

HEIDELBERG
2025

INTERNATIONAL **SPECTRALIS®** SYMPOSIUM **AND BEYOND**

ISS 2025 | PROGRAM EXCERPT

Holz, Frank
Course Director
Imaging, pathogenesis and treatment
of retinal/macular diseases

Csaky, Karl
Structure-Function Correlates using
HighRes OCT Images

Curcio, Christine
Histology Update supporting Review Software
and Revised nomenclature for $\leq 3 \mu\text{m}$ OCT

Sarda, Sri
High Resolution OCT of Atrophic AMD
recurrence in AMD

Prodegenerative Diseases:

OUR BEST PROGRAM

**HEIDELBERG
ENGINEERING**



ACADEMY

Scientific Program: Friday, June 13

09:45 Welcome Note: *Prof. Frank G. Holz | Germany*

SESSION 1: Oculomics	S. Sadda G. Staurenghi
10:00	Oculomics: Mechanistic and biomarker discovery <i>Siegfried Wagner UK</i>
10:15	Eyes on health: Unlocking systemic insights with multimodal retinal imaging in the NICOLA study <i>Ruth Hogg UK</i>
10:30	An eye on neurodegenerative diseases: Challenging the dogma <i>Rayaz Malik Qatar</i>
10:45	Ocular signs and symptoms of cognitive impairment and neurodegeneration <i>Robert P. Finger Germany</i>
11:00	The eye as a window to the kidney: Old concepts, better tools and new horizons <i>Neeraj Dhaun UK</i>
11:15	Break

SESSION 2: High-Res OCT	B. Chauhan L. Schmetterer
11:45	Histology update supporting review software and revised nomenclature for <3 µm OCT <i>Christine Curcio USA</i>
12:00	Structure-function correlates using High-Res OCT images <i>Karl Csaky USA</i>
12:15	New insights in diabetic maculopathy using High-Res OCT <i>Thomas Ach Germany</i>
12:30	High-Res OCT of atrophic and precursor lesions in AMD <i>SriniVas Sadda USA</i>
12:45	First experience of a new high-resolution imaging platform <i>Giovanni Staurenghi Italy</i>
13:00	Lunch Break iOCT live

SESSION 3: New Technology	F. G. Holz A. Tufail
14:30	Advancing laser precision: OCT-guided selective retina therapy <i>Christian Burri Switzerland</i>
14:45	In vivo functional imaging of single retinal ganglion cells with two-photon imaging <i>Balwantray Chauhan Canada</i>
15:00	Prolonged ORG recordings from inner and outer retina <i>Leopold Schmetterer Austria</i>
15:15	FLIO and the brain – making the invisible visible: Silent disease progression for Alzheimer’s, Parkinson’s, Multiple Sclerosis <i>Robert Sergott USA</i>
15:30	More than an OCT image – holographic OCT for imaging retinal function <i>Gereon Hüttmann Germany</i>
15:45	Break

SESSION 4: AMD GA	K. Csaky R. P. Finger
16:15	Impact of macular neovascularization development on GA progression <i>Mariano Cozzi Italy</i>
16:30	Imaging-based progression markers in intermediate AMD – results from the MACUSTAR study <i>Frank G. Holz Germany</i>
16:45	Functional assessments and structure-function correlation in intermediate AMD – analysis of MACUSTAR data <i>Adnan Tufail UK</i>
17:00	Masqueraders of exudation and neovascularization in AMD <i>Roberto Gallego-Pinazo Spain</i>
17:15	Using OCT determined anatomical features as endpoints in clinical trials in intermediate AMD <i>Robyn Guymer Australia</i>
17:30	Re-imagining two wavelength autofluorescence for macular xanthophyll carotenoids, proven beneficial agents for AMD <i>Christine Curcio USA</i>

KEYNOTE SESSION	T. Brunstetter
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17:45	A journey into space: „Völlig losgelöst!“ <i>Warren Hoburg NASA Astronaut USA</i>
18:30	End of Scientific Program

EVENING EVENT: COME WITH US ON BOARD!

Join us for a dinner cruise on the river Neckar and enjoy magnificent views of historic Heidelberg.

