

**New Genetic and Metabolic Insights into Animal Models of Diabetes, Bar Harbor, Maine, June 17-21.**

**MEETING AT A GLANCE**

<b>Wednesday June 18th</b>				
Ed	Leiter	Greetings	Ballroom	8:30 AM Welcoming Remarks
John	Mordes	Plenary	Ballroom	8:35 AM Autoimmune Diabetes in the Rat
Helle	Markholst	Track 1	Walsh House	9:20 AM The lam4L1 Gene: The Lymphopenia Gene of the BB Rat
Tsukasa	Hirashima	Track 2	Ballroom	9:20 AM II diabetes: Establishment, Characteristics and Pathogenesis
Norihide	Yokoi	Track 1	Walsh House	9:45 AM The KDP rat: identification of the Cblb mutation and establishment of a segregating inbred strain
Bernard	Portha	Track 2	Ballroom	9:45 AM New Developments Using the GK rat as a model of Type 2 diabetes
Sigurd	Lenzen	Track 1	Walsh House	10:10 AM Basic characteristics of the LEW.1AR1/Ztm-iddm rat - A new model of spontaneous IDDM
Charles	Burant	Track 2	Ballroom	10:10 AM The microvasculature in the hyperplasia and atrophy of pancreatic islets in the ZDF rat
		Break		10:30 AM refreshments are available in each track location
Michael	Clare-Salzler	Track 1	Walsh House	10:50 AM The biology of macrophages and dendritic cells biology in NOD and human type 2 diabetes
Barbara	Hansen	Track 2	Ballroom	10:50 AM Diabetes and Metabolic Syndrome in Monkeys: Use as research models.
Chantal	Mathieu	Track 1	Walsh House	11:15 AM The NOD mouse: from bench to clinic
Anthony	Comuzzie	Track 2	Ballroom	11:15 AM The baboon as a model for the genetic study of obesity and diabetes
Fraser	Scott	Track 1	Walsh House	11:40 AM Plasticity of islet homeostasis in BB rats: tubular complex formation and extra-islet insulin+, neurogenin-3+ clusters
Domenico	Accili	Track 2	Ballroom	11:40 AM New Models of Type 2 Diabetes
		Lunch		12:00 PM Edenfield Dining Room, one floor above the ballroom
Hiroshi	Ikegami	Plenary	Ballroom	1:15 PM Genetics of Type 1 and Type 2 diabetes in inbred strains derived from the same outbred colony
Christophe	Benoist	Track 1	Walsh House	2:00 PM New technologies for the study of NOD autoimmune etiopathogenesis
Sarah	Zangen	Track 2	Ballroom	2:00 PM Cohen Diabetic Rat - a genetic model of inducible Type 2 diabetes mellitus
David	Serreze	Track 1	Walsh House	2:25 PM Use of genetically engineered NOD mice to dissect diabetogenic immune dysfunctions
Tetsuro	Izumi	Track 2	Ballroom	2:25 PM Genetic Analysis of obese diabetes in the TSOD mouse
Alexander	Chervonsky	Track 1	Walsh House	2:50 PM Animal models to study autoimmune destruction of the $\beta$ cells
Clayton	Mathews	Track 2	Ballroom	2:50 PM ALS/Lt: A New Mouse Model of Diabetes Susceptibility Associated with Low Free Radical Scavenging Potential
		Break		3:10 PM Track one finished for the day, Track 2 continues
Juergen	Naggert	Track 2	Ballroom	3:30 PM TallyHo Mouse
Susanne	Clee	Track 2	Ballroom	3:55 PM The BTBR-ob mouse model of type 2 diabetes
Hans	Joost	Track 2	Ballroom	4:20 PM Gene-Diet interaction in the development of diabetes in New-Zealand obese mice
		Break		4:30 PM session end

