

Report from

Bregenz Summer School on Endocrinology: Nuclear Receptors in Health and Disease

Monastery Mehrerau, Bregenz, Austria, July 27-31, 2008

The summer school was jointly organised by CASCADE, DFG-funded Graduate College 1208, the German Society of Endocrinology (DGE) and DGE Junge Forschung Aktiv. The organisers were Martin Göttlicher (partner 10A), Wolfgang Wuttke (partner 8), Johanna Zilliacus (partner 1A) and Josef Köhrle from Charité Berlin.

Forty-two PhD students, post docs and senior scientists participated in the Summer School and 18 senior scientists were invited as speakers. Two participants and five speakers were from CASCADE partner groups. The participants represented 11 different countries.

The first afternoon of the summer school included introduction of the participants and a start up lecture by Dr Michael Skinner, Washington State University, USA on epigenetic and transgenerational effects of endocrine disrupters. Thereafter sessions on the following topics were given: Novel receptors, ligands and actions, Receptors and chromatin modification, Nuclear receptors and metabolic control, Novel techniques and courses, Epigenetics and epigenomics. A group of young investigators including one CASCADE PhD student had organised a session with lectures. Poster presentations and poster parties gave the participants opportunity to discuss their research project in depth.

The summer school received a very good evaluation from the participants with the overall score 4.3/5.

GK 1208 Charité
EnForCé



BREGENZ SUMMER SCHOOL ON ENDOCRINOLOGY:

Nuclear Receptors in Health & Disease

Sunday, July 27th - Thursday, July 31st, 2008

Monastery Mehrerau
Bregenz, Austria

Sponsored by the Network of Excellence CASCADE and the DFG-funded Graduate College 1208. This is a joint project with the German Society of Endocrinology and the DGE Junge Forschung Aktiv.

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

Venue: Monastery Mehrerau
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Austria
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E-mail: direction@mehrerau.at
Web: <http://www.mehrerau.at>

Organizers: M. Göttlicher (GSF, Munich), J. Köhrle (Charité, Berlin), W. Wuttke (University of Göttingen), J. Zilliacus (NoE CASCADE, Karolinska Institutet, Stockholm)

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FINAL PROGRAM

SUNDAY, 27 JULY 2008

15:30 WELCOME AND INTRODUCTION OF PARTICIPANTS

Participants will introduce themselves, their interest and field of work

Startup Session: Epigenetic and transgenerational effects of endocrine disrupters and endocrine active compounds

17:00 Michael Skinner **Epigenetic Transgenerational Actions of Endocrine Disruptors: The Ghosts in Your Genes**
Pullman, WA, USA

19:00 Dinner (Restaurant Klosterkeller)

20.30 Lake Stage Opera **TOSCA**

MONDAY, 28 JULY 2008

Morning Session 1: Young Investigator's Day
Lectures & Posters

Coordination: Kim Hyun Jin (Stockholm), Frank Möller (Dresden), Kostja Renko (Berlin)

08:30 Thomas Dickmeis **Glucocorticoids and circadian cell cycle rhythms**
Freiburg, Germany

09:20 Chiara Gabbi **Genetics of Dyslipidemia and Cholesterol Metabolism Disorders**
Stockholm, Sweden

10:10 Coffee Break

10:40 Frank Tüttelmann **Polymorphisms and male reproduction**
Münster, Germany

Course I

11:30 Siegfried Schwarz **Introductory course to molecular modeling - including homework !**
Innsbruck, Austria

12:30 Lunch Break

Afternoon Session 1: NOVEL RECEPTORS, LIGANDS, ACTIONS I

15:00 Franz Jakob **Non-genomic estrogen effects with a focus on bone**
Würzburg, Germany

15:50 Hubertus Jarry **Estrogen receptors and the heart**
Göttingen, Germany

16:40 Coffee Break

17:10 Ulla Hansen **Estrogen receptors and the vascular system**
Boston, USA

18:30 Dinner

19:30 – 22:00 Poster Session I - Introduction and short presentations in front of posters - Part 1 & Poster Party

