


Monday, February 19th, 2024

Time	Function	Location	
10:00 AM – 5:30 PM	REGISTRATION	Lobby	
12:00 PM – 1:30 PM	LUNCH	Vista del Mar	
1:30 PM – 1:45 PM	Opening Remarks - A Different Kind of Type 1 Diabetes Meeting Alberto Pugliese, MD Carmella Evans-Molina, MD PhD Mark Atkinson, PhD	Lagunita Pavilion	
1:45 PM – 3:00 PM	Cutting Edge Seminar I - Key question 1: Differences in T1D between Children and Adults Co-chairs: Sarah Richardson, Todd Brusko	Lagunita Pavilion	
	1:45 PM – 2:10 PM		<i>Characteristics of T1D in Children and Adults</i> Kathleen Gillespie, PhD
	2:10 PM – 2:35 PM		<i>Age and Genetic Correlates with Type 1 Diabetes</i> Nicholas Thomas, MD
	2:35 PM – 3:00 PM		<i>Considering age in immune correlates of response</i> Alice Long, PhD
3:00 PM – 3:45 PM	Discussion Session I - Key question 1: Differences in T1D between Children and Adults Co-chairs: Sarah Richardson, Todd Brusko	Lagunita Pavilion	

3:45 PM – 4:15 PM	BREAK	--	
4:15 PM – 5:30 PM	Cutting Edge Seminar II - Key Question 2: Prohormone or Post Translational Antigenic Processing Defects in the T1D Pancreas Co-chairs: Teresa Rodriguez-Calvo, Emily Sims		Lagunita Pavilion
	4:15 PM – 4:40 PM	<i>Proinsulin: sometimes things go wrong</i> Peter Arvan, MD PhD	
	4:40 PM – 5:05 PM	<i>DNA methylation-based assessment of cell composition in human pancreas and islets</i> Zeina Drawshy	
	5:05 PM – 5:30 PM	<i>Insulin neopeptides induced by oxidative posttranslational modifications in type 1 diabetes</i> Rocky Strollo, MD PhD	
5:30 PM – 6:15 PM	Discussion Session II: Key Question 2: Prohormone or Post Translational Antigenic Processing Defects in the T1D Pancreas Co-chairs: Teresa Rodriguez-Calvo, Emily Sims		Lagunita Pavilion
6:15 PM – 6:30 PM	BREAK	--	
6:30 PM – 7:15 PM	George Eisenbarth Memorial Lecture Jay Skyler, MD Interdicting Type 1 Diabetes – A 40 Year Perspective		Lagunita Pavilion
7:15 PM – 8:15 PM	RECEPTION (light hors d'oeuvres provided)		Esplanade
8:15 PM	DINNER (on your own)		--

Tuesday, February 20th, 2024

Time	Function	Location	
7:30 AM – 4:30 PM	REGISTRATION	Lobby	
7:00 AM – 8:30 AM	BREAKFAST	Vista del Mar	
7:30 AM – 8:30 AM	<p style="text-align: center;">SPECIAL BREAKFAST MEETING</p> <p style="text-align: center;">Mark Huising, PhD – The downsides of academic excellence: the environmental impact of the academic enterprise and who is responsible for eliminating it?</p> 	Luna Solstice	
8:30 AM – 9:15 AM	<p style="text-align: center;">Keynote Speaker: John Williams, PhD</p> <p style="text-align: center;">Atoms Up – Targets to Treatments</p>	Lagunita Pavilion	
9:15 AM – 10:30 AM	<p style="text-align: center;">Cutting Edge Seminar III- Key Question 3:</p> <p style="text-align: center;">The Role of the Exocrine Pancreas in T1D Development</p> <p style="text-align: center;">Co-Chairs: Martha Campbell-Thompson, Teresa Mastracci</p>		Lagunita Pavilion
	9:15 AM – 9:40 AM	<p style="text-align: center;"><i>Genomic changes in the exocrine pancreas in T1D at-risk individuals</i></p> <p style="text-align: center;">Kyle Gaulton, PhD</p>	
	9:40 AM – 10:05 AM	<p style="text-align: center;"><i>Exocrine Pancreas Development: Any Alterations in T1D?</i></p> <p style="text-align: center;">Jordan Wright, MD, PhD</p>	
	10:05 AM – 10:30 AM	<p style="text-align: center;"><i>In Situ Assessment of Exocrine Cell Function in Health and Disease</i></p> <p style="text-align: center;">Stephan Speier, PhD</p>	
10:30 AM – 11:15 AM	<p style="text-align: center;">Discussion III - Key Question 3:</p> <p style="text-align: center;">The Role of the Exocrine Pancreas in T1D Development</p> <p style="text-align: center;">Co-Chairs: Martha Campbell-Thomson, Teresa Mastracci</p>		Lagunita Pavilion

