

Program
8th Helmholtz Diabetes Conference

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Date: May 10-12, 2021

Online - Munich, Germany

Monday, May 10th

- 11:00-11:15** ***Welcome and Opening Remarks***
Stephan Herzig, Martin Hrabě de Angelis and Robert Schneider
Helmholtz Zentrum München
- 11:15-11:40** ***Opening Keynote Lecture***
Chair: Stephan Herzig

Eleftheria Zeggini, Helmholtz Center Munich
Next generation association studies of cardiometabolic traits
- 11:40-12:55** ***Session 1: Neuronal control of metabolism (1)***
Chairs: *Timo Müller, Natalia Pellegata*
- 11:40-12:05 **Jens Brüning**, MPI for Metabolism Research
TBD
- 12:05-12:30 **Sadaf Farooqi**, University of Oxford
The hunger genes – lessons from obesity and thinness
- 12:30-12:55 **Randy Seeley**, University of Michigan
Progress and pitfalls in identifying the molecular mechanisms for the potent effects of bariatric surgery
- 12:55-13:55** Lunch break
- 13:55-15:05** ***Session 2: Adipose tissue***
Chairs: *Siegfried Ussar, Anja Zeigerer*
- 13:55-14:20 **Philipp Scherer**, University of Texas Southwestern
TBD
- 14:20-14:45 **Andreas Stahl**, University of California Berkeley
TBD
- 14:45-14:55 Qiong (Annabel) Wang, City of Hope National Medical Center
Adipose Tissue Remodeling and Cellular Heterogeneity
- 14:55-15:05 Jang Cholsoon, University of California Irvine
The landscape of temperature-dependent glucose usage by brown fat in vivo
- 15:05-15:35** Break
- 15:35-16:30** ***Session 3: Epigenetics and pharmacogenomics***
Chairs: *Annette Peters, TBD*
- 15:35-16:00 **Andrew Pospisilik**, Van Andel Institute
TBD

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- 16:00-16:10 Katrin Fischer, Sanofi
Transcriptional effects of recurrent hypoglycemia in Streptozotocin-induced T1D mice
- 16:10-16:20 Qi Chen, University of California
"Sperm RNA code": how many secrets in programming offspring metabolic health
- 16:20-16:30 Kyle Gaulton, University of California San Diego
Interpreting diabetes genetics using single cell epigenomics

Tuesday, May 11th

- 11:00-11:45** ***Session 4: Genetics of type 1 diabetes***
Chairs: Anette Ziegler, Mostafa Bakhti
- 11:00-11:25 **John A. Todd**, University of Oxford
TBD
- 11:25-11:35 Elisa De Franco, University of Exeter
Using gene discovery to understand human pancreatic development
- 11:35-11:45 Irina Stefana, University of Oxford
Cytoplasmic versus nuclear hyperphosphorylated Tau in ageing and diabetes
- 11:45-12:45** Lunch break
- 12:45-13:25** ***Session 5: Cell Metabolism, Diabetes and Cancer***
Chairs: Mauricio Berriel-Diaz, Fabiana Perocchi
- 12:45-13:05 **Kathryn Wellen**, University of Pennsylvania
TBD
- 13:05-13:15 Edward T. Chouchani, Harvard Medical School
The homeostatic succinate circuit: a systemic sensor for energetic adaptation
- 13:15-13:25 Maria Rohm, Helmholtz Zentrum München
TBD
- 13:25-14:00** Break
- 14:00-14:45** ***Session 6: Neuronal control of metabolism (2)***
Chairs: Cristina García-Cáceres, Natalie Kraemer
- 14:00-14:25 **Jeffrey Friedman**, Rockefeller University
TBD
- 14:25-14:35 Lisa Beutler, Northwestern University
Long-lasting modulation of gut-brain communication underlying obesity
- 14:35-14:45 Sophie Steculorum, MPI for Metabolism Research
Programming sensory regulation of metabolism
- 14:45-15:15** Break
- 15:15-16:00** ***Session 7: Lipid homeostasis and insulin secretion***
Chairs: Henrik Semb, Jantje Gerdes

