



EnForCé

DFG KFO 103



BREGENZ SUMMER SCHOOL ON ENDOCRINOLOGY

Main Topics:

- **Hormones, Nuclear Receptors, Energy Metabolism and Obesity**
- **Hormones, Stem Cells, Musculoskeletal Research**
- **Hormones, Metabolism, Diabetes & Regenerative Therapy**

Sunday, July 26th - Thursday, July 30th, 2009

**Monastery Mehrerau
Bregenz, Austria**

**Sponsored by the DFG-funded Graduate Colleges 1041 & 1208 and the DFG KFO 103.
This is a joint project with the German Society of Endocrinology (DGE) and the
DGE Young Active Research (YAR).**

**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: direction@mehrerau.at
Web: <http://www.mehrerau.at>

Organizers: Josef Köhrle (Charité, Berlin) Franz Jakob (University of Würzburg),
Jochen Seufert (University of Freiburg) and Representatives of YAR

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CONFERENCE PROGRAM

SUNDAY, 26 JULY 2009

15:30



... AND INTRODUCTION OF PARTICIPANTS

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

Startup Session:

17:00 The Arlt Steroid System
Wiebke Arlt, Birmingham, UK

19:00 Dinner (Restaurant Klosterkeller)

20:30 Lake Stage Opera: "AIDA"

MONDAY, 27 JULY 2009

Morning Session 1: Young Investigator's Day Lectures

Coordination: Mona Mischke (Berlin), Frank Möller (Dresden), Mette Stoedter (Berlin)

08:30 Warm up and getting to know each other with joint sports activities

10:00 Sleeping disorders in the development of the metabolic syndrome - Coincidence or causal link?
Sebastian Schmid, Lübeck, Germany

10:50 ChIP & Co. - Detection of nuclear receptor-DNA interactions
Georg Kretzschmar, Dresden, Germany

11:40 Real-time analysis of glucose homeostasis in beta cells by fluorescence microscopy – the FLIPglu technology
Martin Kaminski, Hannover, Germany

12:30 Lunch

Sports and Fun

15:00 **Parallel Session 1: Interactive Courses (*will be repeated*)**

A1 Design, Development and Validation of a Metamorphosis Bioassay

Robert Opitz, Brussels, Belgium

B1 How to unravel the molecular secrets of prereceptor control of sex steroid action

Wiebke Arlt, Birmingham, UK

Coffee

**Afternoon Session 1:
NUCLEAR RECEPTORS: Action and Functions**

15:50 **Thyroid receptors and energy metabolism**

Jens Mittag, Stockholm, Sweden

16:40 **Glucocorticoids and Molecular Clocks**

Thomas Dickmeis, Karlsruhe, Germany

17:30 **Parallel Session 2: Interactive Courses (*will be repeated*)**

C1 Live Imaging in thyroid follicles

Davide Calebiro, Milano, Italy

D1 Vitamin D in health and disease

Franz Jakob & Regina Ebert, Würzburg, Germany

18:30 **Light Dinner**

20:00 **Poster Session 1: Introduction and short presentations in front of posters**

TUESDAY, 28 JULY 2009

Morning Session 2: Musculoskeletal Research

08:30 **Introductory Lecture:
Musculoskeletal Diseases**

Franz Jakob, Würzburg, Germany

09:20 **The TGF β receptor family and mesenchymal cell differentiation**

Petra Knaus, Berlin, Germany

10:10 **Coffee Break**

10:40 **Osteogenetic pathway of differentiation**

Regina Ebert, Würzburg, Germany

11:30 Parallel Session 3: Interactive Courses (*will be repeated*)

E1 GPCRs: structure and signalling

Heike Biebermann, Berlin, Germany

F1 Hormone assays: Development and validation

Martin Bidlingmaier, Munich, Germany

12:30 Lunch

Sports and Fun

15:00 Parallel Session 4: Interactive Courses (*will be repeated*)

G1 Thyroid hormones beyond the sphere of nuclear T3 receptors

Josef Köhrle, Berlin, Germany

H1 Inhibition of histone deacetylases – a useful approach to modulate gene expression?