19:00 Bus departure Congress Center (west entrance)

19:30 Boat **Queen Silvia** available for boarding at the pier:
📍 Neckarstaden 25 | 69117 Heidelberg



20:00	Boat departure for dinner cruise on river Neckar
22:15	Return bus shuttle to congress hotels
23:15	Return bus shuttle to congress hotels

Scientific Program: Saturday, June 14

09:00 Welcome Note: *Prof. Frank G. Holz | Germany*

SESSION 5: Artificial Intelligence	R. Gallego-Pinazo S. Yu
09:15	Eye2Gene: AI applications in inherited retinal diseases <i>Nikolas Pontikos UK</i>
09:30	Analyzing FLIO data from the AI-READI project <i>Aaron Y. Lee USA</i>
09:45	AI in fluorescence lifetime imaging ophthalmoscopy (FLIO) data analysis-toward retinal metabolic diagnostic <i>Yoko Miura Germany</i>
10:00	Fluid in nAMD and GA <i>Ursula Schmidt-Erfurth Austria</i>
10:15	AI-based evaluation of dry AMD biomarkers <i>SriniVas Sadda USA</i>
10:30	Break

SESSION 6: Retina	A. Loewenstein U. Schmidt-Erfurth
11:00	The use of OCT and OCTA in sickle cell retinopathy <i>James Talks UK</i>
11:15	OCT based outcome measures in paediatric gene therapy <i>Robert Henderson UK</i>
11:30	Differentiating pachychoroid atrophy from geographic atrophy using fundus autofluorescence <i>SeungYoung Yu South Korea</i>
11:45	A rollercoaster ride: sit back and fasten your seatbelt <i>Gabriella De Salvo UK</i>
12:00	Hyperreflective vitreous opacities in children: A key to avoiding misdiagnosis in OCT interpretation <i>Dinah Zur Israel</i>
12:15	Discovering new dimensions with the SeeLuma™ fully digital visualization platform <i>Sunil Warriar Australia</i>
12:30	Lunch Break iOCT live

SESSION 7: Distributed Care	F. G. Holz J. Talks
14:00	Remote patient monitoring in AMD management <i>Anat Loewenstein Israel</i>
14:15	Looking across the gap: Retinal imaging between community and hospital <i>Baljean Dhillon UK</i>
14:30	The power of Medisoft – linking to UK Biobank <i>Anthony Khawaja UK</i>
14:45	Extreme telemedicine during long-duration spaceflight <i>Steven Laurie USA</i>
15:00	Panel Discussion: Meeting needs of service requirements
15:15	Multimodal imaging – still relevant in precision diagnosis <i>Ethan Priel USA</i>
15:30	End of Scientific Program



Course Director:
Professor Frank G. Holz
University Eye Hospital Bonn

Registration & More Information

Please visit the ISS website www.he-academy.com/iss for more information about:

- Event registration
- Boat trip reservation
- Company tour
- Hotel recommendations
- Call for posters



Company Tour | Thursday and Saturday

We would like to invite you to a 30-minute tour of our company building on:

Thursday, June 12 | 16:00 – 18:00

Saturday, June 14 | 16:00 – 18:00

The tour starts every 15 minutes from the main entrance of Heidelberg Engineering SkyLabs tower:
Max-Jarecki-Straße 8, 69115 Heidelberg



Please register for the company tour during the event registration process.

Venue and Travel Information

Heidelberg Congress Center (HCC)

📍 Czernyring 20, 69115 Heidelberg | Germany

🚗 Arrival by Car

The parking garage **P21** (Goeppert-Mayer-Straße 2, 69115 Heidelberg) is located directly under the Congress Center.

When entering P21, your number plate will be recorded by camera. At the end of your parking time, enter your license plate number at the pay station and pay in cash, by EC card or PayPal, not credit card!

🚆 Arrival by Public Transportations

The HCC is a 2-minute walk from the main railway station **Heidelberg Hauptbahnhof** directly via the south exit/the pedestrian bridge into **Bahnstadt**.

