

Young Researcher Vision Camp

An international
Career building Symposium

JUNE 12TH - 14TH, 2015

CASTLE WILDENSTEIN
D-88637 LEIBERTINGEN, GERMANY



-An international Career building Symposium-

www.vision-camp.eu

DATE: JUNE 12TH UNTIL JUNE 14TH, 2015
LOCATION: CASTLE WILDENSTEIN
D-88637 LEIBERTINGEN, GERMANY
TARGET GROUP: YOUNG INVESTIGATORS IN VISION RESEARCH &
OPHTHALMOLOGY

COURTESY SPONSORED BY


charles river
accelerating drug development. exactly.

Thermo
SCIENTIFIC



PRELIMINARY AGENDA

updated: 2015-06-08

FRIDAY, JUNE 12TH, 2015

- until 16:30 Arrival (for details see 'How to get there')
- 18:00 – 18:05 Welcome
- 18:05 - 19:05 **KEYNOTE LECTURE I**
"Parallel processing in the Mammalian Retina"
Heinz Wässle
Max-Planck-Institute for Brain Research, Frankfurt, Germany
- 19:30 - open end Open-air Barbecue

SATURDAY, JUNE 13TH, 2015

Each session consists of 4 talks a 10min; total 60 min per session; including introduction (up to 3 min) and discussion

- 06:30 - 07:15 Early morning exercises
- 07:30 – 8:30 Breakfast
- 08:30 - 09:30 **SCIENTIFIC SESSION I: 'PHOTORECEPTOR CELL DEATH: MECHANISMS AND TREATMENTS'**
Chair: Francois Paquet-Durand, Department for Ophthalmology, Tuebingen, Germany
- **"Increased calcium influx via the synaptic terminal may contribute to cone photoreceptor cell death"**
Manoj Kulkarni (Institute for Ophthalmic Research, Tübingen)
 - **"ROS-related aggrephagy in Retinal Pigment Epithelial cells"**
Luis Bonet-Ponce (Catholic University of Valencia)
 - **"Pharmacological restoration of visual function in zebrafish following histone deacetylase inhibitor treatment"**
Conor Daly (School of Biomolecular and Biomedical Science, Dublin)
 - **"PARP inhibition as a strategy for the treatment of hereditary retinal degeneration"**
Melanie Barth (Institute for Ophthalmic Research, Tübingen)

09:30 - 10:30

SCIENTIFIC SESSION II: 'THERAPEUTIC STRATEGIES FOR RETINAL DEGENERATIVE DISEASES'

Chair: Dominik Fischer, Nuffield Laboratory of Ophthalmology, Oxford, UK

- **"Serous retinopathy associated with MEK inhibition (binimetinib)"**
Elon H.C. van Dijk (Leiden, NL)
- **"Translational read-through of retinal dystrophy causing nonsense mutations"**
Fabian Möller (Mainz, DE)
- **"Pre-treatment characteristics in Choroideremia patients"**
Immanuel P. Seitz (Tuebingen, DE)
- **"Cone rescue through gene therapy in Retinitis Pigmentosa"**
Daniyar L. Dauletbekov (Oxford, UK)

10:30 - 11:00

Coffee Break

11:00 - 12:00

SCIENTIFIC SESSION III: 'SPINELESS EYES: HOW INVERTEBRATES SEE THE WORLD'

Chair: Emily Baird, Lund Vision Group, Lund University, Sweden

- **"A Twisted View of the World: Why Mantis Shrimp Rotate Their Eyes"**
Ilse Daly (University of Bristol, UK)
- **"Seeing with primitive eyes: Vision in marine worms"**
John Kirwan (Lund University, Sweden)
- **"Looking through the Schwarzwald: Spatial vision in bees"**
Aravin Chakravarthi (Lund University, Sweden)
- **"Hoverflies' visual responses depends upon the statistics of natural scenes"**
Olga Dyakova (Uppsala University, Sweden)

12:00 - 13:00

SCIENTIFIC SESSION IV: 'NEURONAL WIRING OF THE RETINA'

Chair: Timm Schubert, Centre for Integrative Neuroscience, Tuebingen, Germany

- **"Impaired electroretinogram responses in ceramide synthase-deficient mice"**
Bianca Brügger (University of Oldenburg)
- **"Receptive field properties of alpha-like ganglion cells from retinas with GluA4-deficient horizontal cells"**
Sebastian Ströh (University of Oldenburg)
- **"Retinal processing around saccades"**
Saad Idrees (Centre for Integrative Neuroscience, Tübingen)
- **"Functional characterization of the signal processing chain in the mouse early visual system"**
Miroslav Roman Roson (Centre for Integrative Neuroscience, Tübingen)

13:00 - 14:00

Lunch

14:00-15:00

SCIENTIFIC SESSION V: 'IMMUNOLOGY OF THE EYE'

Chair: Marcus Karlstetter, Experimental Immunology of the Eye, Department of Ophthalmology, University of Cologne, Germany

- **"Interplay between complement system, inflammasome activation, and RPE atrophy in AMD"**
Carolina Brandstetter (Department of Ophthalmology, University of Bonn)
- **"Recombinant and Endogenous Expression of Age-Related Maculopathy Susceptibility Protein 2 (ARMS2)"**
Yuchen Lin (Leibniz Institute for Natural Product Research and Infection Biology, Jena)
- **"IFN β -treatment as a therapy targeting microglia in a murine model of retinal degeneration"**
Anika Lückoff (Department of Ophthalmology, University of Cologne)
- **"Translocator protein (18 kDa) (TSPO) and microglia as a therapeutic target in retinal degeneration"**
Rebecca Scholz (Department of Ophthalmology, University of Cologne)

15:00 - 16:00

KEYNOTE LECTURE II

'On preventing degenerative retinopathies: the reality of extreme genetic heterogeneity'

Peter Humphries
Trinity College Dublin, Ireland

16:00 - 16:30

Coffee Break

16:30 - 17:10

EDUCATIONAL SESSION I

'Acceleration of the innovation process in research'

Siegfried Wahl, ZEISS Vision Science Lab, Germany

17:10 - 17:50

EDUCATIONAL SESSION II

'How to develop a career outside of academia?'

