15 SCIENTIFIC SESSIONS

Save the Date

WEDNESDAY, MARCH 29TH

SESSIONS

9:30 AM - 3:30 PM

KEYNOTE

4 PM

AI Applications in Neurology, Oncological & Musculoskeletal Imaging.

UCSF's Center for Intelligent Imaging *(ci²)* is joining forces with Friedrich-Alexander-Universität of Erlangen-Nürnberg (FAU) to host a series of fifteen scientific sessions that delve into artificial intelligence for a variety of applications including neuroimaging, oncology, and musculoskeletal imaging. The goal is to promote joint research collaborations, student exchanges and visiting researchers.

SCIENTIFIC TALKS SESSIONS (9:30 AM - 3:30 PM)

1. Machine Learning for MR Image Acquisition and Reconstruction
2. Inline AI for Automated and Quantitative CMR Imaging
3. Task-Based Reduced k-Space Image Reconstruction with AI
4. Multi-scale AI Driven Imaging of Aging: from Cells to Man
5. Mapping Brain Structure at Cellular Resolution
6. Domain Generalization and Label-Efficient Learning in Digital Pathology and Beyond
7. Prostate Cancer Assessment with mpMRI, PSMA PET, and Federated Learning
8. Automated Generation of Radiology Report Impressions from Free-Text Findings Using Sentence Transformers
9. Information Commons
10. Long-Tail Problems in Medical Image Analysis
11. Image Processing for Neuroradiologic Diagnosis
12. Robust and Ultralow-Parameter Denoising in Computed Tomography
13. Geometry Gradients for CT Motion Compensation
14. Assessment of Musculoskeletal Health at the Micro-scale by Photon Counting Computed Tomography
15. Cracking the Black Box of Deep Sequenced-Based Protein-Protein Interaction Prediction

KEYNOTE (4 PM)

Dorin Comaniciu, Senior Vice President of Artificial Intelligence and Digital Innovation at Siemens Healthcare, who will talk about
Artificial Intelligence for Healthcare: The Road Ahead

For More Information Please Visit tiny.ucsf.edu/scientificsessions

FAU-UCSF ITINERARY, WEDNESDAY, MARCH 29

Start	End	Description	Facilitator(s)	Venue
8:30 AM	9:15 AM	Meet & Greet / Light Breakfast	All	Rock Hall 102
9:15 AM	9:30 AM	Welcome and Introduction	Christopher Hess, MD, PhD Sharmila Majumdar, PhD Andreas Rauschecker, MD, PhD Joachim Hornegger, PhD	
9:30 AM	**3:45 PM**	**SCIENTIFIC TALKS**		
9:30 AM	9:50 AM	Machine Learning for MR Image Acquisition and Reconstruction	Florian Knoll, PhD Marc Vornehm Erik Goesche	
9:50 AM	10:10 AM	Inline AI for Automated and Quantitative CMR Imaging	Yang Yang, PhD	
10:10 AM	10:30 AM	Task-Based Reduced k-Space Image Reconstruction with AI	Aniket Tolpadi, PhD	
10:30 AM	10:50 AM	Multi-scale AI Driven Imaging of Aging: from Cells to Man	Valentina Pedoia, PhD	
10:50 AM	11:10 AM	Mapping Brain Structure at Cellular Resolution	Christoph Kirst, PhD	
11:10 AM	**11:15 AM**	**BREAK**		
11:15 AM	11:35 AM	Domain Generalization and Label-Efficient Learning in Digital Pathology and Beyond	Katharina Breininger, PhD	
11:35 AM	11:55 AM	Prostate Cancer Assessment with mpMRI, PSMA PET, and Federated Learning	Peder Larson, PhD	
11:55 AM	12:15 PM	Automated Generation of Radiology Report Impressions from Free-Text Findings Using Sentence Transformers	Jae Ho Sohn, MD, MS	
12:15 PM	12:35 PM	Information Commons	Jason Crane, PhD	
12:35 PM	1:40 PM	Lunch Break – Boxed lunches		
1:40 PM	2:00 PM	Long-Tail Problems in Medical Image Analysis	Bernhard Kainz, PhD Johanna Mueller	
2:00 PM	2:20 PM	Image Processing for Neuroradiologic Diagnosis	Andreas Rauschecker, MD, PhD	
2:20 PM	2:40 PM	Robust and Ultralow-Parameter Denoising in Computed Tomography	Andreas Maier, PhD Fabian Wagner	
2:40 PM	3:00 PM	Geometry Gradients for CT Motion Compensation	Mareike Thiess	
3:00 PM	3:20 PM	Assessment of Musculoskeletal Health at the Micro-scale by Photon Counting Computed Tomography	Andrew Burghardt	
3:20 PM	3:40 PM	Cracking the Black Box of Deep Sequenced-Based Protein-Protein Interaction Prediction	David Blumenthal, PhD Jana Kiederle Nicolai Meyerhoefer	
3:40 PM	**4:00 PM**	**BREAK**		
4:00 PM	5:00 PM	Keynote Address - Artificial Intelligence for Healthcare: The Road Ahead	Dorin Comaniciu, PhD	Rock Hall 102
5:00 PM	6:00 PM	Wine & Cheese Reception		Rock Hall

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