

Sunday, February 26 th , 2023			
Time	Function	Location	
10:00 AM – 5:30 PM	REGISTRATION	Magnolia Foyer	
12:00 PM – 12:15 PM	Opening Remarks Mark Atkinson, PhD, Carmella Evans-Molina, MD PhD Alberto Pugliese, MD	Magnolia Ballroom (A-D)	
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	Magnolia Ballroom (A-D)	
	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	Magnolia Ballroom (A-D)	

2:15 PM – 2:45 PM	BREAK	--
2:45 PM – 4:15 PM	Cutting Edge Seminar II: Understanding Replication, Islet Metabolism and Autoimmunity in Type 1 Diabetes Co-chairs: Al Powers, MD and Martha Campbell-Thompson, DVM PhD	
	2:45 PM – 3:10 PM	<i>Characterizing Immune and Metabolic Responses in Type 1 Diabetes Pancreatic Slices</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 Type 1 Diabetes</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, DVM PhD	Magnolia Ballroom (A-D)
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	Magnolia Ballroom (A-D)
5:30 PM – 6:30 PM	RECEPTION (light hors d'oeuvres provided)	Magnolia Foyer
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		Magnolia Foyer
7:30 AM – 8:30 AM	<p style="text-align: center;">SPECIAL BREAKFAST MEETING Opportunities (Current and Future) for Type 1 Diabetes Related Research - an NIAID Perspective with Maggie Morris Fears, PhD</p>  <p style="text-align: center;">Target Audience: Early Career Investigators and Trainees *Pre-registration encouraged</p>		Conference Room 2 and 3
8:30 AM – 9:15 AM	<p>Keynote Speaker: <i>Translational Research in Vitiligo: Developing Targeted Immunotherapy for Autoimmune Disease</i> John Harris, MD PhD</p>		Magnolia Ballroom (A-D)
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>		Magnolia Ballroom (A-D)
	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>		Magnolia Ballroom (A-D)

10:35 AM – 11:00 AM	BREAK		--
11:00 AM – 11:45 AM	Oral Abstracts I: Pancreas, Islets and Beta Cells Co-Chairs: Albert Hwa, PhD and Pia Leete, PhD		Magnolia Ballroom (A-D)
	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 Type 1 Diabetes Subjects in Two Subgroups with Different Immunic 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		Magnolia Foyer
1:00 PM – 2:15 PM	Cutting Edge Seminar IV: Autoimmunity and Inflammation in the Pathogenesis of Type 1 Diabetes Co-Chairs: Nikki Farnsworth, PhD and Jon Piganelli, PhD		Magnolia Ballroom (A-D)
	1:00 PM – 1:25 PM	<i>Understanding Beta Cell Dysfunction in Type 1 Diabetes</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 and Inflammation in the Pathogenesis of Type 1 Diabetes Led by: Nikki Farnsworth, PhD and Jon Piganelli, PhD		Magnolia Ballroom (A-D)
2:45 PM – 3:15 PM	BREAK		---
3:15 PM – 4:00 PM	Oral Abstracts II: Pancreas Pathology in Type 1 Diabetes Co-Chairs: Joshua Vieth, PhD and Maria Bettini, PhD		Magnolia Ballroom (A-D)
	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		Magnolia Terrace and Garden

Tuesday, February 28th, 2023

Time	Function	Location	
7:00 AM – 8:30 AM	BREAKFAST	Magnolia Foyer	
7:30 AM – 8:30 AM	<p style="text-align: center;">SPECIAL BREAKFAST MEETING Lessons From More Than a Half Century in Type 1 Diabetes Care and Research with Johnny Ludvigsson, MD PhD</p>  <p style="text-align: center;">Target Audience: Early Career Investigators and Trainees *Pre-registration required</p>	Conference Room 2 and 3	
8:30 AM – 9:45 AM	Cutting Edge Seminar V: B lymphocytes in T1D Co-Chairs: Roberto Mallone, MD PhD and Sally Kent, PhD		Magnolia Ballroom (A-D)
	8:30 AM – 8:55 AM	<i>Decoding the Diabetogenic B Cell in Type 1 Diabetes</i> Mia Smith, PhD DVM	
	8:55 AM – 9:20 AM	<i>Thymic B Cells and Intracellular Complement - Collaborators or Foes in the Type 1 Diabetes Response?</i> Allison Green, PhD	
	9:20 AM – 9:45 AM	<i>B Lymphocyte Recognition of Insulin in At-Risk Type 1 Diabetes Individuals</i> Rachel Bonami, PhD	
	9:45 AM – 10:00 AM	<i>B Cell Metabolic Phenotypes Throughout Type 1 Diabetes Disease Progression</i> Jamie Felton, MD	
10:00 AM – 10:30 AM	Discussion Session V: B Lymphocytes in T1D Led by: Roberto Mallone, MD PhD and Sally Kent, PhD		Magnolia Ballroom (A-D)
10:30 AM – 11:00 AM	BREAK		--

