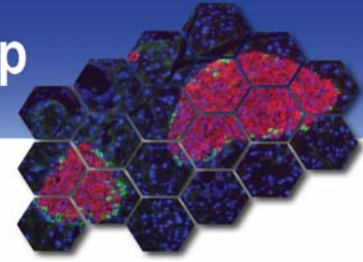


# European Islet Study Group Workshop

## June 13-15, 2022

IGBMC Auditorium + Online - Illkirch, Strasbourg



avec le soutien institutionnel du laboratoire Lilly

Programme as of May 24<sup>th</sup>, 2022

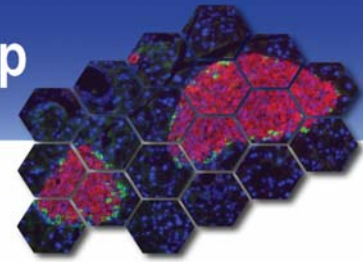
### Day 1 - Monday 13<sup>th</sup> June

- 13.00 Registration  
*Welcome reception & refreshments*  
 Posters set-up
- 14.00-16.00 Session 1 - Beta cell development**  
 Chairs: Heiko Lickert (Helmholtz Zentrum, Institute of Diabetes and Regeneration Research, München)  
 Gérard Gradwohl (IGBMC Strasbourg)
- 14.00-14.30 **Anne Grapin-Botton** (MPI of Molecular Cell Biology and Genetics, Dresden)  
 Tracking Wnt4 function from progenitor proliferation to beta cell maturation and function
- 14.30-15.00 **Pia Nyeng** (DanStem, University of Copenhagen)  
 Pancreatic tube directed beta cell differentiation
- 15.00-15.30 **Diego Balboa** (Centre for Genomics Regulation, Barcelona)  
 Modeling Non-coding Genetic Defects Underlying Diabetes
- 15.30-15.45 **Short talk: Kaiyuan Yang** (Helmholtz Zentrum, Institute of Diabetes and Regeneration Research, München)  
 Single-cell multiomics cross-species comparison of pancreas development
- 15.45-16.00 **Short talk: Katarzyna Blaszczyk** (Adam Mickiewicz University, Stem Cell laboratory, Poznan)  
 SPOCK2 controls the proliferation of human early fetal-like pancreatic  $\beta$ -cell:
- 16.00-18.00 *Coffee break & Poster session*
- 18.30 Shuttle bus from the IGBMC to Parc de l'Étoile bus station (downtown Strasbourg) - Number of seats limited to 55 approx
- 19.45 *Dinner in downtown Strasbourg*  
 at **Brasserie Le Météor**  
 2 entrances possible:  
 -10 Rue du Vingt-Deux Novembre  
 -27 Grand Rue  
 Tel: 0033 (0)3 88 65 66 30  
[website](#)

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### Day 2 - Tuesday 14<sup>th</sup> June

08.25 Shuttle bus from Parc de l'Étoile bus station (downtown Strasbourg) to the IGBMC - Number of seats limited to 55 approx

#### 09.00-11.00 Session 2 - Beta cell function

Chairs: Bernard Thorens (Center for integrative genomics, Lausanne university)

9.00-9.30 **Patrik Rorsman** (Department of Metabolism of Medicine, Oxford)

Only connect? Understanding the hormonal dysregulation in diabetes

9.30-10.00 **Yu Hsuan Carol Yang** (Institute of Biomedical and Clinical Science, University of Exeter)  
Neural regulation of endocrine pancreas physiology

10.00-10.30 *Coffee break & Posters*

10.30-10.45 **Short talk: Aharon Helman** (The Hebrew University of Jerusalem)  
Controlling Beta Cell Functionality via Nutrient-Sensing Mechanisms

10.45-11.00 **Short talk: Edgar Bernardo** (Centre for Genomics Regulation, Barcelona)  
HNF1A regulates an alternative splicing program in pancreatic beta cells

#### 11.00-15.00 Session 3 - The beta cell in great detail

Chairs: Romeo Ricci (IGBMC, Strasbourg)  
Philippe Froguel (EGID Lille, Imperial College London)

