

Friday, April 12th, 2024

13:00 – 13:05 Welcome remarks - Franz Badura (Amberg, Germany)

13:05 – 14:30 SESSION 1 Chair: Antje Grosche

SELECTED POSTER PRESENTATIONS

Eight abstracts to be selected

14:30 – 15:10 Keynote lecture - Kapil Bharti (Bethesda, USA)

Developing stem cell-based therapies for degenerative diseases of the eye

15:10 – 16:15 Coffee break with scientific chit-chat

16:15 – 17:30 SESSION 2 “KNOW YOUR GENE” Chair: Peter Charbel-Issa

16:15 – 16:40 Maximilian Gerhard (Munich, Germany)

Gene therapy in clinical practice

16:40 – 17:05 Klaus Rüther (Berlin, Germany)

Genetic diagnostics in retinal dystrophies – benefit for the patients

17:05 – 17:30 Avril Daly (Dublin, Ireland) Retina International

Know your gene – the patient perspective

17:30 Dinner

19:00 – 19:30 EVENING LECTURE - Christine Curcio (Birmingham, USA)

Leveraging photoreceptor topography for deposit-driven AMD

19:30 – open Swingin’ poster session

Saturday, April 13, 2024

09:00 – 10:40 SESSION 3 “UPDATES ON RPE IN RETINAL DEGENERATION”

Chair: Thomas Langmann

09:00 – 09:25 Achim Göpferich (Regensburg, Germany)

Nanoparticles for intraocular drug delivery

09:25 – 09:50 Christelle Monville (Corbeil-Essonnes, France)

Phase I/II open-label study of implantation into one eye of hESC-derived RPE in patients with retinitis pigmentosa due to monogenic mutation: first safety results

09:50 – 10:15 Peter Charbel-Issa (Oxford, UK)

Novel tools to image the RPE in patients

10:15 – 10:40 Anu Kauppinen (Kuopio, Finland)

Antimycin A-induced mitochondrial dysfunction regulates inflammasome signaling in human retinal pigment epithelial cells

10:40 – 11:15 Coffee break

11:15 – 12:55 SESSION 4 Chair: Marius Ader

“RETINAL ORGANIDS IN DEVELOPMENT, DISEASE AND THERAPY”

11:15 – 11:40 Volker Busskamp (Bonn, Germany)

Generating vascularized human retinal organoids

11:40 – 12:05 Magdalena Renner (Basel, Switzerland)

High throughput retinal organoids for therapy development

12:05 – 12:30 Majlinda Lako (Newcastle, UK)

Retinal organoids: a window into development, disease and drug discovery

12:30 – 12:55 Verena Hübschmann (Klosterneuburg, Austria)

The impact of human microglia in retinal organoid development

12:55 – 13:00 Concluding remarks

13:00 Farewell Lunch and end of meeting