

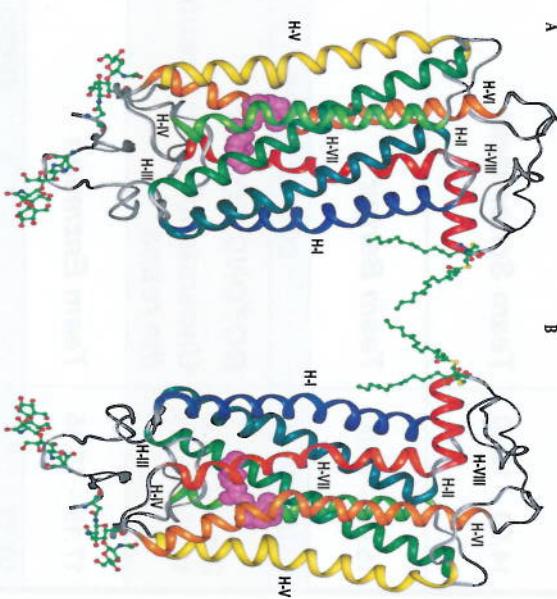
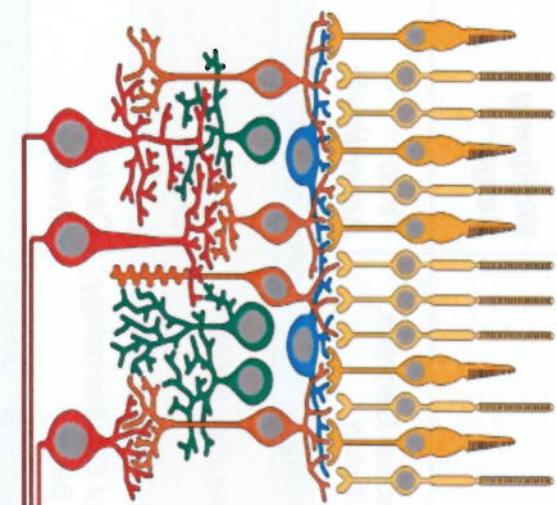
SWISS EYE RESEARCH MEETING 2011 (SERM2011)

Swiss Eye Research Meeting
SERM2011, Biel



Venue: Hotel Elite, Biel
Date: Jan 27 – Jan 28, 2011

Swiss Eye Research Meeting
SERM2011, Biel



Thursday; January 27, 2011

TIME	TEAM / TALK	SPEAKERS	AFFILIATION	MODERATOR
10.00 – 10.30	WELCOME COFFEE			
10.30 – 10.45	Welcome	Christian Grimm	Department of Ophthalmology, University of Zurich	
10.45 – 11.15	Team Grimm	Severin R. Heynen Christian Caprara	Department of Ophthalmology, University of Zurich	
11.15 – 12.30	Team Seeliger	Gabriele Dütsch Susanne Beck Vithyanjali Sothilingam Marina Garcia-Garrido Regine Mühlriedel	Institute for Ophthalmic Research, University of Tübingen	Stephan Neuhauß
12.30 – 14.00	13.00 Vom 12.30 bis 14.00 Uhr	LUNCH *	LUNCH *	LUNCH *
14.00 – 15.00	Team Schorderet	Fabienne Marcelli Désirée von Alpen Nathalie Allaman-Pillet Daniel Schorderet	IRO Sion	Wolfgang Berger
15.00 – 16.00	Team Berger	Lucas Mohn Jurian Zürcher John Neidhard	Institute of Medical Genetics, University of Zurich	Yvan Arsenijevic
16.00 – 16.30	COFFEE BREAK	*	COFFEE BREAK *	COFFEE BREAK *
SPECIAL TALK 16.30 – 17.15		BOTOND ROSKA: Understanding and controlling neural circuit activity in the retina		Friedrich Miescher Institute Basel
17.15 – 18.15	Team Enzmann	Volker Enzmann Ute Wolf-Schnurrbusch Andrea Pepin	Department of Ophthalmology, University of Berne	Carlo Rivolta
19.30		APÉRO *	APÉRO *	APÉRO *
20.00		DINNER *	DINNER *	DINNER *