Thursday June 19th				
Richard	Flavell	Plenary	Ballroom	8:35 AM Genetic Manipulation of Immune and Autoimmune Response Modeling human MHC class I diabetes functions through transgenic expression in
Michele	Marron	Track 1	Walsh House	9:20 AM NOD mice
Marc	Reitman	Track 2	Ballroom	9:20 AM The physiology of lipotrophy deduced from the A-ZIP/F-1 mouse
Myra	Lipes	Track 1	Walsh House	9:45 AM HLA-DQ8 transgenic mice as a model for human autoimmune diseases
Yaki	Barak	Track 2	Ballroom	9:45 AM PPAR $\gamma$ , lipodystrophy, and metabolic disease Gene Therapy Applications for Diabetes: Use for Animal Models for Studies of
Mark	Atkinson	Track 1	Walsh House	10:10 AM Prevention, Complications, Transplantation, and Metabolic Monitoring
John-Olov	Jansson	Track 2	Ballroom	10:10 AM Cytokine Knock Out and Obesity
Break				10:30 AM refreshments are available in each track location Characterization of Early Developments in the Islet Transcriptome of Young NOD
Ivan	Gerling	Track 1	Walsh House	10:50 AM Mice. Integral role of COAT/ENHANCER BINDING PROTEIN (CEBP $\beta$ ) in regulation of
J.E.	Friedman	Track 2	Ballroom	10:50 AM energy intake and hepatic function INS-C-TIMER transgenic mice produce insulin with a fluorescent marker that
Suzanne	Bertera	Track 1	Walsh House	11:15 AM changes color over time
Bangyan	Stiles	Track 2	Ballroom	11:05 AM Tissue specific deletions of PTEN result in increased insulin sensitivity in mice
Dom	Deluca	Track 1	Walsh House	11:40 AM Development of an in vitro thymic organ culture system for human type 1 diabetes Mice lacking AKT2/PKB $\beta$ are growth deficient, lipotrophic and develop severe
R.S.	Garofalo	Track 2	Ballroom	11:20 AM diabetes The peroxisome proliferator-activated receptor $\alpha$ 2 isoform control adipogenesis in
Terrie	Cock	Track 2	Ballroom	11:45 AM vivo
Lunch				12:00 PM Edenfield Dining Room, one floor above the ballroom
Leonard	Shultz	Plenary	Ballroom	1:15 PM Humanized Mouse Models for Transplant Research
William	Ridgeway	Track 1	Walsh House	2:00 PM Genetic control of NOD (nonobese diabetic) CD4+ autoreactive T cell function The GOTO-Kakizaki Rat, a non-obese genetic model of mild type 2 diabetes: how
Carina	Ammala	Track 2	Ballroom	2:00 PM mild is mild? Genetic disassociation of autoimmunity and resistance to costimulation blockage
Dale	Grenier	Track 1	Walsh House	2:25 PM induced transplantation tolerance in NOD mice Genetics of the development of nutritionally induced hyperglycemia in diabetes:
Ehud	Ziv	Track 2	Ballroom	2:15 PM type 2 model
Desiree	Schuman	Track 1	Walsh House	2:50 PM The Fas pathway is involved in insulin synthesis and is a target of glucotoxicity Liver-specific reactivation of the inactivated hepatocyte nuclear factor 1 $\alpha$ 2
Ying-Hue	Lee	Track 2	Ballroom	2:30 PM gene: a better mouse MODY3 model 3:00 and
Breaks				3:10 PM refreshments are available in each track location RIP-mCD80 transgenic mouse studies as a T1DM model, and the non-human
David	Harlan	Track 1	Walsh House	3:30 PM primate model for islet cell transplantation
Christopher	Newgard	Track 2	Ballroom	3:30 PM Genetic Engineering to Define New Diabetes Therapies Unique features of Akita diabetic mouse with special emphasis on the
Akio	Koizumi	Track 1	Walsh House	3:55 PM pathogenesis of diabetes and its renal complications Psammomy obesus - Pathophysiology of nutritionally induced insulin resistance
Eleazar	Shafir	Track 2	Ballroom	3:55 PM progressing to type 2 diabetes...
Marianne	Larsen	Track 1	Walsh House	4:20 PM The Gottingen minipig in diabetes research
John	Leahy	Track 2	Ballroom	4:20 PM $\beta$ -cell compensation and failure in partial pancreatectomy rat
5:00 PM Bus leaves Walsh House Parking Lot for Tour of The Jackson Laboratory				

Friday June 20th				
Linda	Wicker	Track 1	Walsh House	8:35 AM Immunogenetics of the NOD mouse model
Masami	Shinohara	Track 2	Ballroom	8:35 AM The SDT Rat: A New Animal Model of Type 2 Diabetes with Diabetic Retinopathy
Nora	Sarvetnick	Track 1	Walsh House	9:00 AM Regulation of Autoimmunity
Jayne	Danska	Track 1	Walsh House	9:25 AM Genetic Regulation of Type 1 diabetes in NOD and congenic strains
Timothy	Kern	Track 2	Ballroom	9:25 AM Diabetic retinopathy in rodents: new studies, new models
Elizabeth	Blankenhorn	Track 1	Walsh House	9:50 AM New Genetic Loci for viral-induced T1DM in the rat
Anders	Sima	Track 2	Ballroom	9:50 AM Neuropathy and encephalopathy in type 1 BB/Wor and type 2 BB/Z-rats
		Break		10:10 AM refreshments are available in each track location
Toru	Miyazaki	Track 1	Walsh House	10:30 AM Targeted Disruption of AIM in NOD-derived ES cells The NIH Animal Models of Diabetes Complications Consortium: mouse models of
Matthew	Breyer	Track 2	Ballroom	10:30 AM diabetic nephropathy
Dennis	Guberski	Track 1	Walsh House	10:55 AM Diabetic rats: Research, Resources and Characteristics
Streamson	Chua	Track 2	Ballroom	10:55 AM A novel diabetes congenic strain with diabetic nephropathy
Jennifer	Lowry	Track 1	Walsh House	11:20 AM The Type 1 Diabetes Repository at The Jackson Laboratory Gene Therapy for Neuropathy: Neurotrophin gene transfer using herpes vira
David	Fink	Track 2	Ballroom	11:20 AM vectors in diabetic neuropathy
Linda	Wicker	Track 1	Walsh House	11:45 AM NIH/Sanger Sequencing Project: Goals & Timetables
Kristin	Abraham	Track 2	Ballroom	11:45 AM NIDDK Mouse Metabolic Phenotyping Centers
		Lunch		12:05 PM Edenfield Dining Room, one floor above the ballroom Unraveling Insulin Action and the Pathogenesis of Diabetes Through the Use of
C. Ronald	Kahn	Plenary	Ballroom	1:20 PM Knockout Mice
			Walsh House	1:45 PM Poster Presenters place posters on boards, pins provided
	Poster	Session	Walsh House	2:00 PM
		Cocktail		
		Party	Walsh House	4:00 PM
		Banquet		
		Dinner	Ballroom	6:00 PM
		Banquet		
Douglas	Coleman	Speaker	Ballroom	7:00 PM banquet speaker