

Young Researcher Vision Camp

An international
Career building Symposium

JUNE 30TH - JULY 2ND, 2017

CASTLE WILDENSTEIN
D-88637 LEIBERTINGEN, GERMANY



-An international Career building Symposium-

www.vision-camp.eu

DATE:

JUNE 30TH UNTIL JULY 2ND, 2017

LOCATION:

CASTLE WILDENSTEIN
D-88637 LEIBERTINGEN, GERMANY

TARGET GROUP:

YOUNG INVESTIGATORS IN VISION RESEARCH &
OPHTHALMOLOGY

COURTESY SPONSORED BY



EYERISK

MYFUN



switch
Board



PRELIMINARY AGENDA

updated: 2017-06-23

FRIDAY, JUNE 30TH, 2017

until latest 16:00	Arrival & Registration (for details see 'How to get there')
16:25 - 16:30	Welcome
16:30 - 17:00	Keynote Lecture I "Primary Cilia in the Visual System" Helen May-Simera
17:00 - 18:00	SESSION 1 – "Retinal development and homeostasis" Chair: Jérôme Roger <ul style="list-style-type: none">• Elena Braginskaja: "Glycogen Synthase Kinases 3 are Critical for Retinal Development and Homeostasis"• Giuliana Gagliardi: "Using human induced pluripotent stem cells to generate photoreceptors for cell therapy"• Annaig Hamon: "Role of Yap in retinal homeostasis"• Vithiyanjali Sothilingam: "New insights into the mechanisms of retinal degeneration due to Phosphodiesterase 6 (PDE6) deficiency"
18:00 - 19:00	SESSION 2 – "A View on Vision through Invertebrate Eyes" Chair: Gavin Taylor <ul style="list-style-type: none">• Mikael Ljungholm: "Simulating spatial vision with raytracing"• Emelie Brodrick: "Visual adaptation to light and dark in crustaceans"• Alexis Buatois: "Behavioral assays on visual discrimination learning in tethered bee"• Andrea Adden: "Navigation in the Bogong moth"
19:00 - 19:30	Keynote Lecture I "Out of breath – hypoxic signalling in the retina" Christian Grimm
19:45 - open end	Open-air Barbecue
21:00 – 22:00	[Optional] Evening Tour with Wild Life Ranger in the Valley Danube (due to extra charges; 5€/person) [Optional] Evening Tour through the Medieval Castle and its hidden Secrets (due to extra charges; 5€/person)

SATURDAY, JULY 1ST, 2017

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

06:00 - 07:00 Early morning exercises

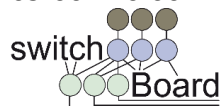
07:00 - 08:00 Breakfast

08:00 - 09:00 **Session 3 – “Cell Death Mechanism”**

Chair: Francois Paquet-Durand

- **Soumyaparna Das:** “Targeting CNG-Ca²⁺ channels for the treatment of hereditary photoreceptor degeneration”
- **Michael Power:** “Imaging of Ca²⁺ and calpain activity in dying photoreceptors”
- **Stephen Carter:** “RAB-28, linked to retinal degeneration, associates with the BBSome and IFT in *C. elegans*”
- **Merve Sen:** “Effects of Sustained Delivery of VCP Inhibitors in Animal Models of Retinitis Pigmentosa”

09:00 - 10:00



switchBoard Session

Session 4 – “Retinal processing”

Chair: Timm Schubert

- **Meng-Jung Lee:** “Electrical imaging bipolar cell activity using high-density micro-electrode arrays”
- **Perna Srivastava:** “Alterations in bipolar cell function due to degeneration of the outer retina”
- **Maxime Zimmermann:** “Chromatic processing in the zebrafish inner retina”
- **Janina Leyk:** “HDAC6 – a novel target for retinal degeneration?”

