

## Keynote Speakers



**Wednesday, Oct 4<sup>th</sup> 1-2pm**

**Dr. Mirabela Rusu, PhD**

Keynote: Bridging the gap between real time b-mode ultrasound and pathology images using Artificial Intelligence methods for prostate cancer detection.



**Wednesday, Oct 4<sup>th</sup> 4-5pm**

**Dr. Akshay Chaudhari, PhD**

Keynote: Data Efficient Deep Learning in Radiology: From Vision to Language

# ADVANCES IN ARTIFICIAL INTELLIGENCE & NOVEL IMAGING METHODS CONFERENCE



## ITINERARY: WEDNESDAY, OCTOBER 4TH

Location: Byers Auditorium, Genentech Hall, 1700 4th Street

Start Time	End Time	Presenter(s)	Title
8:30 am	9:15 am	Valentina Padoia, PhD Claus Glüer, PhD Sharmila Majumdar, PhD Kiel Team	<i>SOFIA Paper Discussion</i> Byers Hall 203D/Sharmila's Office
<b>8:30 am</b>	<b>9:10 am</b>	<b>Continental Breakfast</b>	
9:15 am	9:55 am	Christopher Hess, MD, PhD	<b>Welcome Remarks &amp; Pushing Imaging AI Across the Finish Line</b>
10:00 am	10:40 am	<b>Session 2 continued: 15-Minute Talks, 5-Minute Q&amp;A</b>	<b>Hyperpolarized C13</b>
		Josh Peters (Zoom)	<i>Advances in 13C and 15N DNP using the spinAligner</i>
		Andreas Schmidt, PhD (Zoom)	<i>Preclinical metabolic imaging with SABRE polarized pyruvate</i>
10:40 am	11:50 am	<b>Session 3: 15-Minute Talks, 5-Minute Q&amp;A</b>	<b>Advances in AI, Metabolic Imaging and Translation to the Clinic</b>
		Nikhil Deveshwar	<i>Synthesizing MRI Raw Data</i>
		Peder Larson, PhD	<i>Deep Learning Assessments of Prostate and Kidney Cancer Imaging</i>
		Gabbie Hoyer	<i>Self-Supervised Representation Learning for Knee MRI</i>
<b>11:50 am</b>	<b>1:00 pm</b>	<b>Lunch Catered</b>	
1:00 pm	2:00 pm	Mirabela Rusu, PhD	<i>Keynote: Bridging the gap between real time b-mode ultrasound and pathology images using Artificial Intelligence methods for prostate cancer detection</i>
2:00 pm	3:30 pm	<b>Session 4: 10-Minute Talks, 5-Minute Q&amp;A</b>	<b>Information Commons Showcase</b>
		Oksana Gologorskaya	<i>Information Commons - UCSF platform for data-driven discovery</i>
		Brendan Huang, MD, PhD	<i>Multimodal analysis of patients with lung fibrosis using Information Commons</i>
		Drew Lansdown, MD	<i>Who Will Have Meniscus Surgery? Predicting Surgical Treatment with Population-Level Data</i>
		Michelle Tong	<i>Lower Back Pain Cohort Exploration for Prognosis and Treatment Planning</i>
		Reza Eghbali, PhD	<i>Predictive Analytics Using Imaging and Clinical Data for Primary CNS Lymphoma</i>
		Ian Oh	<i>The Fourth Industrial Revolution &amp; Digital Pathology: Leveraging Silicon for Automated Image Segmentation and Registration</i>
<b>3:30 pm</b>	<b>4:00 pm</b>	<b>Break</b>	
4:00 pm	5:00 pm	Akshay Chaudhari, PhD	<i>Keynote: Data Efficient Deep Learning in Radiology: From Vision to Language</i>
5:00 pm	5:30 pm	<b>10-Minute Talks</b>	<b>Natural Language Processing</b>
		Masha Bondarenko	<i>Combined Imaging and Clinical Factors to Predict Growing Pre-neoplastic and Early-Stage Lung Adenocarcinoma</i>
		Ashita Tanwar	<i>Analysis of Patients Who Died of Lung Cancer Despite Adherence to CT Lung Cancer Screening Program</i>
		Adrian Dar Serapio	<i>Development and Reader Performance Evaluation of T5 Large Language model to Generate Radiologic Impression from Findings Section of the Report</i>
5:30	6:00	Jesse Courtier, MD Beck Olson Maddie Hess	<i>A Novel Machine Learning Application in Augmented Reality 3D Model Creation</i>
<b>6:30</b>		<b>Faculty + Invited Speakers</b>	<b>Dinner</b>
<b>6:30</b>		<b>Kiel + UCSF Researchers</b>	<b>Dinner</b>

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