Friday; January 28, 2011

TIME	TEAM / TALK	SPEAKERS	AFFILIATION	MODERATOR
09.00 – 09.45	Team Arsenijevic	Corinne Kostic Maité Cachafeiro	UGTSCB, Jules-Gonin Eye Hospital, Lausanne	<i>Volker Enzmann</i>
09.45 – 10.00	<i>Imaging of subretinal implants</i>	Christoph Kernstock	Dept. of Ophthalmology and Interventional Neuroradiology Univ of Tübingen	
10.00 – 10.30	COFFEE BREAK * COFFEE BREAK *	COFFEE BREAK *	COFFEE BREAK *	COFFEE BREAK *
10.30 – 10.45	<i>Doomed to move the eyes: infantile Nystagmus-Like Eye movements in healthy human subjects</i>	Ying-Yu Huang	Department of Neurology, University of Zurich	<i>Daniel Schorderet</i>
10.45 – 11.30	Team Neuhauss	Marion Haug Kaspar Müller	Institute for Molecular Life Sciences, University of Zurich	
11.45 – 12.30	MIKE O. KARL: <i>Roadblocks of neural regeneration in the mouse retina</i>		Center for Regenerative Therapies Dresden (CRTD) Dresden, Germany	<i>Christian Grimm</i>
12.30 – 14.00	LUNCH * LUNCH *	LUNCH *	LUNCH *	LUNCH *
14.00 – 14.15	<i>Immunological role of meningotheelial cells</i>	Bin Fan	Dept DBM University of Basel	
14.15 – 14.30	<i>Meningotheelial cell changes following elevated pressure and oxidative stress</i>	Albert Neutzner	University Eye Hospital, Basel	<i>Mathias Seeliger</i>
14.30 – 14.45	<i>Successful delivery and monitoring of cell beads in the subretinal space and vitreous in mice</i>	Dominik Fischer	Department Ophthalmology University of Tübingen	
14.45 – 15.45	Team Rivolta	Alessandro Di Gioia Goranka Tanackovic Giulia Venturini Paola Benaglio	Dept of Medical Genetics, University of Lausanne	
15.45 – 16.00	AWARDS FOR BEST PRESENTATIONS: RETINA SUISSE			
16.00	FARWELL COFFEE * FARWELL COFFEE * FARWELL COFFEE * FARWELL COFFEE *			

Presentations

Swiss Eye Research Meeting; January 27 & 28, 2011; Biel

SPECIAL TALKS

BOTOND ROSKA

MIKE O. KARL

SPEAKERS:

- Corinne Kostic
 - Maité Cachafeiro

Team BEBGEB (Medical Molecular Genetics) | University of Zurich

TOPIC: *Genetic basis of retinal and eye diseases, functional characterisation of disease genes, studies on the pathophysiology of retinal degenerations in mouse models, development of novel diagnostic approaches and therapeutic interventions for treatment of splice defects*

SPEAKERS

- Lucas Mohn Protein expression and functional characterisation of norrin
 - Jurian Zürcher The role of norrin in retinal blood vessel development
 - John Neidhard Development of a next generation sequencing panel for retinal diseases

Team ENZMANN (Department of Ophthalmology, University of Bern):

TOPIC: Pathophysiology and therapeutic approaches in experimental retinal degeneration

SPEAKERS:

- Volker Enzmann Mechanisms and ultrastructure of pharmacologically induced retinal degeneration
- Ute Wolf-Schnurrbusch Correlation of OCT and histology in mouse models of retinal degeneration and age
- Andrea Pepin Adult stem cell differentiation toward retinal lineages *in vitro*

Team GRIMM (Department of Ophthalmology, University of Zurich):

TOPIC: Molecular mechanisms of photoreceptor degeneration and neuroprotection

SPEAKERS:

- Severin Heynen Is Cdc42 essential for retinal degeneration and for the retinal vasculature?
- Christian Caprara HIF1A is essential for the development of the intermediate plexus of the retinal vasculature

Team NEUHAUSS (Department of Zoology, University of Zurich):

TOPIC: We are using the zebrafish model system to study vision from the molecular to the behavioral level. We are particularly interested in cone photoreceptor adaptation, synaptic transmission at the photoreceptor synapse, evolutionary aspect of retinal glutamate metabolism, and visual behavior, including oculomotor behavior.