11:00 AM – 12:30 PM	SHARK TANK Endotypes in T1D Diabetes: Holy Grail or Hype? Sharks: Richard Oram, MD PhD; Sarah Richardson, PhD; David Leslie, MD; and Johnny Ludvigsson MD PhD		Magnolia Ballroom (A-D)
	11:00 AM – 11:15 AM	<i>Kendra Vehik, MPH PhD</i>	
	11:15 AM – 11:30 AM	<i>Emily Sims, MD MS</i>	
	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		Magnolia Foyer
1:30 PM – 3:45 PM	FREE TIME/NETWORKING		--
3:45 PM – 5:00 PM	Cutting Edge Seminar VI: Lessons from Clinical Populations and Clinical Trials Co-Chairs: Malin Flodström-Tullberg, PhD and Dirk Homann, MD		Magnolia Ballroom (A-D)
	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>Emerging Biomarkers of Response to Immunotherapies</i> Laura Jacobsen, MD	
5:00 PM – 5:30 PM	Discussion Session: Lessons from Clinical Populations and Clinical Trials Led by: Malin Flodström-Tullberg, PhD and Dirk Homann, MD		Magnolia Ballroom

5:30 PM – 6:00 PM	BREAK	--
6:00 PM – 8:00 PM	Poster Session hors d'oeuvres provided	Magnolia Ballroom (E-G)
8:00 PM	DINNER (on your own)	--

Wednesday, March 1st, 2023 (Half day)		
Time	Function	Location
7:00 AM – 9:00 AM	BREAKFAST & CHECKOUT Hotel checkout is 11 AM If checking out today, please bring luggage to the registration table for the remainder of the meeting. Note: Breakfast will only be served from 7:00 AM – 8:30 AM	Magnolia Foyer
7:30 AM – 8:30 AM	SPECIAL BREAKFAST MEETING What Brings You Joy? How to Choose a Career Path in T1D Women in Diabetes Research (WIELD) Roundtable Q&A with Jessica Dunne, PhD; Amelia Linnemann, PhD; Sarah Richardson, PhD; Maggie Morris, PhD; Brittany Bruggeman, MD, and Teresa Rodriguez-Calvo, DVM PhD,  Target Audience: <u>All</u> Early Career Investigators and Trainees *Pre-registration is preferred but not required	Conference Room 2 and 3
9:00 AM – 9:45 AM	Oral Abstracts III: Immune Mechanisms of Type 1 Diabetes Pathogenesis Jessica Dunne, PhD and Maryaline Coffre, PhD	Magnolia Ballroom (A-D)

	9:00 AM – 9:15 AM	<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> Matthew Johnson, PhD	
	9:15 AM – 9:30 AM	<i>Novel Highly Multiplexed Platform Unravels a Potential Role for S100 Proteins in Type 1 Diabetes</i> Estefania Quesada-Masachs, MD PhD	
	9:30 AM – 9:45 AM	<i>Characterization of Pancreatic T Cell Populations Reveals Type 1 Diabetes-Associated TCR Sequences and Public TCRs Directed to Viral Antigens</i> Maki Nakayama, MD PhD	
9:45 AM – 10:00 AM	BREAK		--
10:00 AM – 11:15 AM	Cutting Edge Seminar VII: Novel Imaging Techniques Co-Chairs: Jason Gaglia, MD and John Kaddis, PhD		Magnolia Ballroom (A-D)
	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 VII: Novel Imaging Techniques Led by: Jason Gaglia, MD and John Kaddis, PhD		Magnolia Ballroom (A-D)
11:45 AM – 12:00 AM	Ending of Meeting Remarks: Mark Atkinson, PhD, Carmella Evans-Molina, MD PhD, and Alberto Pugliese, MD		Magnolia Ballroom (A-D)
END OF MEETING			

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