

# Young Researcher Vision Camp

An international  
Career building Symposium

JUNE 25TH - 27TH, 2010

CASTLE WILDENSTEIN  
D-88637 LEIBERTINGEN, GERMANY



-An international Career building Symposium-

[www.vision-camp.eu](http://www.vision-camp.eu)

**DATE:** JUNE 25TH UNTIL JUNE 27TH, 2010  
**LOCATION:** CASTLE WILDENSTEIN  
D-88637 LEIBERTINGEN, GERMANY  
**TARGET GROUP:** YOUNG INVESTIGATORS IN VISION RESEARCH &  
OPHTHALMOLOGY

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# FINAL AGENDA

## FRIDAY, JUNE 25TH, 2010

- until 16:30      Arrival (for details see 'How to get there')
- 18:00-19:00      **KEYNOTE LECTURE I**  
**'STEM CELL RESEARCH: MYTH AND REALITY'**  
**DR DUSKO ILIC MD PHD**  
Senior Lecturer in Stem Cell Science, School of Biomedical and Health Sciences, Wing Guy's Hospital Great Maze Pond London, UK
- 19:30-open end      Open-air Barbecue (campfire outside the castle)  
courtesy supported by EVER – [www.ever.be](http://www.ever.be)



## SATURDAY, JUNE 26TH, 2010

- 06:00-07:00      Early morning exercises
- 07:00              Breakfast
- 08:00-09:00      **SESSION I: 'FUNCTION AND EXPLOITATION OF RETINAL MICRORNAS'**  
CHAIR: Arpad Palfi, Dublin, Ireland
- **"Data mining of miRNA expression from retinal gene expression microarray"**  
Jun Yin, Bioinformatics Laboratory, Conway Institute, University College Dublin, Ireland
  - **"MicroRNAs couple cell fate and developmental timing in retinal histogenesis"**  
Sarah Decembrini, Developmental Biology Unit, Institute of Child Health, University College London, UK
  - **"Regulation of microRNA expression in an in vitro model of retinal cell differentiation"**  
Laura Harwood, Centre for Vision Science, Queen's University Belfast, UK
  - **"Exploitation of microRNA-based gene repression in Rhodopsin-linked retinitis pigmentosa"**  
Claire Kilty, Smurfit Institute of Genetics, Trinity College Dublin, Ireland

09:00-10:00

## **SESSION II: 'PROTEOMICS IN VISION RESEARCH'**

CHAIR: Stefanie Hauck, Munich, Germany

- **"Application of LC-MS for microRNA Target Identification in Retinal Degeneration"**  
Carol Loscher, Trinity College, Dublin, Ireland
- **"Dissecting the connecting cilium protein complex"**  
Karlien Coene, Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands
- **"Identification of interaction networks relevant for retinal degeneration"**  
Matteo Gorza, Helmholtz Zentrum München, Neuherberg
- **"Differential protein expression in vitreous of autoimmune uveitis"**  
Florian Hofmaier, Ludwig Maximilians University, Munich, Germany

10:00-10:30

Coffee Break

10:30-11:30

## **SESSION III 'CLINICAL TRIALS IN VISION RESEARCH'**

CHAIR: Monika Fleckenstein, Bonn, Germany

- **"FAM-Study - a prospective longitudinal natural history study in AMD"**  
Arno P. Göbel, University of Bonn; Germany
- **"Improving Outreach Screening for Cataract in India"**  
David Kupitz, University of Bonn, Germany
- **"Vision mediated by a subretinal electronic implant"**  
Katarina Stingl, Department of Ophthalmology Tuebingen, Germany
- **"Clinical Trials - Anything we should care about?"**  
Robert P. Finger, University of Bonn, Germany

11:30-12:30

## **SESSION IV 'GENE THERAPY FOR RETINAL DISEASE'**

CHAIR: Sophia Millington-Ward, Dublin, Ireland

- **"Evaluation of rAAV vectors for gene replacement therapy in a new canine model of Leber congenital amaurosis: the RPGRIP1 deficient dachshund dog"**  
Elsa Lheriteau, Nantes, France
- **"Protection of photoreceptor cells in a mouse model of RP10"**  
Lawrence Tam, Smurfit Institute of Genetics, Trinity College Dublin, Ireland
- **"Retinal Gene Therapy"**  
Stylios Michalakis, University of Munich, Germany
- **"Inhibition of light induced photoreceptor apoptosis by AAV-mediated modulation of the inner blood retina barrier and systemic injection of calpain inhibitors"**  
Anh Thi Hong Nguyen, Smurfit Institute of Genetics, Trinity College Dublin, Ireland