Pieter J. Gaillard

17:50 - 18:30

EDUCATIONAL SESSION III

'From the idea to the invention – Intellectual Property in the industry'

Adam Muschielok – Rodenstock GmbH, Germany



18:30 - 18:45

GROUP PHOTO

19:00 - open end

POSTER SESSION

20:30 - open end

Buffet in the inner bailey

SUNDAY, JUNE 14TH, 2015

Each session consists of 4 talks a 10min; total 60 min per session; including introduction (up to 3 min) and discussion

7:00 - 7:45 Early morning exercises

8:00 – 9:00 Breakfast

9:00 - 10:00 **SCIENTIFIC SESSION VI: 'VERTEBRATE ANIMAL AND CELL MODELS FOR FUNCTIONAL AND THERAPEUTIC RESEARCH ON IRDs'**

Chair: Erwin van Wyk, Department of Otorhinolaryngology, Radboudumc, Nijmegen, The Netherlands

- **"Using zebrafish as a model to develop a therapeutic intervention for USH2A-associated retinitis pigmentosa"**
Ralph Slijkerman (Radboudumc Nijmegen, The Netherlands)
- **"Generation of a zebrafish eyes knock-out model for inherited retinal degeneration"**
Muriel Messchaert (Radboudumc Nijmegen, The Netherlands)
- **"Analyzing retinal degeneration in a canine model of RPE65 deficiency"**
Fei Song (Justus-Liebig University, Giessen, Germany)
- **"Towards an in vitro model for type II Leber congenital amaurosis"**
Florian Udry (Hôpital Ophtalmique Jules-Gonin, Lausanne, Switzerland)

10:00-11:00 **SCIENTIFIC SESSION VII: 'VISUAL ADAPTATION TO THE NATURAL AND OPTICAL ENVIRONMENT'**

Chair: Arne Ohlendorf, Zeiss Vision

- **"Monocular adaptation to spatially varying distortions"**
Selam Habtegiorgis (ZEISS Vision Science Lab, Tübingen, Germany)
- **"Visual perception and adaptation to bifocal patterns"**
Aiswaryah Radhakrishnan (Visual Optics and Biophotonics Lab, Madrid, Spain)
- **"Development of fine-tuned aberration"**
Tomasz Kozlowski (Lund Vision Group, Lund, Sweden)
- **"Lack of oblique astigmatism in the chicken eye"**
Felix Maier (Section of Neurobiology of the eye, Tübingen, Germany)

11:00 – 12:00 **POSTER AWARDS**

- **Carl Zeiss Award Winners**
Short presentations (each 5 minutes)
- **Charles River Award Winners**
Short presentations (each 5 minutes)

12:00 - 13:30 FAREWELL Lunch (optional)

CONDITIONS

- Attention:**
- All participants have to register themselves under <http://www.vision-camp.eu>
- Costs:**
- The costs for accommodation, catering and coffee breaks 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
- Abstracts**
- All speakers and poster presenters have to submit online an abstract under the following URL: <http://www.vision-research.eu/index.php?id=850>

YOUNG RESEARCHER VISION CAMP 2015

- Participation Fee**
- **Young Researcher**
EUR 121,-- (incl. 21% VAT)
 - **Senior Researcher / Other / Private Sector**
EUR 242,-- (incl. 21% VAT)

Payment Information Please transfer the participation fee to:
European Vision Institute EEIG
Rue du Trône 98
B-1050 Brussels
Belgium
Keyword: ***VisionCamp2015_Firstname_Lastname***

Banking Information COMMERZBANK Belgium S.A./N.V.
Boulevard Louis Schmidt 87
B-1050 Brussels
Bank Account Number: 179-6170021-69
IBAN Number: BE71-1796-1700-2169
SWIFT-Code: COBABEBX

POSTER SESSION

A poster session is planned for Saturday evening, starting at 19:30. For the respective abstracts we will ask starting April 10th, 2015. For the submission of the abstracts an on-line tool will be available on the website [vision-camp.eu](http://www.vision-camp.eu). (<http://www.vision-research.eu/index.php?id=850>)

Deadline for the abstract submission: May, 15th 2015.

Three poster awards will be available, courtesy sponsored by Carl Zeiss AG.

- First Prize: 250 Euro
- Second Prize: 150 Euro
- Third Prize: 100 Euro

One poster award will be available, courtesy sponsored by Charles River

- Award Prize: 200 Euro

DRESSCODE

Outdoor clothing & rucksack

ORGANISATION

Scientific Organisation Committee

- Norbert Kinkl
- Francois Paquet-Durand
- Timm Schubert
- Thomas Wheeler-Schilling

Local Organisation Committee

- Michaela Bitzer
- Sigrid Diether
- Philipp Hunger
- Vera Schmidt

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/>