



**16<sup>th</sup> PRO RETINA  
RESEARCH-COLLOQUIUM  
POTSDAM**

# Retinal Degeneration

## Environment matters

An interdisciplinary  
dialogue

**April 01/02, 2022**

WELCOME

PRELIMINARY PROGRAM

REGISTRATION

FEEES



POSTER SESSION

SUPPORT

# 16<sup>th</sup> PRO RETINA RESEARCH-COLLOQUIUM POTSDAM


## PRELIMINARY PROGRAM


### Friday, April 01, 2022

- 13:00-13:05 Welcome remarks**  
Franz Badura
- 13:05-14:30 SESSION 1**   
**Selected poster presentations**  
Eight abstracts to be selected
- 14:30-15:00 Keynote Lecture**  
A systems biology view on age-related macula degeneration  
*Marius Ueffing (Tübingen, Germany)*
- 15:00-15:45 Coffee break**
- 15:45-17:25 SESSION 2**   
**Factors shape the efficiency of gene therapy**
- 15:45-16:10** Immune responses to retinal gene therapy using adeno-associated viral vectors – Implications for treatment, success and safety  
*Dominik Fischer (Oxford, UK)*
- 16:10-16:35** AAV-mediated retinal pathology in mice is connected to reactive microgliosis  
*Anne Wolf (Cologne, Germany)*
- 16:35-17:00** AAV vectors and CRISPRa-Cas9-based (epi)genome editing approaches for retinal gene therapy  
*Elvir Becirovic (Munich, Germany)*
- 17:00-17:25** Microglia during retinal degeneration  
*Sandra Siegert (Kloster Neuburg, Austria)*

- 17:25 Dinner**
- 19:00-19:30 Evening Lecture**  
Current strategies for the inhibition of myopia  
*Frank Schäffel (Tübingen, Germany)*
- 19:30-open Swingin' Poster Session**

### Saturday, April 02, 2022

- 09:00-11:05 SESSION 3**   
**The role of metabolic homeostasis and mitochondria in retinal diseases**
- 09:00-09:25** Metabolic aspects of retinal degeneration  
*Stelios Michalakis (Munich, Germany)*
- 09:25-09:50** Mitochondrial Retinopathy  
*Johannes Birtel (Bonn, Germany/Oxford, UK)*
- 09:50-10:15** CERKL, a retinal dystrophy gene, regulates mitochondrial function and dynamics in the mammalian retina  
*Gemma Marfany (Barcelona, Spain)*
- 10:15-10:40** Serine metabolism in the retina  
*Marcus Fruttiger (London, UK)*
- 10:40-11:05** Lipid metabolism in RPE  
*Christian Grimm (Zurich, Switzerland)*
- 11:05-11:40 Coffee break**

- 11:40-12:55 SESSION 4**   
**Factors shaping photoreceptor environment**
- 11:40-12:05** Incorporation, polarisation and maturation of human photoreceptors transplanted into mouse models of retinal degeneration  
*Marius Ader (Dresden, Germany)*
- 12:05-12:30** Using iPSC-derived retinal models to understand and treat inherited retinal diseases  
*Vasiliki Kalatzis (Montpellier, France)*
- 12:30-12:55** AMD 10q26 risk haplotype impairs subretinal monocyte elimination  
*Christophe Rouboux (Roche – Basel, Switzerland)*
- 12:55-13:00 Concluding remarks**
- 13:00 Lunch and end of meeting**