TUESDAY, 29 JULY 2008

Morning Session 2: NOVEL RECEPTORS, LIGANDS, ACTIONS II

08:30 Christiane Otto **Dissociating progestin actions in vivo: rapid vs.**
Berlin, Germany **genomic**

09:20 Josef Köhrle **"Cool" thyroid hormone metabolites: chilling out**
Berlin, Germany

10:10 Coffee Break

Morning Session 3: RECEPTORS AND CHROMATIN MODIFICATION

10:40 Heike Biebermann **Body weight regulation and MC4 Receptor**
Berlin, Germany

11:30 Martin Göttlicher **HDAC isoforms in physiology and cancer**
Munich, Germany

12:30 Lunch Break & Sports

15:00 – 16:00 **Poster Discussion - Short presentations Part II & Coffee**

Interactive Seminar 1

16:00 Franz Jakob **Current Concepts of steroid receptor action**
Würzburg, Germany

Afternoon Session 4: NUCLEAR RECEPTORS AND METABOLIC CONTROL

16:50 Jens Mittag **Role of Thyroid Hormone Receptor alpha 1 in**
Stockholm, Sweden **Energy Metabolism**

17:40 Stephan Herzig **Receptors, glucocorticoids, and regulation of**
Heidelberg, Germany **metabolism**

18:30 Dinner

WEDNESDAY, 30 JULY 2008

Morning session 5: Novel Techniques and Courses

Interactive Courses

08:30 Martin Bidlingmaier **Novel sensitive hormone assays for rodent**
models
Munich, Germany

09:20 Heike Biebermann **Dissecting GPCR structure, function and**
signalling
Berlin, Germany

10:10 Coffee Break

INTRODUCTION TO EPIGENETICS – EPIGENOMICS

10:40 Wolfgang Wuttke
susceptibility to

Introduction: Epigenetic effects in
Göttingen, Germany **obesity**

11:30 - 12:30 Poster Discussion - Short presentations Part III

Afternoon Session 6: Epigenetics - Epigenomics

14:30 Coral A. Lamartinière
Birmingham AL, USA

Imprinting of mammary glands and prostates

15:20 Dieter Manthey
neurons by
Mainz, Germany

Imprinting (memory) of informations in
estrogens

16:10 Coffee Break

Interactive Seminars 2

16:40 Martin Göttlicher
Munich, Germany

Chromatin remodelling and gene expression

17:30 Josef Köhrle
examples
Berlin, Germany

Prereceptor control of ligand availability –
from steroid and thyroid hormones

18:30 Dinner

19:30 – 22:00 Poster Party II

THURSDAY, 31 JULY 2008

9:00 –12:30 **Young Investigator's Session 2**

Coordination: Kim Hyun Jin (Stockholm), Frank Möller (Dresden), Kostja Renko (Berlin)

Student Sessions

09:00 Short presentation and discussion of student's master, thesis, postdoc projects:

Will there be any impact of the Summer School contents on the further research plans?

Has any cooperation been initiated?

10:00 Take Home Summaries of the Presentations of the 2008 Summer School

10:30 Coffee Break

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

11:45 Feedback and discussion with the organizers, proposals and suggestions for 2009

13:00 Farewell

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

Students/Postdocs (including accommodation)

€ 100.00 + € 180.00 = € 280.00

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 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 Giacomo Puccini's "Tosca" on the floating stage. We have reserved a limited number of tickets for you on first come - first served basis for the performance on Sunday, July 27, 9:15 PM (46,00 EUR, to be paid on site). In case demand exceeds the supply, you may purchase your tickets via 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!

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.abdelkarim@charite.de is **July 14th**. For the layout of your slides presentation as well as for your handout please use **dark letters on a light background**.

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

- CASCADE
 - Deutsche Gesellschaft für Endokrinologie (DGE)
 - EnForCé
 - Graduiertenkolleg 1208, Charité
 - ICEE
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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