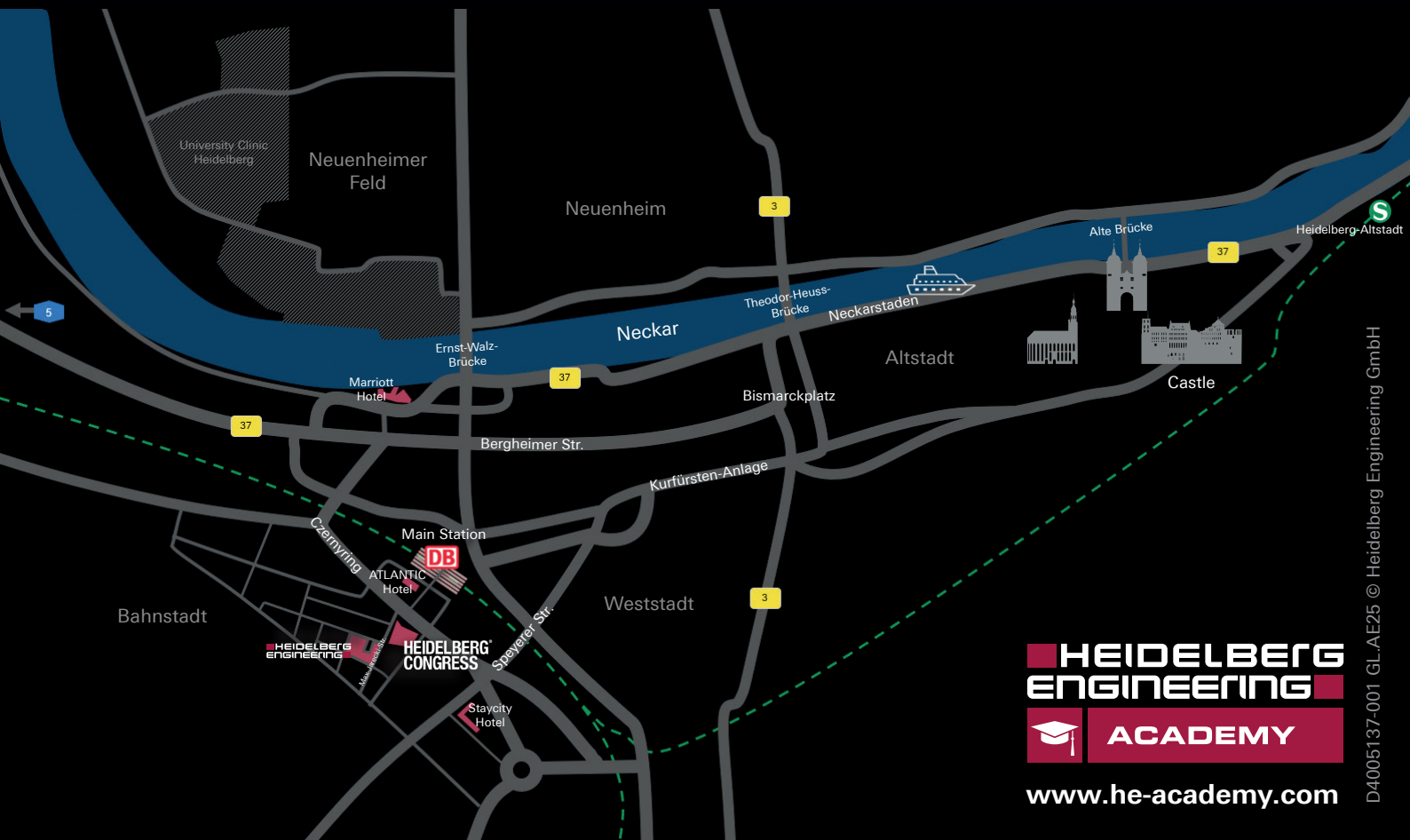
Tram lines 22 and 26 as well as bus lines 28, 34 and 721 stop at **Heidelberg Hauptbahnhof Süd** in front of the HCC.

✈️ Arrival from Frankfurt International Airport (FRA)

FRA is located 80 km from Heidelberg, approx. 1 hour drive by train (www.bahn.de), car or taxi.

Shuttle service and private transfer: www.tls-heidelberg.de

Public shuttle service: www.frankfurt-airport-shuttles.de



www.he-academy.com