

Morning Session Chair: *TBA*

08:30	Introduction and Welcome CPTS D1 Dr. Maximilian Wakonig-Köller – Medizinische Universität Wien
Whole Slide Image Generation	
08:40-09:10	Roadmap to Digitize Pathological Workflows TBA
09:15-09:45	End to End Quality in Digital Pathology TBA
09:50-10:20	Implementing Digital Pathology: The Step from Research to Diagnostics TBA
10:20-10:30	Comfort break
Thinking Like a Computational Pathologist- Methods in Computational Pathology	
10:35-11:05	From Pixel to Tissue - Introduction to Computational Pathology for Pathologists TBA
11:10-11:40	Quantitative Histo-Morphometry – from Pixels to Diagnosis TBA
11:45-12:45	Lunch break
Afternoon Session Chair: <i>Prof. TBA</i>	
12:55-13:25	Information Management and Standardization TBA
13:30-14:15	Meet The Experts
Tools in Computational Pathology	
14:20-14:50	Introduction to QuPath TBA
14:55-15:25	Computational Tools for Deployment of AI Algorithms in Pathology TBA
15:30-16:00	Wrap Up

Morning Session Chair: *TBA*

What Is Machine Learning in the Context of Computational Pathology?

08:30 **Introduction and Welcome CPTS D2**
Dr. Maximilian Wakonig-Köller – Medizinische Universität Wien

8:40-9:10 **General Introduction to Machine Learning for Pathologists**
TBA

09:15-09:45 **Convolutional Neural Networks: Leaving the Field of Histomorphometry**
TBA

09:50-10:20 **Multiple Instance Learning, Foundation Models, and Agents in Computational Pathology**
TBA

10:25-10:35 **Comfort break**

10:40-11:10 **How to Create a Dataset for Computational Pathology and What Points to Consider**
TBA

11:15-11:45 **High-Throughput Quality Control, Annotation, and Labeling in Digital Pathology Repositories for Biomarker Discovery**
TBA

11:50-12:20 **Data Augmentation, Stain Normalisation and Artefact Detection**
TBA

12:25-13:25 **Lunch break**

Afternoon Session Chair: *Prof. TBA*

13:35-14:05 **Human AI Interaktion mit Focus Biases / Evaluierung von AI Modellen, Metriken Richtig anwenden**
TBA

14:10-14:40 **Explainable ML Models for Computational Imaging**
TBA

14:45-15:30 **Meet the Experts**

15:35-16:00 **Wrap Up**

Morning Session Chair: *TBA*

How to Translate a Pathological Question into Computational Pathology

08:30	Introduction and Welcome CPTS D3 Dr. Maximilian Wakonig-Köller – Medizinische Universität Wien
08:40-09:10	Prostate – Computational Pathology in Uro pathology TBA
09:15-09:45	Breast – Computational Pathology in Senology TBA
09:50-10:20	GI Tract – Computational Pathology in Gastroenterology - ONLINE TBA
10:25-10:55	Kidney - Computational Pathology in Nephropathology TBA
11:00-11:10	Comfort break
11:15-11:45	AI in Heart Transplantation TBA
11:50-12:20	Digital Intelligence for Tissue Pathology TBA
12:20-12:50	AI in the Oncology Setting - ONLINE TBA
12:55-13:40	Meet The Experts

13:35-14:35 **Lunch break**

Afternoon Session Chair: *Prof. TBA*

14:45-15:15	Future Outlook - The Remarkable Potential of Deep Learning for Histopathology TBA
15:20-16:00	Wrap Up