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- 15:15-15:40 **Hei Suk Sul**, University of California Berkeley
TBD
- 15:40-15:40 Katrin Svensson, Stanford University
Hormone discovery: control of glucose and lipid homeostasis through insulin-independent pathways
- 15:50-16:00 Bengt-Frederik Belgardt, German Diabetes Center
The role of sphingolipids in insulin secretion and diabetic beta cell dysfunction
- 16:00-16:30** Break
- 16:30-17:30** Flash Talk Presentations sponsored by ***Molecular Metabolism***

Wednesday, May 12th

- 12:00-13:15** ***Session 8: Genetics of Diabetes***
Chairs: *Alberto Cebrian Serrano, Martin Hrabě de Angelis*
- 12:00-12:25 **Sir Stephen O’Rahilly**, University of Cambridge
How does the brain sense the health and nutritional state of the body; some new insights
- 12:25-12:50 **Mitch Lazar**, University of Pennsylvania
TBD
- 12:50-13:15 **Andrew Hattersley**, University of Exeter Medical School
TBD
- 13:15-13:45** Break
- 13:45-15:00** ***Session 9: Epigenetics of Diabetes***
Chairs: *Robert Schneider, Daphne Cabianna*
- 13:45-14:10 **Romain Barrès**, University of Copenhagen
TBD
- 14:10-14:35 **Sarah Kimmins**, McGill University
TBD
- 14:35-15:00 **Oliver Rando**, University of Massachusetts Medical School
TBD
- 15:00-15:30** Break
- 15:30-16:45** ***Session 10: Hormone action***
Chairs: *Kenneth Dyar, Henriette Uhlénhaut*
- 15:30-15:55 **Ronald Evans**, Salk Institute
TBD
- 15:55-16:20 **C. Ronald Kahn**, Harvard Medical School
Defining the cellular and molecular basis of insulin resistance in human type 2 diabetes using a disease-in-a-dish model

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16:20-16:45	Dan Drucker , University of Toronto <i>TBD</i>
16:45-17:15	Break
17:15-17:45	The Helmholtz Diabetes Lecture Chair: <i>Heiko Lickert</i>
	Susan Bonner-Weir , Harvard University <i>TBD</i>
17:45-17:50	HelDi Award Presentation
17:50-17:55	Helmholtz Best Abstract Prize Presentation
17:55-18:00	Closing Remarks
18:00	End of Conference

2021 Confirmed speakers Romain Barrès, University of Copenhagen, Susan Bonner-Weir, Harvard University, Jens Brüning, MPI for Metabolism Research, Dan Drucker, University of Toronto, Ronald Evans, Salk Institute, Sadaf Farooqi, University of Oxford, Jeffrey Friedman, Rockefeller University, Andrew Hattersley, University of Exeter Medical School, C. Ronald Kahn, Harvard Medical School, Sarah Kimmins, McGill University, Mitch Lazar, University of Pennsylvania, Sir Stephen O’Rahilly, University of Cambridge, Andrew Pospisilik, Van Andel Institute, Oliver Rando, University of Massachusetts Medical School, Philipp Scherer, University of Texas Southwestern, Randy Seeley, University of Michigan, Andreas Stahl, University of California Berkeley, Hei Suk Sul, University of California Berkeley, John A. Todd, University of Oxford, Kathryn Wellen, University of Pennsylvania, Eleftheria Zeggini, Helmholtz Center Munich.

2021 HelDI Award Nominees Bengt-Frederik Belgardt, German Diabetes Center, Lisa Beutler, Northwestern University, Qi Chen, University of California, Edward T. Chouchani, Harvard Medical School, Jang Cholsoon, University of California Irvine, Elisa De Franco, University of Exeter, Katrin Fischer, Sanofi, Kyle Gaulton, University of California San Diego, Maria Rohm, Helmholtz Zentrum München, Sophie Steculorum, MPI for Metabolism Research, Irina Stefana, University of Oxford, Katrin Svensson, Stanford University, Qiong (Annabel) Wang, City of Hope National Medical Center