

## **Report from the Bregenz summer school on endocrinology: Nuclear receptors in health and disease**

**Monastery Mehrerau, Bregenz, Austria, July 30-August 3, 2006**

The Summer School was jointly organised by the Network of Excellence CASCADE, DFG-funded Graduate College 1208, the German Society of Endocrinology (DGE) and DGE Junge Forschung Aktiv. The organisers were M. Göttlicher (GSF), J. Köhrle (Charité Berlin), W. Wuttke (University of Goettingen) and J. Zilliacus (Karolinska Institutet).

Forty-two PhD students, post docs and senior scientists participated in the Summer School and 21 senior scientists were invited as speakers. Eight participants and 6 speakers were from CASCADE partner groups. The participants represented 8 different European countries.

The programme started with a plenary lecture by Jan-Åke Gustafsson, CASCADE Coordinator, on Recent highlights in estrogen signalling. The next session was organised by a group of young investigators from CASCADE and Charité Berlin. The topics chosen by the young investigators reached from proteomics to hormone replacement therapy. The rest of the programme was divided into three main topics: Nuclear receptors and immune modulation, Nuclear receptors and differentiation and Nuclear receptors in the gastrointestinal system. Each topic was first introduced in an introductory talk and invited experts presented thereafter specific aspects.

Thirty-three posters were presented by the participants. Short presentations of each poster were given during poster sessions.

The participants evaluated the Summer School using the standard form for evaluation of CASCADE schools. Generally they were very satisfied with the Summer school. The participants appreciated especially the scientific competence of the teachers, that sufficient time was allocated for discussions and the handouts that were given. More introductory talks for newcomers in the field and inclusion of small-group discussions were suggested for future summer schools.

Johanna Zilliacus, CASCADE Teaching Manager

## **BREGENZ SUMMER SCHOOL ON ENDOCRINOLOGY: Nuclear Receptors in Health & Disease**

**Sunday, July 30 to Thursday, August 3, 2006**

**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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**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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## PROGRAM

### SUNDAY, 30 JULY 2006

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16:00 WELCOME AND INTRODUCTION OF PARTICIPANTS

17:30 **Jan-Åke Gustafsson**, Stockholm **Plenary Lecture:  
Recent Highlights in Estrogen Signaling**

19:00 *Dinner  
Restaurant Klosterkeller*

### MONDAY, 31 JULY 2006

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#### Morning session: Young Investigators Day

08:30 **Patrick Diel**, Köln ER mediated effects on inflammation and proliferation in the gastrointestinal tract

09:10 **Thomas Schwend**, Stockholm Proteomics

10:00 **Dominik Rachon**, Gdansk/Göttingen HRT or NOT – risks and benefits of hormone replacement therapy

10:50 *Coffee Break*

11:30 **Bartosz Wasag**, Gdansk Molecular biology of gastrointestinal stromal tumors

12:10 **Ilpo Huhtaniemi**, London Genetically modified mouse models in studies of the pituitary-gonadal axis

13:00 *Lunch Break*

**Afternoon session: Nuclear Receptors and Immune Modulation**

14:30 **Josef Köhrle**, Berlin Introduction: Nuclear receptor signaling concepts

15:00 **Andrew Cato**, Karlsruhe Attenuation of IgE receptor signalling in mast cells – a molecular model for the anti-inflammatory action of glucocorticoids

15:50 **Martin Göttlicher**, Munich Nuclear receptor crosstalk (Part I)

16:30 *Coffee Break*

17:00 **Martin Göttlicher**, Munich Nuclear receptor crosstalk (Part II)

17:45 **Sari Mäkelä**, Turku Transgenic mice expressing aromatase as a model for male infertility associated with chronic inflammation in the testis

18:30 *Dinner*

**19:30 – 22:00 Poster party** Poster Session I - Introduction and short presentations Part I

## TUESDAY, 1 AUGUST 2006

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### Morning session: Nuclear Receptors and Differentiation

- 08:30    **Günter Vollmer**, Dresden                    Introduction: Update on estrogen receptor signaling and cross talk
- 09:00    **Hubertus Jarry**, Göttingen                    Nuclear receptors and hypothalamic pituitary feed-back regulation
- 09:50    **Gabriele Rune**, Hamburg                    Nuclear receptors and neuronal regeneration
- 10:40    *Coffee Break*
- 11:10    **Franz Jakob**, Würzburg                    Introduction: Stem cell concepts
- 11:40    **Franz Jakob**, Würzburg                    Role of hormones in osteogenic stem cell differentiation
- 12:30    *Lunch Break & Sports*

### Afternoon Session

- 15:00 – 16:00    **Poster Discussion - Short presentations Part II**
16. 00    *Coffee break*
- 16:30    **Catherine Brisken**, Lausanne                    Paracrine signaling in the breast
- 18:30    *Dinner*

- 19:30 – 22:00                    **Poster Party**



## THURSDAY, 3 AUGUST 2006

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### **Morning:**

09:00    **Take Home Summaries**

10:00    **General Discussion and evaluation of the topics and format of this year's Summer School**

11:00    *Coffee break*

11:30    **Feedback and discussion with the organizers, proposals and suggestions for 2007**

12.30    **Farewell**