

2024 Robert Gillies Machine Learning Conference

November 14 & 15, 2024 Moffitt Cancer Center Tampa, FL

Nov 13	1:30 - 5:00 Hackathon / SRB Couch Auditorium							
1407 13	1.50 - 3	J.00		Hackatholi / SKD Couch Auditorium				
	Day 1 - Conference							
		Duration						
Nov. 14	<u>Time</u>	(min)	Session	<u>Details</u>	Moderator/Speaker	<u>Affiliation</u>		
	8:00	30	Registration & Sign in	Continential Breakfast - SRB Atrium				
				All Presentations in SRB Couch Auditorium				
	8:30	10		<u>Welcome</u>	-			
	8:40	10		QS Chief:	Dana Rollison	Moffitt		
	8:50	10		ML Chair:	Issam El Naqa	Moffitt		
	9:00	60	General Al session	The Future of AI in Healthcare and Cancer	Moderator: Larry Hall	USF		
	9:00	30	Talk	"Interpretable Omics Data Analysis for Precision Medicine"	Lei Xing	Stanford		
				"Personalized Oncology, Adaptive Radiotherapy,		UT South		
	9:30	30	Talk	and Al Agents"	Steve Jiang	Western		
	10:00	15	Mini break	-				
	10:15			diomics/Medical Imaging	Moderator: Bethany Niell	Moffitt		
	10:45	30	Talk	"Bringing Medical Image Analysis AI to the Clinic"	Karen Drukker	U Chicago		
	11:15	30	Talk	"Translating Quantitative Imaging Into Clinical Practice"	Paul Kinahan	U Washington		
					Xing, Jiang, Drukker,			
	12:00	45	Panel		Kinahan			
	12:00	60	Lunch Break	Lunch Provided - SRB Atrium				
		30	Sponsor Presentation	World Wide Technology	Kasey Chan			
	1:00	60	<u>Al gen</u>	omics and Bioinformatics	Moderator: Issam El Naqa	Moffitt		
	1:00	30	Talk	"Targeted and interpretable deep learning methods for single-cell RNA sequencing"	Xuefeng Wang	Moffitt		
				"Al Innovations in Drug Design and Molecular				
	1:30	30	Talk	Interactions"	Aleks Karolak	Moffitt		
	2:00	15	Mini break					
	0.45	60	Divital Dath down	Future Al Dethalous/Dethausian	Moderator: Yoga Balagurunathan	NA - 65:44		
	2:15	60	<u>Digital Pathology</u>	Future Al Pathology/Pathomics	roga Balagurunathan	MOTIIII		
	2:15	30	Talk	"How AI is Revolutionizing Healthcare"	Andrew Borkowski	VA		
				"Spatially resolved hallmarks of response to neoadjuvant immune checkpoint blockade				
	2:45	30	Talk	therapies in 2D and 3D"	Pei-Ling Chen	Moffitt		
	3:15	15	Mini break		Moderator: Matt Schabath			
	3:30	60	NLP, Langu	uage Models, Foundation Models		Moffitt		
	3:30	30	Talk	"Using Multimodal Graph Neural Networks for the Prediction of Clinical Variables in Pan-Cancer Settings"	Ghulam Rasool	Moffitt		
	4:00	30	Talk	"Towards an AI Assistant Efficiently Pulling Clinical Information from Patient's Chart"	Thanh Thieu	Moffitt		
	4:30	30	Break			·		
	5:00-6:00		Posters	With m/cocktails - SRB Atrium				
	6:00-8:00		Dinner	Dinner Provided - SRB Atrium				

Sign in Breakfast Continential Breakfast SRB Atrium Gilmer Valdes Moffitt	Day 2						
8:30 30 Sign in / Breakfast Continential Breakfast - SRB Atrium All Presentations in SRB Couch Auditorium Silmer Valdes Moffitt	Nov 15						
9:00 60 Conversation with Jerry Friedman Gilmer Valdes Moffitt 10:01 15 Mini break Moderator: 10:15 75 Al in Clinical Operations Clinical Informatics Dana Rollison Moffitt 10:15 75 Al in Clinical Operations Clinical Informatics Dana Rollison Moffitt 10:15 75 Al in Clinical Operations Clinical Informatics Dana Rollison Moffitt 10:15 75 Al in Clinical Operations Clinical Informatics Dana Rollison Moffitt 10:15 30 Talk of Al in Medicine* Randa Perkins Moffitt 11:30 30 Sponsor Presentation Capeico Health Randa Perkins Moffitt 11:30 30 Sponsor Presentation Impact Business Information Solutions, Inc Tony O'Sullivan Moderator: 1:00 60 Ethics, Blases and Regulations Moderator: 1:00 30 Talk Market?** Ghadah Alzamzmi FDA 1:30 30 Talk Cancer Care** Katherine Drabiak USF 2:00 15 Mini Break Moderator: 2:15 60 Causal Inference and Trustworthiness Gilmer Valdes Moffitt "Targeted Learning: The Bridge from Machine Learning to Statistical and Causal Inference** Rachael Philips Berkeley 2:45 30 Talk Machine Learning Models Less Blased** Yi Luo Moffitt 3:30 Talk Scalable Informatics for Impactful Imaging Al** Use Moderator: Ghulam Rasool Moffitt "Scalable Informatics for Impactful Imaging Al** Use Moderator: Systems: From Human Digital Twins to Operational Resilience** Svittana Volkova Aptima 4:30 30 Closing Remarks	1404. 13	8:30	30	Sign in / Breakfast	Continential Breakfast - SRB Atrium		
10:00	-			<u> </u>			
10:15 75 Al in Clinical Operations Clinical Informatics Dana Rollison Moffitt 10:15 30 Talk "Healing with Models: The Transformative Role of Al in Medicine" Madhusmita Behera Emory 10:45 45 Talk "Al-Enabled Tools in Oncology as Standard of Care" Randa Perkins Moffitt 11:30 30 Sponsor Presentation Capsico Health Ramesh Jakka 12:00 60 Lunch Break Lunch provided- SRB Atrium Moderator: Lee Green Moffitt 1:00 30 Talk "(How) Can we Trust Al Algorithms Post-Market?" Ghadah Alzamzmi FDA 1:30 30 Talk "Legal and Ethical Considerations for Al in Cancer Care" Katherine Drabiak USF 2:00 15 Mini Break Moderator: Causal Inference and Trustworthiness Moderator: Gilmer Valdes Moffitt 2:15 30 Talk "Targeted Learning: The Bridge from Machine Learning to Statistical and Causal Inference" Rachael Philips Berkeley 2:45 30 Talk Mechine Learning Models Less Biased Yi Luo Moffitt 3:30 Talk Scalable Informatics for Impactful Imaging Al" Scalable Informatics for Moderator: Ghulam Rasool Moffitt 3:30 Talk Scalable Informatics for Impactful Imaging Al" Vaugmented Intelligence via Multi-Agent Systems: From Human Digital Twins to Operational Resilience" Svitlana Volkova Aptima 4:30 30 Closing Remarks Organizers		9:00	60	Conve	ersation with Jerry Friedman	Gilmer Valdes	Moffitt
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MEETING SPONSORS:

PLATIUNUM: WORLD WIDE TECHNOLOGY

GOLD: CAPSICO HEALTH, IBIS

SILVER: CAPSICO HEALTH, RAY SEARCH, FLYWHEEL, MIM SOFTWARE

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