10:00 - 10:30 Coffee Break

10:30 - 11:30



EYERISK-Session I

Session 5: Risk factors and disease pathways in age-related macular degeneration (AMD)

Chair: Anneke den Hollander

- **Anneke den Hollander:** “The EYE-RISK project”
- **Annemarie Colijn:** “Risk profiling for late AMD”
- **Eveline Kersten:** “Identification of systemic biomarkers in AMD”
- **Soufiane Ajana:** “Prediction models in high dimensional settings: Application to AMD”

EYERISK Session II

Session 6: AMD disease modelling

Chair: Berta de la Cerda Haynes

- **Sofia Calado:** "Patient-specific iPSC-derived retinal pigment epithelial cells (RPE) for modelling AMD"
- **Fran Pool:** "Computer modelling of Vitamin A metabolism or Complement Activation in the sub-RPE space"
- **Eduardo Rodriguez:** "A Swine Model of Selective Geographic Atrophy Mimicking Atrophic AMD"
- **Ana Belén García Delgado:** Animal models for the study of AMD

12:30 - 13:00	Pickup of Packed Lunches
13:00 - 16:00	Bus Excursion to the "Campus Galli" More information on www.campus-galli.de (due to extra charges; 10€/person)
16:00 - 16:30	Coffee Break
16:30 - 17:30	Session 7: Novel Developments in Visual Rehabilitation Chair: Arne Ohlendorf <ul style="list-style-type: none"> • Maria Barraza: "Novel strategies to enhance visual performance using simulation of central vision loss for the visually impaired" • Alex Ochakovski: "Gene therapy - enabling cone vision in complete achromatopsia" • Stefan Küster, "Effect of explorative saccade training to search-tasks in children with suprachiasmal lesions" • Sunetra Basavaraju, "Strategies for vision rescue: The electrical chip - a sub retinal implant."
17:45 - 18:30	Keynote Lecture III: "How to shape your Career in Industry?" Christer Säfholm
18:35 - 18:45	Group Photo
19:00 - open end	Poster Session
19:30 - open end	Buffet in the inner bailey

SUNDAY, JULY 2ND, 2017

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

7:00 - 8:00 Early morning exercises

8:00 - 9:00 Breakfast

9:00 - 10:00 **MYFUN Session**



Session 8 – “Understanding in myopia”

Chair: Arne Ohlendorf

- **Barbara Swiatczak:** „In vivo markers of myopia”
- **Sandra Gisbert:** “Inter-individual variability of myopia”
- **Pablo Sanz Diez:** “Adaptation to contrast and its influence on accommodation”
- **Petros Papadogiannis:** “Effect of chromatic aberration on detecting the sign of defocus”

10:00 - 11:00 **Session 9 – “Genetics and Therapeutics of Retinal Degenerations”**

Chair: Alex Garanto

- **Franziska Wagner:** „The status of DNA repair mechanisms in the healthy and degenerating retina”
- **Thilo Buck:** „Human iPSCs-derived retinas as tool for AAV-vector selection in retinal gene replacement therapy”
- **Sarah Naessens:** „Antisense oligonucleotide-based splice correction of two neighboring deep-intronic ABCA4 mutations causing Stargardt disease”
- **Matthijs de Boer:** „Studying visual perception in inherited retinal dystrophies with optogenetics: using Lca5^{-/-} mice as a model”

11:00 - 12:00



ZEISS Poster Awards

Poster Awards & Talks of the Awardees

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 2017

- Participation Fee**
- **Young Researcher**
EUR 181,50 (incl. 21% VAT)
 - **Senior Researcher / Other / Private Sector**
EUR 363,-- (incl. 21% VAT)
- Payment Information** Please transfer the participation fee to:
European Vision Institute EEIG
Rue du Trône 98
B-1050 Brussels
Belgium
Keyword: ***VisionCamp2017_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 January 1st, 2017. 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, 25th 2017.

