2013**

**13:00 Lunch**

**13:30 Feedback and discussion with the organizers**

## GENERAL INFORMATION

The Bregenz Summer School has a long standing tradition as an interactive hormone and endocrine related brain-storming event and meeting place between researchers in academia, industry and clinicians.

The meeting venue is in a newly renovated complex of beautiful old buildings of the Collegium Bernardi, a boarding school operated by Kloster Mehrerau, within easy walking distance to the shore of the Lake Constance, Bregenz City Park, and a nature preserve. Bregenz, the State Capital of Vorarlberg, is a modern city of 27,000 and is the cultural center of the province hosting the world-wide renowned *Bregenzer Festspiele*. These include spectacular opera performances on the floating stage with the unique lake panorama as natural scene.

The Collegium Bernardi can house up to 120 guests, participation will be confirmed on first come - first served basis. Please note that the Summer School is being held during the Bregenz Opera Festival – therefore alternative accommodations may be difficult to obtain. **Deadline for registration and payment is July 12, 2012!**

### PARTICIPATION FEES

<u>Registration</u>	<u>Accommodation &amp; board 4 days</u>	<u>Total</u>
<b>Senior Scientists</b> € 220.00	+ € 270.00	= € 490.00
<b>Students/Postdocs (including accommodation)</b> € 100.00	+ € 230.00	= € 330.00

**Registration fee** for students, postdocs and other participants is including entry to all sessions, welcome reception on Sunday afternoon, coffee breaks and the conference handout.

**The room and full board package** for the entire meeting is 270.00 EUR for senior scientists and 230.00 EUR for students and postdocs. In case of accommodation outside the monastery, meals and coffee breaks at the monastery must be paid cash on site. The accommodation costs include accommodation in a double room with shower/toilet (arrival: August 5, departure: August 9th). If you want to share your room with a certain person who is already registered for the conference you can do so via the indicated online-registration tool. Additional nights have to be paid on your own and need to be confirmed by EndoScience.

**For Students/Postdocs only:** Depending on attracted sponsorship, the registration fee can be refunded upon active participation which requires a poster presentation. Students who will be presenting a poster may apply for **reimbursement of the registration fee**.

In addition, a **limited number of travel grants** will be available for graduate students/postdocs, depending on incoming support from sponsoring companies/organizations.

If only limited money is available, poster-presenting students/postdocs will be preferred. Money refunding and participation will be made available on a "first register and pay, first served" basis.

### Online registration:

[https://www.event-endoscience.de/tms/frontend/frontend.cfm?l=3082&id=0&date\\_h=&sp\\_id=2](https://www.event-endoscience.de/tms/frontend/frontend.cfm?l=3082&id=0&date_h=&sp_id=2)

### Payment

By credit card or bank transfer (no cash payments of registration, room and boarding fees on site!)

Registration will be confirmed by mail. If no confirmation is received within one week, please contact the Congress secretariat.

### Cancellation and refund policy

Notification of cancellation must be made in writing until July 15, 2012 and mailed to the congress secretariat with a reference to the bank account where a possible refund may be remitted to. An administrative fee of 30 € will be charged for refunds.

### Cancellation and refund fee

Before July 12, 2012, total refund (excluding the administrative fee). After July 12, 2012 no refunds can be expected.

Credit will not be given for unattended events, late arrivals or early departure. All refunds will only be processed after the Congress.

The **Bregenz Opera Festival** will be presenting Umberto Giordanos Opera “André Chénier” on the floating stage on Sunday and Tuesday evening (28 to 112 €). There will be tickets available to be booked directly by internet (<http://www.bregenzfestspiele.com/>) or telephone: +43 5574 407-6 (ticket center).

The beautiful landscape of Bregenz and its surroundings invites for a variety of sports and recreation - swimming, soccer, tennis, skating all around the lake - please don't forget to bring along your sportswear!

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## Sponsors & Support

- European Society of Endocrinology
  - Deutsche Gesellschaft für Endokrinologie (DGE)
  - DFG Graduate Schools 1041 Uni Ulm & 1208 Charité
  - EnForCé
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## Travel information

The most convenient airport is **Zurich**, Switzerland. Alternatives are the regional airport **St. Gallen Altenrhein** (via Vienna) **or Friedrichshafen**. For train connections from the airports please turn to: <http://www.sbb.ch/en/>, <http://www.bahn.de/>, <http://fahrplan.oebb.at/>

At Bregenz train station you might take the city bus (one ride: 1,30 €; day ticket, valid for any bus connection within Bregenz: 2,30 €). A walk from the train station to the monastery takes about 15-20 minutes.