Martin Göttlicher, Munich

Coffee

Afternoon Session 2: Stem Cells and Ageing

15:50 Mechanobiology – from stem cells to tissues

Grit Kasper, Berlin, Germany

16:40 Monogenetic syndromes reveal molecular mechanisms of ageing

Katerina Dimopoulou, Berlin, Germany

18:00 Light Dinner

19:00 After Dinner Lecture:

Epigenetic mechanisms modulating gene expression

Martin Göttlicher, Munich, Germany

21:15 Lake Stage Opera: "AIDA"

Parallel Session 5: Interactive Courses

08:30

A2 Design, Development and Validation of a Metamorphosis Bioassay

Robert Opitz, Brussels, Belgium

B2 How to unravel the molecular secrets of prereceptor control of sex steroid action

Wiebke Arlt, Birmingham, UK

09:30

C2 Live Imaging in thyroid follicles

Davide Calebiro, Milano, Italy

D2 Vitamin D in health and disease

Franz Jakob & Regina Ebert, Würzburg, Germany

10:20

Coffee Break

Morning Session 3: Novel Trends & Techniques

10:50

TIRF microscopy: The role of the β -cell membrane for insulin secretion

Kathrin Hatlapatka, Braunschweig, Germany

11:40

Parallel Session 6: Interactive Courses

E2 GPCRs: structure and signalling

Heike Biebermann, Berlin, Germany

F2 Hormone assays: Development and validation

Martin Bidlingmaier, Munich, Germany

12:30

Lunch

Sports and Fun

15:00

Parallel Session 7: Interactive Courses (*will not be repeated !*)

I1 How to unravel signaling pathways – the TGF β family

Petra Knaus, Berlin, Germany

J1 Thyroid receptors and energy metabolism

Jens Mittag, Stockholm, Sweden

Afternoon Session 3:

New Trends in Hormone Research & Human Physiology

15:50

Central hypothalamic regulation of glucose metabolism

Anneke Alkemade, Amsterdam, The Netherlands

16:40 **Functional brown adipose tissue in healthy adults**
Kirsi Virtanen, Turku, Finland

17:30 **Parallel Session 8: Interactive Courses**

G1 Thyroid hormones beyond the sphere of nuclear T3 receptors
Josef Köhrle, Berlin, Germany

H1 Inhibition of histone deacetylases – a useful approach to modulate gene expression?
Martin Göttlicher, Munich

18:30 **Light Lunch**

20:00 **Poster Session 2: Introduction and short presentations in front of posters**

21:15 **(Last chance for) Lake Stage Opera "AIDA" (during the meeting)**

THURSDAY, 30 JULY 2009

8:30 – 12:30
Young Investigator's Session 2

Coordination: Mona Mischke (Berlin), Frank Möller (Dresden), Mette Stoedter (Berlin)

08:30 **Morning Sports**

10:00 **Summary reports on Interactive Courses compiled and reported by students**

11:00 **General Discussion and evaluation of the topics and format of this year's Summer School**

12:00 **Feedback and discussion with the organizers, proposals and suggestions for 2010**

12:30 **Farewell and Lunch**

GENERAL INFORMATION

The Bregenz Summer School has a long standing tradition as an interactive hormone and endocrine related brain-storming and meeting place between 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.

The Collegium Bernardi can house up to 58 persons, 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 is July 15th !**

PARTICIPATION FEES

Registration

Acc.& board 4 days

Senior Scientists

€ 200.00	+ € 240.00	= € 440.00
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Students/Postdocs (including accommodation)

€ 100.00	+ € 180.00	= € 280.00
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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 240.00 EUR for senior scientists and 180.00 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.

For Students/Postdocs only: 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.

The **Bregenz Opera Festival** will be presenting Giuseppe Verdi's "AIDA" on the floating stage. Performances on Sunday, **July 26, 9:15 PM (34, 58, 84 EUR, to be paid on site) (or Tuesday 28)**. You may purchase your tickets via internet (<http://www.bregenzerfestspiele.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!

ALL SPEAKERS PLEASE NOTE:

This is a summer school ! **Please leave at least 15 minutes of your allocated time slot for discussion** and questions, organize your presentation as interactive as possible, and please give all attendees their chance to get most out your presentation by providing a general and specific introduction into your field of research. Please **prepare a short handout , 1 - 2 pages**, including your **short CV**, summarizing the most important messages of your presentation, the model and methods employed, some key slides and the take-home messages. Deadline for your e-mail submission to the Conference Office: elke.abdel-karim@charite.de is **July 14th**. For the layout of your slides presentation as well as for your handout please use **dark text on light backgrounds**.

ALL STUDENTS PLEASE NOTE:

Get the most out of the invited speakers, be prepared for the session, and get your questions and comments ready for the speakers.

Sponsors & Support

- Deutsche Gesellschaft für Endokrinologie (DGE)
 - EnForCé
 - DFG Graduiertenkollegs 1041 Uni Ulm & 1208 Charité
 - DFG KFO 103 Uni Würzburg
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Travel information

The most convenient airport is **Zurich**, Switzerland. Alternatives are **Friedrichshafen** or the regional airport **St. Gallen Altenrhein** (via Vienna). 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 (green line, 1 €), departing every 30 minutes. A walk from the train station to the monastery takes about 15-20 minutes.



- footpath/bikepath railway - opera - monastery
- bus route / street railway station - monastery