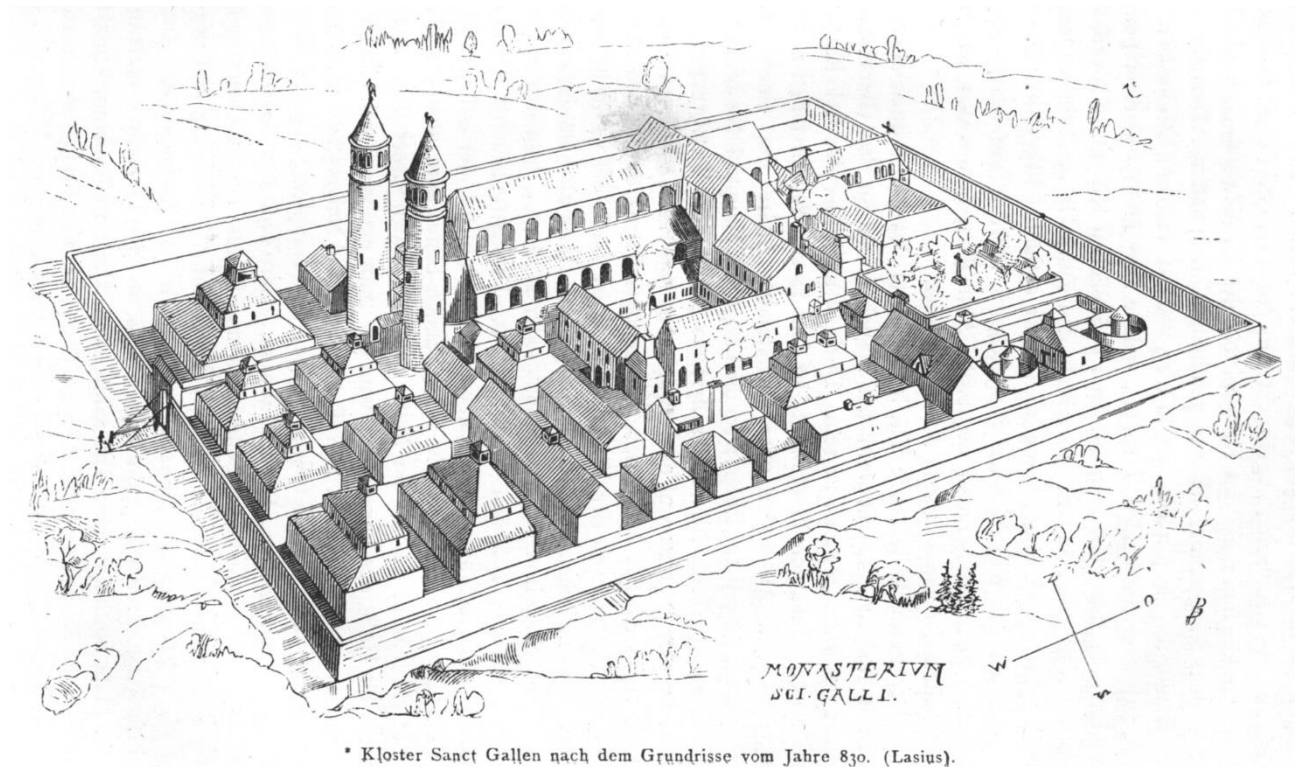
Three poster awards will be available, courtesy sponsored by Carl Zeiss AG.

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

DRESSCODE

Outdoor clothing & rucksack

CAMPUS GALLI – THE CAROLINGIAN MONASTERY TOWN



More than 1,200 years ago, monks on Reichenau Island drew up the perfect plan for a monastery. In addition to a large church, the plan also included craftsmen's houses, stables and gardens to ensure the monastery was self-sufficient. After centuries gathering dust in the archives of the abbey library in St.Gallen, this plan is now being put into practice. It will be several decades until all the buildings shown on the plan for the monastery are finished. In the meantime, visitors have the opportunity to watch the craftsmen at work.

[http://www.bodensee.eu/en/attractions-at-lake-constance/campus+galli+%E2%80%93+the+carolingian+monastery+town,+me%C3%9Fkirch_poi506]

More information at Wikipedia: https://en.wikipedia.org/wiki/Campus_Galli

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/>