



Midwest Metabolism Meeting (M3)

Thursday, September 19, 2024 • 8:00 a.m. - 5:05 p.m.
Northwestern Memorial Hospital, Feinberg 3rd Floor Conference Center

RECEPTION | 5:30 p.m.-7:30 p.m. Residence Inn Chicago Mag Mile 101 E. Erie St, Chicago

8:00 a.m.	Check-in and Breakfast	11:55 a.m.	Lunch & Poster Session
9:00 a.m.	Opening Remarks	SESSION 3:	Issam Ben-Sahra, PhD, Session Chair
SESSION 1:	Issam Ben-Sahra, PhD, Session Chair	1:35 p.m.	Impact of High Fat Diet-Induced Lipotoxic Stress on Cancer Therapy Response Yujin Jeong, PhD Postdoctoral Fellow, Van Andel Institute, Lien Lab
9:05 a.m.	L-2-hydroxyglutarate (L-2-HG) is a Signaling Metabolite That Controls Mammalian Development Ram Chakrabarty		
	Graduate Student, Northwestern University, Chandel Lab	1:55 p.m.	RNS-Mediated Dynamic Rewiring of Pro-Inflammatory Macrophages Supports Immune Function Nick Arp Graduate Student, University of Wisconsin-Madison, Fan Lab
9:25 a.m.	Maternal Diet Influences Embryo Development and Offspring Phenotype in Drosophila Melanogaster Krittika Sudhakar, PhD		
9:45 a.m.	Non-Small Cell Lung Cancer Cells Leverage Extracellular Vesicles to Induce Alterations in Neutrophil Function and Metabolism Ajay Shankaran Graduate Student, University of Michigan, Nagrath Lab HK2 is Conditionally Essential for Growth in Human Cancer Cells	2:15 p.m.	Defining the Role of Uridine Metabolism in Pancreatic Tumorigenesis Julia Ugras Graduate Student, University of Michigan, Lyssiotis Lab
		10:05 a.m.	
10:25 a.m.		Kim Huggler Graduate Student, University of Wisconsin-Madison, Cantor Lab	2:55 p.m.
			Graduate Student, University of Illinois at Chicago, Coloff Lab
	Clara Peek, PhD, Session Chair	3:15 p.m.	Break
10:35 a.m.	Succinate Controls De Novo Purine Synthesis and Cancer Cell Growth Mushtaq Nengroo, PhD Postdoctoral Fellow, Northwestern University, Ben-Sahra Lab	SESSION 4:	Navdeep Chandel, PhD, Session Chair
		3:25 p.m.	Immunomodulatory Role of the Clock During Skeletal Muscle Regeneration via Hypoxic NAD+ Production Eric Pfrender Research Technician, Northwestern University, Peek Lab
10:55 a.m.	Purine Salvage Promotes Treatment Resistance in H3K27M-Mutant Diffuse Midline Glioma Erik Peterson Graduate Student, University of Michigan, Wahl Lab		
		3:45 p.m.	Fueling the Way—The Role of Localized GTP Synthesis in Cancer Metastasis
11:15 a.m.	Loss of NADPH-Producing Enzymes Accelerates Pancreatic Precancerous Lesions Megan Radyk, PhD Postdoctoral Fellow, University of Michigan, Lyssiotis/Shah Labs		Aki Ogawa-lio, DVM, PhD Postdoctoral Fellow, University of Cincinnati, Sasaki Lab
		4:05 p.m.	The Transformative Discovery of Drugs with Integrated Multiple Hormone Activities to Address Obesity Richard Di Marchi, PhD Distinguished Professor of Chemistry, Indiana University
11:35 a.m.	Small Amino Acids That Accumulate in Tumors Enable Cancer Cells to Overcome Lethal Chemotherapies Guillaume Cognet PhD Postdoctoral Fellow, University of Chicago, Muir Lab		
		5:05 p.m.	Closing Remarks & Adjourn
		5:30 p.m.	Reception at Residence Inn Mag Mile