12:30-14:00

Lunch

14:00-15:00	<p><b>SESSION V: ‘NONMAMMALIAN VISION’</b>  CHAIR: Edda Kastenhuber, Zuerich, Switzerland</p> <ul style="list-style-type: none"> <li>• <b>“Expressional and Functional Analysis of mGluR6 in the Zebrafish Retina”</b>  Marion Haug, University of Zurich, Institute for Molecular Life Sciences, Zurich, Switzerland</li> <li>• <b>“Touchdown: Visual Input Orchestrating Landings in Insects”</b>  Torill Kornfeldt, Lund University, Department of Cell and Organism Biology, Zoology, Lund, Sweden</li> <li>• <b>“Processing of Polarization Information in the Central Complex of the Locust Brain”</b>  Miklós Bech, Philipps University of Marburg, Department of Biology - Neurobiology/Ethology, Marburg, Germany</li> <li>• <b>“Visual Behavior of Adult Zebrafish”</b>  Kaspar Müller, University of Zurich, Institute for Molecular Life Sciences, Zurich, Switzerland</li> </ul>
15:10-15:40	<p><b>ROUNDTABLE DISCUSSION I</b>  <b>Career opportunities - Academia versus Industry</b>  <b>Arnd Carrette</b>, Pharm-Allergan GmbH  <b>Marius Ueffing</b>, Department for Ophthalmology, Tuebingen Germany</p>
15:50-16:20	<p><b>ROUNDTABLE DISCUSSION II</b>  <b>Research – Family – Career</b>  <b>Anneke den Hollander</b>, Radboud University Nijmegen Medical Centre, Department of Ophthalmology, The Netherlands</p>
16:20-16:50	Coffee Break
16:50-17:20	<p><b>ROUNDTABLE DISCUSSION III</b>  <b>Career Development and Transferable Skills</b>  <b>T. Wheeler-Schilling, S. Diether, M. Bitzer</b>  Research Management Unit, Department for Ophthalmology, University Hospital Tuebingen</p>
17:30-18:00	<p><b>ROUNDTABLE DISCUSSION IV</b>  <b>Postdoc time abroad – where to go?</b>  <b>Per Ekstroem</b>, Lund University, Lund, Sweden</p>
18:15-19:00	<p><b>KEYNOTE LECTURE II</b>  <b>‘VISION OF INNOVATION IN OPHTHALMOLOGIC DEVELOPMENT’</b>  <b>PROF. CRAIG SMITH, MD</b>  CSU Forum Chair, Clinical Science Unit Head Ophthalmology, Novartis Pharma AG</p>
19:00-19:10	Group Photo
19:15-open end	<b>POSTER SESSION</b>
20:30-open end	Music, dancing and buffet in the inner bailey

## SUNDAY, JUNE 27TH, 2010

07:00-08:00 Early morning exercises

08:00 Breakfast

### 09:00-10:00 **SESSION VI 'CELL DEATH MECHANISMS IN INHERITED RETINAL DEGENERATION'**

CHAIR: Francois Paquet-Durand, Tuebingen, Germany

- **"The Role of PARP in Photoreceptor Cell Death"**  
Ayse Sahaboglu, Institute of Ophthalmic Research, Tuebingen, Germany
- **"Epigenetic Markers in Retinal Degeneration"**  
Pietro Farinelli, Lund University, Sweden
- **"Identification of Müller Glia derived Neuroprotective compounds"**  
Patricia del Rio Medina, Helmholtz Zentrum Munich, Neuherberg, Germany
- **"Oxidative stress and cell death in two models of retinal pathologies"**  
Violeta Sánchez Vallejo, University of Valencia, Spain

10:00-11:00



### **SESSION VII: 'GENES AND MECHANISMS INVOLVED IN MYOPIA DEVELOPMENT'**

CHAIR: Marita Feldkämper, Tuebingen, Germany

- **"The role of genetics in susceptibility to environmentally induced myopia"**  
Paul Chen, Cardiff, UK
- **"Contrast adaptation and myopia"**  
Arne Ohlendorf, Tuebingen, Germany
- **"Eye shapes as result of various types of imposed defocus"**  
Tudor Tepelus, Tuebingen, Germany
- **"Hormones in myopia development"**  
Alexandra Marcha Penha, Tuebingen, Germany

