

#EISG2026



ISLET STUDY GROUP

CONFERENCE 2026

BARCELONA
JUNE 17-19, 2026



Local Chairs:

Dr. Meritxell Rovira

Group Leader, Bellvitge Biomedical Research Institute, L'Hospitalet de Llobregat
Associate professor, Faculty of Medicine, Universitat de Barcelona

Dr. Lorenzo Pasquali

Professor and Group Leader, Universitat Pompeu Fabra, Barcelona

Venue:

Barcelona Biomedical Research Park (PRBB)
Carrer del Doctor Aiguader, 88, Barcelona

Organized by:





WEDNESDAY, JUNE 17

11:00 - 11:50

REGISTRATION

11:50 - 12:00

OPENING & WELCOME REMARKS

12:00 - 14:00

SESSION 1 | GENOMICS AND EPIGENOMICS OF ISLET CELLS

12:00 - 12:30

Islet regulatory variation and type 2 diabetes

Jorge Ferrer, Centre for Genomic Regulation, CIBERDEM, Barcelona, Spain

12:30 - 13:00

Talk

Kyle Gaulton, Institute for Genomic Medicine, UC San Diego, California, USA

13:00 - 13:30

Regulation of insulin secretion by islet microexons

Manuel Irimia, Centre for Genomic Regulation. Universitat Pompeu Fabra, Barcelona, Spain

13:30 - 13:45

Contributed Talk

13:45 - 14:00

Contributed Talk

14:00 - 15:00

LUNCH BREAK

15:00 - 17:00

SESSION 2 | METABOLISM IN ISLET CELLS

15:00 - 15:30

High and low insulin production states of primary and stem cell-derived human beta cells

James Johnson, Cellular and Physiological Sciences, The University of British Columbia, Vancouver, Canada

15:30 - 16:00

Beta-cell adaptive mechanisms in response to calorie restriction: a matter of when and how

Rafael Arrojo e Drigo, Vanderbilt University, Nashville, Tennessee, USA

16:00 - 16:30

The metabolic determinants of basal insulin secretion

Marc Liesa, Institute of Molecular Biology of Barcelona, Spain



16:30 - 16:45	Contributed Talk
16:45 - 17:00	Contributed Talk
17:00 - 17:20	COFFEE BREAK
17:20 - 18:20	POSTER SESSION 1
18:20 - 19:20	POSTER SESSION 2

THURSDAY, JUNE 18

08:30 - 09:15	KEYNOTE LECTURE A 30-year journey in the transcriptional regulation of Islet cell formation Gerard Gradwohl , Institut de Genetique et Biologie Moleculaire et Cellulaire, Illkirch, France
09:15 - 11:15	SESSION 3 THE ISLET CELL IN TYPE-2 DIABETES AND TREATMENT STRATEGIES
09:15 - 09:45	Context-specific contributions of human islet regulatory variants and altered cell states to type 2 diabetes Michael Stitzel , The Jackson Laboratory for Genomic Medicine Farmington, Connecticut, USA
09:45 - 10:15	Regulation of β-Cell Insulin Secretion: From MicroRNAs to Mitochondria Aida Martínez-Sánchez , Imperial College London, Department of Metabolism, Digestion and Reproduction, London, UK
10:15 - 10:45	Talk TBD
10:45 - 11:00	Contributed Talk
11:00 - 11:15	Contributed Talk



11:15 - 11:45

COFFEE BREAK ☕

11:45 - 13:45

SESSION 4 | THE ISLET CELL IN TYPE-1 DIABETES AND TREATMENT STRATEGIES

11:45 - 12:15

Targeting the early and late signal transduction of interferons to protect beta cells in type 1 diabetes

Decio L Eizirik, Université Libre de Bruxelles, Center for Diabetes Research
Brussels, Belgium

12:15 - 12:45

Controlling metabolic regulators enhances stem cell derived human beta cell function

Matthias Hebrok, Institute for Diabetes and Organoid Technology,
Center for Organoid Systems, Technical University of Munich,
Germany

12:45 - 13:15

Single islet analysis and the unfolding of the diabetic battlefield
Nadav Sharon, Technion – Israel Institute of Technology

13:15 - 13:30

Contributed Talk

13:30 - 13:45

Contributed Talk

13:45 - 14:45

LUNCH BREAK

14:45 - 16:15

SESSION 5 | MODELLING HUMAN ISLETS ON A PLATE

14:45 - 15:00

Talk

Miriam Cnop, Université Libre de Bruxelles, Center for Diabetes Research
Brussels, Belgium

15:00 - 15:15

Pancreas organoid models of Diabetes

Anne Grapin-Botton, Max Planck Institute of Molecular Cell Biology and
Genetics, Dresden, Germany



15:15 - 15:30

Modelling pancreatic fate and disease: dissecting regulatory mechanisms in iPSC derived organoids

Rocío Sancho, Centre for Gene Therapy & Regenerative Medicine, King's College London, London, UK

15:30 - 15:45

Contributed Talk

15:45 - 16:00

Contributed Talk

16:00 - 16:10

Short Talk

16:10 - 17:10

POSTER SESSION 3

20:00

CONFERENCE OFFICIAL DINNER

Pre-registration required. Limited spots!

FRIDAY, JUNE 19

08:30 - 09:15

STEVE ASHCROFT MEMORIAL LECTURE

Early milestone and later developments in islet research

Peter R. Flatt, Ulster University, UK

09:15 - 11:15

SESSION 6 | ISLET DYSFUNCTION BEYOND T1D AND T2D

09:15 - 09:45

Talk

Joan Camuñas, University of Gothenburg, Sweden

09:45 - 10:15

Illuminating mechanisms underlying the pro-differentiation effects of select DYRK1A inhibitors in human beta cell regeneration

Andrew F. Stewart, Icahn School of Medicine at Mount Sinai, Diabetes, Obesity and Metabolism Institute, New York, USA

10:15 - 10:45

Beta-cell biology insights from gene discovery studies

Elisa De Franco, University of Exeter Medical School, Institute of Biomedical and Clinical Science, Exeter, UK



10:45 - 11:00

Contributed Talk

11:00 - 11:15

Contributed Talk

11:15 - 11:50

COFFEE BREAK

11:50 - 13:00

ROUND TABLE

13:00 - 14:00

LUNCH BREAK

14:00 - 16:00

SESSION 7 | ENDOCRINE-EXOCRINE CROSSTALK

14:00 - 14:30

Talk

Núria Malats, Spanish National Cancer Research Centre, Genetic & Molecular Epidemiology Group, Madrid, Spain

14:30 - 15:00

The emerging role of pancreatic exocrine profibrotic signalling in the pathogenesis of type 3c diabetes

James A. Shaw, Newcastle University, Translational and Clinical Research Institute, UK

15:00 - 15:30

A single-cell multi-omic atlas of the human pancreas across development, health, and type 2 diabetes

Elisabetta Mereu, Josep Carreras Leukaemia Research Institute, Barcelona, Spain

15:30 - 15:45

Contributed Talk

15:45 - 16:00

Contributed Talk

16:00 - 16:30

CLOSING REMARKS EISG 2026

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