



19th PRO RETINA
Research-Colloquium
Potsdam

Pro Retina – Stiftung
zur Verhütung von Blindheit

Retinal Degeneration

Signaling and Metabolism in Retinal Disease

Genetics, Disease Modeling, and Therapy

April 04 – 05, 2025

SEMINARIS SEEHOTEL POTSDAM

PROGRAM

Friday, April 04, 2025

- 15:00 – 15:05 **Welcome remarks**
Franz Badura (Amberg, Germany)
- 15:05 – 15:45 **Keynote lecture**
Anand Swaroop (Bethesda, USA)
Re-examining genetics and therapeutic paradigms of retinal and macular degeneration: looking back but moving forward
- 15:45 – 16:25 **Coffee break with scientific chit-chat**
- 16:25 – 17:45 **SESSION 1**
Selected poster presentations
Eight abstracts to be selected
- 17:45 **Dinner**
- 19:00 – 19:30 **EVENING LECTURE**
Björn Schumacher (Köln, Germany)
Aspects of aging
- 19:30 – open **Swingin' poster session**

Saturday, April 05, 2025

- 09:00 – 10:30 **SESSION 2**
Retinal metabolism in focus
- 09:00 – 09:30 **Francois Paquet-Durand**
(Tübingen, Germany)
Fuel for vision: Evidence for anaplerotic metabolism in retinal photoreceptors
- 09:30 – 10:00 **Dorota Skowronska-Krawczyk**
(Irvine, USA)
Targeting aging membranes in AMD
- 10:00 – 10:30 **Michael Schumacher**
(Paris, France)
Neurosteroids: their potential for neuroprotection and as biomarkers of neuronal injury
- 10:30 – 11:15 **Coffee break**

- 11:15 – 12:45 **SESSION 3**
Signaling in retinal health and disease
- 11:15 – 11:45 **Peter Wieghofer**
(Augsburg, Germany)
Hyalocyte origin, structure, and imaging
- 11:45 – 12:15 **Christoph Ulmer**
(Basel, Switzerland)
Canaboinoid receptor signaling in the retina and treatment options
- 12:15 – 12:45 **Rosa Cristina Fernandes**
(Coimbra, Portugal)
Extracellular vesicles as key drivers in the pathogenesis of age-related macular degeneration
- 12:45 – 14:00 **Lunch**
- 14:00 – 15:30 **SESSION 4**
Complex retinal diseases
- 14:00 – 14:30 **Markus Karlstetter**
(Basel, Switzerland)
Pathways and prospects in intermediate AMD target discovery
- 14:30 – 15:00 **Christina Kiel**
(Regensburg, Germany)
Genetic risk scores in AMD
- 15:00 – 15:30 **Laurenz Pauleikhoff**
(Hamburg, Germany)
Understanding Central Serous Chorio-retinopathy pathophysiology through its risk factors
- 15:30 – 15:33 **Concluding remarks**

INVITATION

Dear friends and colleagues,

on behalf of the PRO RETINA Foundation, the organizing team is pleased to welcome you to the 19th International Research Colloquium on Retinal Degeneration in Potsdam, Germany, on April 4th/5th 2025.

The main theme of this year's meeting is "Signaling and Metabolism in Retinal Disease". We are delighted that once again a great line-up of distinguished national and international speakers have agreed to share their expertise on innovative therapeutic paradigms, retinal signaling and metabolism, and novel insights into aspects of aging in retinal diseases.

The meeting will follow the traditional four-session format, starting with eight oral presentations by young scientists selected from the submitted poster abstracts. These talks, together with the poster presentations in the evening, will form the basis for the prestigious awards in the categories of "Basic Research", "Clinical Translation" and "Poster Design".

This year's keynote lecture will be given by Anand Swaroop, Senior Researcher at the National Eye Institute (NIH), Bethesda, USA. He will present his view on how re-examining genetics and therapeutic paradigms of retinal and macular degeneration can move this important research field forward.

The first session on Friday will focus on retinal metabolism, with presentations highlighting the role of anaplerotic metabolism in photoreceptors, novel approaches to target ageing membranes in AMD, and the potential of neurosteroids for neuroprotection.

The first day will conclude with the special evening lecture known for its inspiration. This year, Björn Schumacher from the University of Cologne will explore the fascinating aspects of aging. Afterwards, the ever-popular "Swingin' Poster Session" offers attendees a unique opportunity to exchange scientific ideas and concepts in the relaxed, collaborative atmosphere that defines the PRO RETINA Research Colloquium.

On the second day, the first session will focus on signaling pathways in retinal health and disease. It will include insights into the origin and imaging of hyalocytes, cannabinoid receptor signaling in retinal treatments, and the role of extracellular vesicles in the pathogenesis of AMD. The second session on Saturday will focus on complex retinal diseases, discussing biomarkers beyond imaging, the utility of genetic risk scores in AMD, and advances in understanding central serous chorioretinopathy.

As part of its many research activities, PRO RETINA Germany with its Research Foundation have sponsored the Potsdam Conference Series since its inception in 2005.

The Organizing Committee:

Prof. Dr. Marius Ader, Franz Badura, Prof. Dr. Peter Charbel-Issa, Prof. Dr. Antje Grosche, Prof. Dr. Thomas Langmann

REGISTRATION

Contact our website:

www.pro-retina-stiftung.de

The registration deadline is April 02, 2025.



ACCOMMODATION & VENUE

The meeting will take place at the conference room of **Seminaris SeeHotel Potsdam ******

An der Pirschheide 40

14471 Potsdam/Germany

Tel.: + 49 3 31 9090-400

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Mail: info.pot61@seminaris.com

Web: www.seminaris.de

It will start at 01:00 p.m. sharp.

A contingent of rooms is reserved for max. 120 participants.

If you are planning to stay elsewhere please let us know.

POSTER SESSION

A very important feature of our meeting is the poster session. When registering for an abstract submission you will automatically get an email with further detailed information. You can find details also on our website: www.pro-retina-stiftung.de

Abstract submission deadline: February 28, 2025.

HOW TO GET TO THE SEMINARIS SEEHOTEL POTSDAM:

The Seminaris SeeHotel is in the western part of Potsdam, close to the forest of Pirschheide, next to the Templiner See.

Arrival by train:

Mainstation Potsdam, about 5 km (national trains, e.g. ICE-, IC-, EC-station) or station "Potsdam Pirschheide", distance 1000 m (regional trains, e.g. RE-, RB-, bus and tramway station).

Arrival by plane:

The airport Berlin Brandenburg is in reach of the hotel (approximately 60 km).

FEES

Fees include accommodation and catering.

Late registration from March 10, 2025 is charged with an additional fee of 20,- €.

	Regular	Late registration
Student/graduate/delegate	€ 100,-	€ 120,-
Post-doc	€ 140,-	€ 160,-
Faculty	€ 160,-	€ 180,-

Please pay by credit card, paypal or by remittance to the following bank account:

Katharina Bedenk – BEvention

Ref.: [Your invoice number] & Research Colloquium 2025

IBAN: DE19 1203 0000 1053 4254 17

SWIFT-BIC: BYLADEM 1001

CONFERENCE LANGUAGE

The conference language is English.

Organization of the meeting

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