11:00-12:00



### **SESSION VIII 'AXON GLIAL INTERACTIONS IN THE OPTIC NERVE'**

CHAIR: Virginia Bay, Portsmouth, UK

- **"NMDA receptors and injury in the optic nerve"**  
Tahani Huria, Cell Physiology and Pharmacology, University of Leicester, UK
- **"GSK3 $\beta$  signalling and glial differentiation in the optic nerve"**  
Andrea Rivera, Institute of Biomolecular and Biomedical Science, University of Portsmouth
- **"Consequences of impaired oligodendrocyte differentiation for optic nerve function."**  
Aiman Saab, Max Planck Institute of Experimental Medicine, Goettingen, Germany
- **"Can MRI distinguish between inflammatory and non-inflammatory demyelinating lesions along the optic nerve of a mouse model of"**

**Pelizaeus-Merzbacher disease? A comparison of histological measures and MRI data”**

Fredrik Gruenenfelder, Institute of Comparative Medicine, University of Glasgow, UK

12:00-13:00

**SESSION IX ‘GENETICS OF EYE DISEASES’**

CHAIR: Kinga Bujakowska, London, UK

- **“Genotypes and phenotypes of the DB/FOAR syndrome”**  
Tina Storm, Anatomisk Institut, Århus Universitet, Denmark
- **“IQCB1 mutations in patients with Leber congenital amaurosis”**  
Alejandro Estrada, Nijmegen Centre for Molecular Life Sciences
- **“Novel nonsense, frameshift and splice site mutations in patients with age-related maculopathy”**  
John van de Ven, Nijmegen Centre for Molecular Life Sciences”
- **“Alterations of the 5’ untranslated leader region of SLC16A12 are associated with development of age-related cataract in a female patient.”**  
Jurian Zürcher, Institute of Medical Genetics University of Zuerich, Switzerland

13:00-14:30

FAREWELL Lunch

## CONDITIONS

- Session Chairs:**
- Young Postdocs/MDs (within the first years of their (research) career)
  - Each Session chair has to organise FOUR speakers from an international environment (maximal two speakers are recommended from the 'own laboratory')
- Topic:**
- Each Session Chair has to define a topic in the area of Vision Research & Ophthalmology
- Speakers:**
- Exclusively young academics (doctoral students or equivalent) giving specific talks on the topic
- Senior Investigators:**
- are warmly welcome and encouraged to participate, however are not allowed to give talks
- Attention:**
- All participants have to register themselves under <http://www.vision-camp.eu>
- Costs:**
- During the event will be covered, however no travel costs! The registration fee does not cover cost for accompanying persons – please enquire for details [info@vision-camp.eu](mailto:info@vision-camp.eu)

## POSTER SESSION

A poster session is planned for Saturday evening, starting at 19:15. For the respective abstracts we will ask starting March 1st, 2010. For the submission of the abstracts an on-line tool will be available on the website [vision-camp.eu](http://www.vision-camp.eu) from March, 1<sup>st</sup> 2010.

Deadline for the abstract submission: May, 15<sup>th</sup> 2010.

## DRESSCODE

Outdoor clothing & rucksack

## CHILD CARE

We will try to organize child care for the meeting in case any of the participants need it. If you plan to bring your children to the meeting, please send details about their age, the times when you will presumably need child care (according to the meeting schedule) and any special needs to...

## FIFA WORLD CUP SOUTH AFRICA 2010

We are planning to set up a public viewing area of the "Round of 16 Matches" in the evening.

## THE MEDIEVAL WILDENSTEIN CASTLE SITUATED...



... in the administrative district of Leibertingen is perched high above the Danube valley on a rock ledge.

The impressive castle dating back to the 11th century looks like a fortress and, besides the Beuron monastery and other castles and ruins nearby, it is a popular place with hikers and visitors in the romantic Danube valley.

## HOW TO GET THERE

### **By car:**

Take the A81 (Stuttgart-Singen), exit Tuttlingen, or the B313 Stockach–Sigmaringen, or the B311 (Riedlingen-Messkirch), exit Leibertingen.

### **By plane:**

There are several international airports close to castle Wildenstein: Stuttgart, Friedrichshafen and Memmingen, all in Germany and Zurich in Switzerland.

### **By train:**

Wildenstein can be reached via the train station in Beuron (6 km away in the Danube valley). Bus transfer to the youth hostel can be arranged. From the train station to the youth hostel it is a 5 km walk, to the town of Leibertingen it takes about 15 minutes.

### **More information**

Website of castle Wildenstein: <http://www.jugendherberge-burg-wildenstein.de/>