



Sunday, February 26 th , 2023			
Time	Function	Location	
10:00 AM – 5:30 PM	REGISTRATION		
12:00 PM – 12:15 PM	Opening Remarks: Mark Atkinson, PhD, Carmella Evans-Molina, MD PhD, and Alberto Pugliese, MD		
12:15 PM – 1:45 PM	Cutting Edge Seminar I: Islet Cell Biology and Implications for Type 1 Diabetes Co-chairs: Teresa Mastracci, PhD and Jim Johnson, PhD		
	12:15 PM – 12:40 PM		<i>Islet plaques and islet macs: IAPP as a trigger and biomarker in type 1 diabetes</i> Bruce Verchere, PhD
	12:40 PM – 1:05 PM		<i>Beta cell stress in autoimmune diabetes</i> Feyza Engin, PhD
	1:05 PM – 1:30 PM		<i>Phenocopies and genocopies of beta cell failure caused by endoplasmic reticulum stress</i> Miriam Cnop, MD PhD
	1:30 PM – 1:45 PM		<i>Activation of the Integrated Stress Response in Beta Cells Governs a Signaling Cascade that Contributes to Suppression of PD-L1 Production</i> Charanya Muralidharan, PhD
1:45 PM – 2:15 PM	Discussion Session I: Islet Cell Biology and Implications for Type 1 Diabetes Led by: Teresa Mastracci, PhD and Jim Johnson, PhD		

2:15 PM – 2:45 PM	BREAK	
2:45 PM – 4:15 PM	Cutting Edge Seminar II: Understanding Replication, Islet Metabolism and Autoimmunity in T1D Co-chairs: Al Powers, MD and Martha Campbell-Thompson, PhD	
	2:45 PM – 3:10 PM	<i>Characterizing immune and Metabolic Responses in T1D Pancreatic Slice</i> Edward Phelps, PhD
	3:10 PM – 3:35 PM	<i>Dynamic single-cell resolution analysis of exocrine-endocrine plasticity: The best thing since sliced pancreas?</i> Juan Dominguez-Bendala, PhD
	3:35 PM – 4:00 PM	<i>Moving DYRK1A Inhibitors from the Lab to People with T1D</i> Andrew Stewart, MD
	4:00 PM – 4:15 PM	<i>Targeting alpha cells to treat hypoglycemia in type 1 diabetes</i> Julia Panzer, PhD
4:15 PM – 4:45 PM	Discussion Session II: Understanding Replication, Islet Metabolism and Autoimmunity in T1D Led by: Al Powers, MD and Martha Campbell-Thompson, PhD	
4:45 PM – 5:30 PM	George Eisenbarth Memorial Lecture: <i>Impact of individual cytokines on human beta cells - surprises and new directions</i> Decio Eizirik, MD PhD Introduction by Carmella Evans-Molina, MD PhD	
5:30 PM – 6:30 PM	RECEPTION (light hors d'oeuvres provided)	
6:30 PM	DINNER (on your own)	

Monday, February 27th, 2023

Time	Function		Location
7:30 AM – 4:30 PM	REGISTRATION		
7:00 AM – 8:30 AM	BREAKFAST		
7:30 AM – 8:30 AM	<p style="text-align: center;">SPECIAL BREAKFAST MEETING: Opportunities (Current and Future) for T1D Related Research- an NIAID Perspective* with Maggie Morris, PhD *Pre-registration required. Target Audience: Early Career Investigators and Trainees</p>		
8:30 AM – 9:15 AM	<p style="text-align: center;">Keynote Speaker: <i>Translational Research in Vitiligo: Developing Targeted Immunotherapy for Autoimmune Disease</i> John Harris, MD PhD Introduction by Mark Atkinson, PhD</p>		
9:15 AM – 10:05 AM	<p>Cutting Edge Seminar III: Lessons from other diseases Co-Chairs: Raghu Mirmira, MD PhD and Reza Abdi, MD</p>		
	9:15 AM – 9:40 AM	<p><i>Immune aging and type 1 diabetes: Lessons from Down syndrome</i> Bernard Khor, MD PhD</p>	
	9:40 AM – 10:05 AM	<p><i>New Therapeutic Approaches and Immunological Insights in Alopecia Areata</i> Angela Christiano, PhD</p>	
10:05 AM – 10:35 AM	<p>Discussion Session III: Lessons from other diseases Led by: Raghu Mirmira, MD PhD and Reza Abdi, MD</p>		
10:35 AM – 11:00 AM	BREAK		