11.00-11.30 **Meritxell Rovira** (Department of Physiology Science II, University of Barcelona)  
REST derepression enhances endocrinogenesis & new insights into novel ductal population:

11.30-12.00 **Amélie Bonnefond** (EGID, Lille)  
Identification of new targets modulating insulin secretion through the hunt for rare genetic variant

12.00- 14.00 *Lunch & Posters*

14.00-14.15 **Short talk: Jonàs Juan-Mateu** (Centre for Genomics Regulation, Barcelona)  
Control of pancreatic islet function and glucose homeostasis by a novel microexon splicing program

14.15-14.30 **Short talk: Trevor Biden** (Garvan Institute of Medical Research, Sydney)  
The transcription factor CREB3L2 constitutes a missing link in the response of beta cells to glucose

14.30-15.00 **Charlotte Ling** (Lund University Diabetes Centre, Malmö)  
Epigenetic modifications and islets dysfunction

15.00-16.00 *Coffee break & Poster removal*

#### 16.00-18.00 Session 4 - Beta cell Regeneration

Chairs: Susanne Ullrich (Institute for Diabetes Research and Metabolic Diseases, Helmholtz Center, Munich)  
Karim Bouzakri (Centre Européen d'Étude du Diabète, Strasbourg)

16.00-16.30 **Agnes Klochender** (The Hebrew University of Jerusalem)  
Disruption of RNA editing in pancreatic beta cells reveals metabolic dependency of destructive interferon response

16.30-17.00 **Simona Chera** (Department of Clinical Science, University of Bergen)  
Regeneration, Rhythms and Regulators

17.00-17.15 **Short talk: Dana Avrahami Tzfat** (Hadassah Medical Center and Faculty of Medicine, Hebrew University, Jerusalem)  
Metabolic stress-induced senescence and SASP in beta cells

17.15-17.30 **Short talk: Olov Andersson** (Karolinska Institutet, Solna, Sweden)  
MNK2 deficiency potentiates b-cell regeneration via translational control

17.30-18.00 **Rocio Sancho** (King's College, London)  
Regulation of pancreas cell fate decisions in homeostasis and disease

19.15 *Gala dinner at IGBMC - predinner drinks*

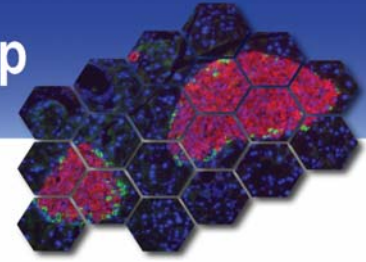
20.00 *Gala dinner*

01.00 Shuttle bus from the IGBMC to Parc de l'Étoile bus station (downtown Strasbourg) - Number of seats limited to 55 approx

# European Islet Study Group Workshop

## June 13-15, 2022

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### Day 3 - Wednesday 15<sup>th</sup> June

08.25 Shuttle bus from Parc de l'Étoile bus station (downtown Strasbourg) to the IGBMC - Number of seats limited to 55 approx

#### 09.00-11.30 Session 5 - From islet to diabetes and vice versa

Chairs: Timo Otonkoski (University of Helsinki)  
 Raphaël Scharfmann (Institut Cochin, Paris)

9.00-9.30 **Bernard Thorens** (Center for integrative genomics, Lausanne university)  
 Genetic identification of hypothalamic mechanisms controlling glucagon secretion

9.30-10.00 **Noel Morgan** (University of Exeter)  
 The beta cell and the immune system in dialogue in type 1 diabetes; a pro- vs anti-inflammatory conversatio

10.00-10.30 *Coffee break*

10.30-10.45 **Short talk: Väinö Lithovius** (University of Helsinki)  
 Quantification of transplanted human stem cell derived islet mass and function with positron emission tomograph

10.45-11.00 **Short talk: Joan Camunas Soler** (University of Gothenburg / Stanford University, Palo Alto)  
 Heterogenous impairment of  $\alpha$  cell function in type 2 diabetes is linked to cell maturation statu

11.00-11.30 **Helena Edlund** (AMPK clinical trial, Umea University)  
 Preservation of beta-cell function in diabetic animal models- a treatment opportunity

11.30-11.50 Meeting close

12.00 *Lunch-box to take away*  
 Departure