11:15 AM – 11:45 AM	BREAK		--
11:45 AM – 12:25 PM	Oral Abstracts I: Clinical Studies Co-Chairs: Esther Latres and Josh Vieth		Lagunita Pavilion
	11:45 AM – 11:55 AM	<i>Single Cell Profile of Islet-specific Responses in Type 1 Diabetes</i> Tim Tree, PhD	
	11:55 AM - 12:05 PM	<i>Human Leukocyte Antigen Risk Loci for Type 1 Diabetes Associate with T Cell Receptor Motif in Peripheral Blood and Pancreatic Lymph Nodes</i> Melanie Shapiro, PhD	
	12:05 PM – 12:15 PM	<i>Targeting the glucose transporter GLUT1 to control T cell activation</i> Carla Di Dedda	
	12:15 PM - 12:25 PM	<i>Circulating miR-150-5p, a B-lymphocyte associated miRNA, is increased selectively in plasma of young children (<7y) with recent onset type 1 diabetes</i> Guido Sebastiani, PhD	
12:25 PM – 1:15 PM	LUNCH		Vista del Mar
1:15 PM – 2:55 PM	Cutting Edge Seminar IV - Key Question 4: <i>In Vivo and In Vitro</i> Translational Studies to Advance Therapies for T1D Co-Chairs: Juan Dominguez-Bendala, Alberto Pugliese		Lagunita Pavilion
	1:15 PM – 1:40 PM	<i>Pancreas Slice Live Tissue platforms Overview, Pros and Cons</i> <i>Ongoing & Potential Applications I</i> Julia Panzer, PhD	
	1:40 PM – 2:05 PM	<i>Ongoing & Potential Applications II</i> Ed Phelps, PhD	

	2:05 PM – 2:30 PM	<i>Artificial Organ Platforms for T1D</i> Juan R Alvarez, PhD	
	2:30 PM – 2:55 PM	<i>Advanced Humanized Mice Platforms for Modeling T1D and Response to Therapy</i> Audrey Parent, PhD	
2:55 PM – 3:40 PM	<p align="center">Discussion IV - Key Question 4: <i>In Vivo and In Vitro</i> Translational Studies to Advance Therapies for T1D</p> <p align="center">Co-Chairs: Juan Dominguez-Bendala, Alberto Pugliese</p>		Lagunita Pavilion
3:40 PM – 4:00 PM	BREAK		--
4:00 PM – 4:50 PM	<p>Oral Abstracts II: Novel Concepts for Therapeutics Co-Chairs: Maryaline Coffre, Erica Cai</p>		Lagunita Pavilion
	4:00 PM – 4:10 PM	<p align="center"><i>Development of a Beta-cell targeted Immune modulating PD-1 Bispecific Agonist to suppress immune cells and treat Type 1 Diabetes</i></p> <p align="center">Giovanni Bossi, PhD</p>	
	4:10 PM – 4:20 PM	<p align="center"><i>Targeting of the lysine deacetylase, HDAC6, in pancreatic beta-cells as a potential means to slow the progression of type 1 diabetes</i></p> <p align="center">Noel Morgan, PhD</p>	
	4:20 PM – 4:30 PM	<p align="center"><i>Combinatorial genetic engineering strategy for antigen specific immune protection of stem cell-derived beta cells</i></p> <p align="center">Jessie Barra, PhD</p>	
	4:30 PM – 4:40 PM	<p align="center"><i>Unveiling Novel T-cell Receptors (TCRs) for Enhanced Treg Cell Therapy in Type 1 Diabetes (T1D)</i></p> <p align="center">Geetha Mylvaganam, PhD</p>	

	4:40 PM – 4:50 PM	<i>Upregulation of PDL-1 on endogenous pancreatic islet β cells by saRNA-Aptamer chimera</i> Victoria Kuznetsova	
4:50 PM – 5:20 PM	Questions Asked and Lessons Learned from HIRN HPAP T1D Klaus Kaestner, PhD Co-Chairs: Maryaline Coffre, Erica Cai		Lagunita Pavilion
5:20 PM – 7:00 PM	FREE TIME / NETWORKING INCLUDES ANNUAL MEETING PHOTO DURING CALIFORNIA SUNSET (Sunset predicted at 5:41 PM - please meet at 5:30 PM) Organized by Alberto Pugliese, MD		--
7:00 PM – 10:00 PM	DINNER, AWARDS CEREMONY & nPOD HAS TALENT		Vista del Mar

Wednesday, February 21st, 2024

Time	Function	Location
7:00 AM – 8:30 AM	BREAKFAST	Vista del Mar
7:30 AM – 8:30 AM	SPECIAL BREAKFAST MEETING: Overcoming Barriers to Leadership Development Led by: Jessica Dunne, PhD, Amelia Linnemann, PhD, Georgia Foustari, PhD, Raghu Mirmira, MD PhD, & Hubert Tse, PhD	Luna Solstice
8:30 AM – 10:10 AM	Cutting Edge Seminar V - Key Question 5: β- and Islet-Cell Specific Targets Co-Chairs: Roberto Mallone, Qizhi Tang	Lagunita Pavilion