SPEAKERS:

- Marion Haug Glutamate signaling at the photoreceptor ON bipolar synapse
- Kaspar Müller Visual behavior in zebrafish

Team RIVOLTA (Department of Medical Genetics, University of Lausanne):

TOPIC: Molecular genetics of retinitis pigmentosa degeneration

SPEAKERS:

- Alessandro Di Gioia FAM161A: a new gene for autosomal recessive retinitis pigmentosa
- Goranka Tanackovic Alternative splicing defects are associated with retinal degeneration in humans
- Giulia Venturini Molecular characterization of a genetic element influencing the penetrance of PRPF31 mutations
- Paola Benaglio DNA pooling and next-generation sequencing reveals new SNRNP200 mutations associated with retinitis pigmentosa

Team SCHORDERET (IRO Sion):

TOPIC: IRO investigates the genetic origins of blinding diseases, from the fetus to the elderly, in order to develop better diagnosis and therapy

SPEAKERS:

- Fabienne Marcelli HMX1, a transcription factor implicated in eye development
- Désirée von Alpen Pathogenic mutations in the NR2E3 LBD reveal critical functional regions
- Nathalie Allaman-Pillet Retinoblastoma treatment with ABT-737
- Daniel Schorderet Mutations in SMOC1 cause the Waardenburg-anophthalmia syndrome

Team SEELIGER (Institute for Ophthalmic Research, University of Tübingen):

TOPIC: Our mission is to uncover the pathophysiology of ocular neurodegenerative processes, to develop and test therapeutic strategies, and to understand and model normal retinal function. The basis of our work is in-depth functional and morphological phenotyping of genetic models of blinding human neurodegenerative disorders with electroretinography (ERG), scanning-laser ophthalmoscopy (SLO), and optical coherence tomography (OCT), the same non-invasive techniques used in affected patients.

SPEAKERS:

- Gabriele Dütsch
Light-dependent ERG-like responses resembling acoustically-evoked potentials in mice
- Susanne Beck
In vivo morphological analysis of a cat model of human retinal degeneration
- Vithiyanganji Sothilingam
Morphological and functional characterization of Crb2 mutant mice *in vivo*
- Marina Garcia-Garrido
Assessment of retinal structure and function in Crb1/Crb2 double knock-out mice
- Regine Mühlfriedel
Restoration of cone vision in a model of achromatopsia by AAV-mediated gene therapy

INDIVIDUAL Speakers:

YING-YU HUANG

Doomed to move the eyes: infantile Nystagmus-Like Eye movements in healthy human subjects
Department of Neurology, University of Zurich

BIN FAN

Immunological role of meningotheelial cells
Dept DBM, University of Basel

ALBERT NEUTZNER

Meningotheelial cell changes following elevated pressure and oxidative stress
University Eye Hospital, Basel

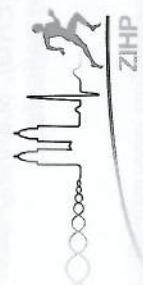
DOMINIK FISCHER

Successful delivery and monitoring of cell beads in the subretinal space and vitreous in mice
University Eye Hospital, Tübingen, Germany

CHRISTOPH KERNSTOCK

Imaging of subretinal implants
University Eye Hospital, Tübingen, Germany

MANY THANKS TO THE SPONSORS OF THE SWISS EYE RESEARCH MEETING



...AND TO THE SPONSORS OF THE SWISS EYE WEEK