	Oral Abstracts I: Pancreas, Islets and Beta Cells Co-Chairs: Albert Hwa, PhD and Pia Leete, PhD		
11:00 AM – 11:45 AM	11:00 AM- 11:15 AM	<i>Beta Cell miRNAs Function as Molecular Hubs of Type 1 Diabetes Risk and Pathogenesis</i> Farooq Syed, PhD	
	11:15 AM- 11:30 AM	<i>Circulating miRNome stratifies T1D subjects in two subgroups with different immunomic profile and insulin requirement at follow-up.</i> Guido Sebastiani, PhD	
	11:30 AM 11:45 AM	<i>Coxsackievirus infection induces direct beta-cell killing and poor CD8+ T-cell responses</i> Federica Vecchio	
11:45 AM – 12:00 PM	BEACH PHOTO Organized by Alberto Pugliese, MD		
12:00 PM – 1:00 PM	LUNCH		
	Cutting Edge Seminar IV: Autoimmunity/Pathogenesis Co-Chairs: Maigan Brusko, PhD and Jon Piganelli, PhD		
1:00 PM – 2:15 PM	1:00 PM – 1:25 PM	<i>Understanding β cell dysfunction in T1D</i> Clayton Mathews, PhD	
	1:25 PM – 1:50 PM	<i>Islet myeloid cells: Instigators and peacekeepers</i> Rachel Friedman, PhD	
	1:50 PM – 2:15 PM	<i>Defective RNA editing as a path to sterile islet inflammation and diabetes</i> Yuval Dor, PhD	
2:15 PM – 2:45 PM	Discussion Session IV: Autoimmunity/Pathogenesis Led by: Maigan Brusko, PhD and Jon Piganelli, PhD		

2:45 PM – 3:15 PM	BREAK		
3:15 PM – 4:00 PM	Oral Abstracts II: Pancreas Pathology and T1D Pathogenesis Co-Chairs: Joshua Vieth, PhD and Maria Bettini, PhD		
	3:15 PM – 3:30 PM	<i>The extent and magnitude of islet T cell infiltration as powerful tools to define the progression to type 1 diabetes</i> Teresa Rodriguez-Calvo, DVM PhD	
	3:30 PM – 3:45 PM	<i>Selective sparing of the head region during type 1 diabetes-associated loss of pancreatic mass</i> Noel Morgan, PhD	
	3:45 PM – 4:00 PM	<i>Using integrated analysis of immune phenotype and T cell receptor sequences to identify genotype and disease driven signatures in tissue.</i> Leeana Peters	
4:00 PM – 7:00 PM	FREE TIME / NETWORKING		
7:00 PM – 10:00 PM	DINNER, AWARDS CEREMONY & nPOD TALENT SHOW		

Tuesday, February 28th, 2023		
Time	Function	Location
7:00 AM – 8:30 AM	BREAKFAST	

7:30 AM – 8:30 AM	<p align="center">SPECIAL BREAKFAST MEETING: Lessons from more than a half century in Type 1 Diabetes care and research* with Johnny Ludvigsson, MD PhD *Pre-registration required Target Audience: Early Career Investigators and Trainees</p>		
8:30 AM – 9:45 AM	<p align="center">Cutting Edge Seminar V: B lymphocytes in T1D Co-Chairs: Roberto Mallone, MD PhD and Sally Kent, PhD</p>		
	8:30 AM – 8:55 AM	<p align="center"><i>Decoding the diabetogenic B cell in T1D</i> Mia Smith, PhD DVM</p>	
	8:55 AM – 9:20 AM	<p align="center"><i>Thymic B cells and intracellular complement-collaborators, or foes, in the type 1 diabetes response?</i> Allison Green, PhD</p>	
	9:20 AM – 9:45 AM	<p align="center"><i>B lymphocyte recognition of insulin in at-risk T1D individuals</i> Rachel Bonami, PhD</p>	
9:45 AM – 10:00 AM	<p align="center"><i>B cell metabolic phenotypes throughout type 1 diabetes disease progression</i> Jamie Felton, MD</p>		
10:00 AM – 10:30 AM	<p align="center">Discussion Session V: B Lymphocytes in T1D Led by: Roberto Mallone, MD PhD and Sally Kent, PhD</p>		
10:30 AM – 11:00 AM	<p align="center">BREAK</p>		
11:00 AM – 12:30 PM	<p align="center">SHARK TANK: Endotypes in T1D Diabetes: Holy grail or Hype? Sharks: Richard Oram PhD, Sarah Richardson PhD, David Leslie PhD, and TBA</p>		
	11:00 AM – 11:15 AM	<p align="center"><i>Kendra Vehik, MPH PhD</i></p>	
	11:15 AM – 11:30 AM	<p align="center"><i>Emily Sims, MD MS</i></p>	