	8:30 AM – 8:55 AM	<i>Many Antigen Targets, Which Ones Matter?</i> Roberto Mallone, MD PhD	
	8:55 AM – 9:20 AM	<i>Antigen Specific Cell Therapies</i> Qizhi Tang, PhD	
	9:20 AM – 9:45 AM	<i>Autoantigens and Neoantigens: Current Status and Relevance to Prediction and Prevention</i> Aaron Michels, MD	
	9:45 AM – 10:10 AM	<i>It's up in the AIRR - the adaptive immune T cell receptor repertoire in T1D</i> Todd Brusko, PhD	
10:10 AM – 10:55 AM	Discussion V - Key Question 5: β- and Islet-Cell Specific Targets Co-Chairs: Roberto Mallone, Qizhi Tang		Lagunita Pavilion
10:55 AM – 11:25 AM	BREAK		--
11:25 AM – 12:55 PM	Shark Tank III (now, with a few Piranhas) When does type 1 diabetes actually begin and do we need a modification to the current staging model? Sharks: Emily Sims, MD, Matthias von Herrath, MD, David Leslie, MD		Lagunita Pavilion
	11:25 AM – 11:40 AM	Piranha: Laura Jacobsen, MD	
	11:40 AM – 11:55 AM	Piranha: Jessica Dunne, PhD	
	11:55 AM – 12:10 PM	Piranha: David Harlan, MD	
	12:10 PM – 12:25 PM	Piranha: Alberto Pugliese, MD	
	12:25 PM – 12:55 PM	<i>Audience Response</i>	

12:55 PM – 2:00 PM	LUNCH		Vista del Mar
2:00 PM – 2:30 PM	Hot Topic: Progress in Understanding Beta Cell Functional Heterogeneity (CD63 et al) Mark Huising, PhD		Lagunita Pavilion
2:30 PM – 3:45 PM	Cutting Edge Seminar VI - Key Question 6: How Can nPOD Studies Better Guide Clinical Trials Seeking to Understand Disease and Racial Diversity? Co-Chairs: Maria Redondo, Richard Oram		Lagunita Pavilion
	2:30 PM – 2:55 PM	<i>Diversity and Equity in T1D Clinical Trials</i> Susanne Cabrera, MD	
	2:55 PM – 3:20 PM	<i>T1D and T2D in diverse pediatric populations: Lessons from the DISCOVER study</i> Maria Redondo, MD, PhD, MPH	
	3:20 PM – 3:45 PM	<i>T1D Racial Diversity: Lessons from the TEDDY Study</i> Kendra Vehik, PhD	
3:45 PM – 4:30 PM	Discussion Session VI - Key Question 6: How Can nPOD Studies Better Guide Clinical Trials Seeking to Understand Disease and Racial Diversity? Co-Chairs: Maria Redondo, Richard Oram		Lagunita Pavilion
4:30 PM – 6:00 PM	BREAK		--
6:00 PM – 8:00 PM	Poster Session hors d'oeuvres provided		Salon de Reyes Ballroom
8:00 PM	DINNER (on your own)		Vista del Mar

Thursday, February 22nd, 2024 (Half day)

Time	Function	Location
7:00 AM – 8:30 AM	BREAKFAST & CHECKOUT Hotel checkout is 11 AM If checking out today, please bring luggage to the back of the meeting room for the remainder of the meeting. Note: Breakfast will only be served from 7:00 AM – 9:00 AM	Vista del Mar
8:30 AM – 9:20 AM	Oral Abstracts III: Pathogenic Mechanisms Co-Chairs: Olivier Blondel, Mark Mamula	Lagunita Pavilion
	8:30 AM – 8:40 AM <i>Islet expression of classical and non-classical HLA-I in Type 1 diabetes - signs of a struggle?</i> Christiana Lekka	
	8:40 AM – 8:50 AM <i>Extracellular Vesicle PD-L1: From Cellular Dynamics to Clinical Implications in Type 1 Diabetes</i> Chaitra Rao, PhD	
	8:50 AM – 9:00 AM <i>Spatial transcriptomic profiling and cell type identification of human donor paired pancreas and pancreatic lymph nodes reveals shared and unique tissue specific immune responses at distinct stages of T1D</i> Miguel Medina-Serpas	
	9:00 AM – 9:10 AM <i>Cycling Alpha Cells in Human Pancreatic Islets As a Potential Key Reservoir for Beta Cell Loss</i> Esra Karakose, PhD	
9:10 AM – 9:20 AM <i>Modeling heterogenous islet inflammation</i> Yuval Dor, PhD		
9:20 AM – 10:00 AM	BREAK / CHECK OUT	--

10:00 AM – 10:30 AM	<p align="center">AI in Type 1 Diabetes Vibha Anand, PhD</p>	Lagunita Pavilion
10:30 AM – 11:00 AM	<p align="center">What Questions were not asked that should have been asked? Co-Chairs Mark Atkinson, PhD Alberto Pugliese, MD Carmella Evans-Molina, MD PhD</p>	Lagunita Pavilion
11:00 AM – 11:15 AM	<p align="center">Ending of Meeting Remarks</p>	Lagunita Pavilion
END OF MEETING		

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