

Swiss Eye Research Meeting 2022

20 & 21 Jan 2022

Centre Loewenberg, Morat
Program



Thursday: January 20, 2022

Time	Team / Affiliation	Speakers / Presentations	Moderator
10:00-10:45	WELCOME COFFEE		
10:45-11:00	Welcome talk by Corinne Kostic Dpt Ophthalmology, Jules Gonin Eye Hospital, University of Lausanne		
11:00-11:15	Team Roduit, HOJG, UNIL Zoom	1 Jessica Agostinone : “ERK3 expression is required in zebrafish retina to establish eye size during development.”	V. Enzmann
11:15-12:00	Team Neuhaus, UZH	1 Filipe O. Viegas : “Uncovering the retinal metabolic landscape: Glucose and lactate dynamics in the vertebrate retina”	
		2 Jingjing Zang : “Circadian Regulation of Vertebrate Cone Photoreceptor Function”	
12:00-12:30	Team Grimm, UZH	3 Marco Garbelli : “Delving into zebrafish color vision: a study on retinal glutamate transporters and visual processing”	S. Kleinlogel
		1 Duygu Karademir : “Single-cell RNA sequencing of the retina in a model of retinitis pigmentosa reveals early responses to degeneration in rods and cones”	
		2 Vyara Todorova : “Chronic Activation of Hypoxia-Inducible Factors Leads to Metabolic Dysregulation in Mouse Rod Photoreceptors”	
12:30-12:45	Team Westenkow ROCHE, UZH	1 Lisa Grönnert : “Multi-omics based metabolic profiling of the hypoxic retinal pigment epithelium”	
12:45-14:15	LUNCH ☞ LUNCH ☞ LUNCH ☞ LUNCH ☞ LUNCH ☞ LUNCH		
14:15-15:00	Team W. Berger, UZH Zoom	1 Samuel Koller : “Dominant versus recessive mutations in the RP1 gene and their impact on clinical variability of retinitis pigmentosa”	C. Rivolta
		2 Fatma Kivrak Pffner : “Homozygosity for a novel DOCK7 variant due to segmental uniparental isodisomy of chromosome 1 in a child with infantile epileptic encephalopathy and cortical visual impairment”	
		3 Jordi Maggi : “De novo assembly-based analysis pipeline of RPGR Exon ORF15 to improve sensitivity and specificity”	
15:00-16:00	Team Kleinlogel, Unibe	1 Jakub Kralik : “Electrophysiological exploration of functional vision restoration in blind retinas treated with ON-bipolar-cell-specific optogenetic gene therapy”	Y. Arsenijevic
		2 Giulia Schilardi : “Potassium channels in retinal interneurons: impact on healthy retina, degenerated retina and vision restorative approaches”	
		3 Andrea Maddalena : “Comparison between CRISPR-mediated HITI and MITI for Opto-mGluR6 expression in the retina”	
		4 Seraina Bartetzko : “CRISPR-Cas mediated endogenous opsin activation in ON-bipolar cells for vision restoration”	
16:00-16:30	COFFEE BREAK ☞ COFFEE BREAK ☞ COFFEE BREAK ☞ COFFEE BREAK		
SPECIAL TALK 16:30-17:30	Stylianos Michalakis (virtual conference live) Department of Ophthalmology, Ludwig-Maximilians-Universität München, Munich, Germany “Development of novel gene therapies for inherited retinal disorders”		C. Kostic
17:30-17:45	Team Franke, IOB	1 Annalisa Bucci : “Propagation speeds of action potentials in the human retina compensate for traveling distances”	F. Schaeffel
17:45-18:00	Team Kostic, HOJG, UNIL	1 Astrid Minier : “Determination of melanopsin activation in healthy humans from flash VEPs”	
18:00-18:15	Team Schaeffel, IOB	1 Barbara Swiatczak : “Choroidal blood flow is altered by the optical defocus in young adult subjects.”	
19:00	APÉRO ☞ APÉRO ☞ APÉRO ☞ APÉRO ☞ APÉRO ☞ APÉRO		
20:00	DINNER ☞ DINNER ☞ DINNER ☞ DINNER ☞ DINNER ☞ DINNER		

Friday: January 21, 2022

Time	Team / Affiliation	Speakers / Presentations	Moderator
08:30-8:45	Team Enzmann, <i>Unibe</i>	1 Laura Jahnke : “Interaction of gliotic and fibrotic response during scar formation in retina”	R.Roduit
08:45-09:00	Team Zinkernagel, <i>Unibe</i>	1 Ioanna Tsioti : “Systemic lipopolysaccharide exposure triggers Tlr4-dependent inflammatory responses in the mouse retina in vivo”	
09:00-9:15	Team Zandi, <i>Unibe</i>	1 Yuebing Li : “Rho-kinase Involvement in an Animal Model of Subretinal Fibrosis”	
09:15-9:30	Team Escher, <i>Unibe</i>	1 Beatrice L. Steiner : “Impaired corepressor binding as a novel disease mechanism of ESCS”	S. Neuhaus
9:30-9:45	Team Arsenijevic <i>HOJG, UNIL Zoom</i>	1 Oleksandr Zabiegolov : “Isolation of retinal progenitors derived from induced pluripotent cells”	
9:45-10:00	Team A. Berger, <i>HOJG, UNIL</i>	1 Adeline Berger : “Active enhancers and gene expression of retinoblastoma patient samples”	
10:00-10:15	Team Rivolta, <i>IOB</i>	1 Francesca Cancellieri : “Genetic bases of retinoblastoma from liquid biopsies: towards a personalized treatment of pediatric patients.”	
10:15-10:45	COFFEE BREAK ☞ COFFEE BREAK ☞ COFFEE BREAK ☞ COFFEE BREAK		
10:45-11:30	Team Rivolta, <i>IOB</i>	2 Karolina Kaminska : “Molecular landscape of inherited retinal degenerations in Basel”	M. Ansar
		3 Dhryata Kamdar : “The variant c.-61G>A in OVOL2 is a pathogenic 5'UTR mutation causing posterior polymorphous corneal dystrophy 1”	
		4 Mukhtar Ullah : “Genetic causes of congenital cataract in consanguineous pedigrees from Pakistan”	
SPECIAL TALK 11:30-12:30	Jean-Michel Rozet <i>Laboratory genetics in ophthalmology (LGO), Institute of genetic diseases, Imagine, Paris, France</i> “Leber congenital amaurosis: from genes to therapies”		Y. Arsenijevic
12:30-14:00	LUNCH ☞ LUNCH ☞ LUNCH ☞ LUNCH ☞ LUNCH ☞ LUNCH		
14:00-14:15	Team Gyorgy, <i>IOB</i> <i>cancel</i>	1 Alissa Müller : “Prime editing for Usher Syndrome Type 2A”	P. Escher
14:15-14:30	Team Mantel, <i>HOJG, UNIL</i>	1 Laura Kowalczyk : “in vivo Retinal Pigment Epithelium Imaging using Transscleral Optical Phase Imaging in healthy eyes”	
14:30-14:45	Team Fares-Taie, <i>Imagine</i>	1 Clémentine Angee : “Congenital microcoria: a suitable model to study common glaucoma”	
14:45-15:00	Team Galvao, <i>ROCHE</i>	1 Chris Louche : “Characterizing and targeting cellular senescence to prevent retinal ganglion cell loss in glaucoma”	
15:45-16:00	AWARDS FOR BEST PRESENTATIONS: RETINA SUISSE		
16:00	E N D		

**MANY THANKS TO THE SPONSORS OF THE SWISS EYE RESEARCH
MEETING...**

