

PONS

Pathology: Opportunities for Newcomers in Science

Timetable THURSDAY – 28 SEPTEMBER 2023

09.00 - 09.30	REGISTRATION
09.30 - 10.00	OPENING CEREMONY <i>Prof. Dr. Christoph Brochhausen-Delius & Prof. Dr. Michael Neumaier</i>
10.00 - 12.15	SESSION 1: ARTIFICIAL INTELLIGENCE MODERATORS <i>Prof. Dr. Michael Neumaier (Institute for Clinical Chemistry, University Hospital Mannheim)</i> <i>Dr. Fabian Siegel (Department of Biomedical Informatics, Medical Faculty Mannheim, University Heidelberg)</i> SPEAKER 10.00 - 10.30 <i>Dr. Peter Schardt (Chief Technology Officer, Siemens Healthineers)</i> The role of AI in the integrated diagnostics of the future 10.30 - 11.00 <i>Bettina Finzel (Chair of Cognitive Systems, University Bamberg)</i> Explainable Artificial Intelligence for Digital Pathology - Are We There Yet?
11.00 - 11.15	BREAK
11.15 - 11.45	<i>Prof. Dr. Vincent Heuveline (Chief Information Officer, University Heidelberg)</i> Research Data and Supercomputer: the hidden link towards AI and digital twins for medicine
11.45 - 12.15	<i>Dr. Máté E. Maros (Neuroradiology, Medical Faculty Mannheim, University Heidelberg)</i> Do we still need pathology for brain tumor classification or are AI and neuroimaging enough?
12.15 - 13.15	LUNCH BREAK
13.15 - 14.00	POSTER PRESENTATIONS IN EXHIBITION HALL
14.00 - 16.15	SESSION 2: MODERN PATHOLOGY MODERATORS <i>Prof. Dr. Dr. Sonja Loges (Department of Personalised Oncology, Medical Faculty Mannheim, University Heidelberg)</i> <i>Prof. Dr. Christoph Brochhausen-Delius (Institute of Pathology, Medical Faculty Mannheim, University Heidelberg)</i> SPEAKER 14.00 - 14.30 <i>Prof. Dr. Frederick Klauschen (Institute of Pathology, LMU Munich)</i> Histomorphology and molecular profiling - Artificial intelligence in tumor pathology 14.30 - 15.00 <i>Leeat Keren (Department of Molecular Cell Biology, Weizmann Institute of Science, Israel)</i> Multiplexed imaging for molecular pathology - challenges and opportunities
15.00 - 15.15	BREAK
15.15 - 15.45	<i>Prof. Dr. Philipp Ströbel (Institute of Pathology, University Göttingen)</i> Digital pathology in diagnostic care - a field report
15.45 - 16.15	<i>PD Dr. Yuri Tolkach (Institute of Pathology, University Hospital Cologne)</i> Digital pathology and artificial intelligence - Innovative approaches for uropathology
From 16.50	NETWORKING EVENING EVENT
16.50 - 17.00	Introduction <i>Prof. Dr. Christoph Brochhausen-Delius</i>
17.00 - 18.00	Evensong <i>Mainzer Domchor</i>



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Timetable FRIDAY – 29 SEPTEMBER 2023

09.00 - 11.30 SESSION 3: BIOBANKING | ARTIFICIAL INTELLIGENCE

MODERATORS

Dr. Romy Kirsten (Integrated Biobank Mannheim, Medical Faculty Mannheim, University Heidelberg)

Prof. Dr. Martin Lablans (Complex Data Processing in Medical Informatics, Medical Faculty Mannheim, University Heidelberg)

SPEAKER

09.00 - 09.30 Prof. Dr. Udo Kruschwitz (Chair of Information Science, University Regensburg)
Natural Language Processing - it's never been more exciting than today

09.30 - 10.00 Prof. Dr. Jens Habermann (General Director BBMRI-ERIC Graz, Austria)
Modern developments in biobanking

10.00 - 11.00 POSTER PRESENTATIONS IN EXHIBITION HALL AND BREAK

11.00 - 11.30 Prof. Dr. Carolyn Compton (Biodesign Clinical Testing Laboratory, Arizona State University, USA)
Biobanking - Quality matters

11.30 - 11.45 CLOSING CEREMONY AND POSTER PRICE CEREMONY

Prof. Dr. Christoph Brochhausen-Delius, Dennis Vermeulen, Philipp Kainz

11.45 - 13.00 LUNCH BREAK

13.00 - 16.00 WORKSHOPS

13.00 - 16.00 WS1:

Dennis Vermeulen (PreciPoint),
Philipp Kainz (KML Vision)



Enhancing Digital Pathology with AI - How to realize synergies between hardware and software in your workflow

13.00 - 16.00 WS2:

Dr. Volker Bruns (Medical Image Analysis, Fraunhofer IIS),
Dr. Michaela Benz (Digital Health Department, Fraunhofer IIS)
MICAIA® - the AI multitool for researching digital pathologists



Workshops take place in house 42, rooms S02 and S07. We will take you there after the lunch break.

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