	11:30 AM – 11:45 AM	<i>Matthias von Herrath, MD</i>	
	11:45 AM- 12:00 PM	<i>Bill Hagopian, MD PhD</i>	
	12:00 PM – 12:30 PM	<i>Audience Response</i>	
12:30 PM – 1:30 PM	LUNCH		
1:30 PM – 3:45 PM	FREE TIME/NETWORKING		
3:45 PM – 5:00 PM	Lessons from Clinical Population/ Clinical Trials Co-Chairs: TBA and Dirk Homann, MD		
	3:45 PM – 4:10 PM	<i>Phenotypes of relatives with GAD/single autoantibodies only, from the TrialNet cohort</i> Emanuele Bosi, MD	
	4:10 PM – 4:35 PM	<i>The DiViD studies - From pancreatic biopsies to clinical trials</i> Knut Dahl-Jørgensen, MD PhD	
	4:35 PM – 5:00 PM	<i>TBA</i>	
5:00 PM – 5:30 PM	Discussion Session: Lessons from Clinical Populations/Trials Led by: Laura Jacobsen, MD and Dirk Homann, MD		
5:30 PM – 6:00 PM	BREAK		
6:00 PM – 8:00 PM	Poster Session Presentation of nPOD designs (posters/stickers) Heavy hors d'oeuvres provided		
8:00 PM	DINNER (on your own)		

Wednesday, March 1st, 2023 (Half day)

Time	Function	Location
7:00 AM – 9:00 AM	<p style="text-align: center;">BREAKFAST & CHECKOUT Hotel checkout is 11 AM</p> <p>If checking out today, please bring luggage to the registration table for the remainder of the meeting.</p> <p>Note: Breakfast will only be served from 7:00 AM – 8:30 AM</p>	
7:30 AM – 8:30 AM	<p style="text-align: center;">SPECIAL BREAKFAST MEETING: Women in Diabetes Research* with Jessica Dunne and/or Amelia Linnemann</p> <p style="text-align: center;">*Pre-registration required. Target Audience: Female Investigators</p>	
9:00 AM – 9:45 AM	<p>Oral Abstracts III: Immune Mechanisms Jessica Dunne, PhD and Maryaline Coffre, PhD</p>	
	9:00 AM – 9:15 AM	<p style="text-align: center;"><i>Mutation of the Programmed Death – Ligand 1 (PD-L1) results in infancy-onset autoimmune diabetes and immune dysregulation through reduced PD-L1 expression.</i></p> <p style="text-align: center;">Matthew Johnson, PhD</p>
	9:15 AM – 9:30 AM	<p style="text-align: center;"><i>Novel highly multiplexed platform unravels a potential role for S100 proteins in type 1 diabetes</i></p> <p style="text-align: center;">Estefania Quesada-Masachs, MD PhD</p>
	9:30 AM – 9:45 AM	<p style="text-align: center;"><i>Characterization of pancreatic T cell populations reveals T1D-associated TCR sequences and public TCRs directed to viral antigens</i></p> <p style="text-align: center;">Maki Nakayama, MD PhD</p>
9:45 AM – 10:00 AM	BREAK	
10:00 AM – 11:15 AM	<p>Cutting Edge Seminar VI: Novel Imaging Techniques Co-Chairs: Jason Gaglia, MD and John Kaddis, PhD</p>	

	10:00 AM – 10:25 AM	<i>Contrast-enhanced ultrasound to track islet vascular remodeling and type 1 diabetes progression</i> Richard Benninger, PhD	
	10:25 AM – 10:50 AM	<i>Real-time in vivo imaging of beta cell stress response</i> Amelia Linnemann, PhD	
	10:50 AM – 11:15 AM	<i>Understanding diseases of the pancreas via 3D histology reconstruction and quantification</i> Ashley Kiemen, PhD	
11:15 AM – 11:45 AM	Discussion Session VI: Novel Imaging Techniques Led by: Jason Gaglia, MD and John Kaddis, PhD		
11:45 AM – 12:00 AM	Ending of Meeting Remarks: Mark Atkinson, PhD, Carmella Evans-Molina, MD PhD, and Alberto Pugliese, MD		
END OF MEETING			

A Special Thank You to Our Sponsors

