

First RegenBell symposium on Stem Cells and Regenerative Medicine

by IDIBELL Regenerative Medicine Program (RegenBell)

27-28 November 2023

Institut d'Estudis Catalans
c/ del Carme, 47, 08001
Barcelona

MONDAY, NOVEMBER 27

- 9:00** **Registration**
- 9:30** **Welcome: Àngel Raya, ICREA/IDIBELL & P-CMR[C], L'Hospitalet de Llobregat**
- 9:40** **SESSION I: Mechanisms of developmental hematopoiesis**
Chair: Alessandra Giorgetti, IDIBELL, P-CMR[C] and UB, L'Hospitalet de Llobregat
- 9:45 *The role of GATA2 in normal and malignant hematopoiesis - What can we learn from Zebrafish?*
Emma de Pater, Erasmus Medical Center, Rotterdam
- 10:15 *Specification of Hematopoietic Stem cells: from embryo development to embryonic stem cells*
Anna Bigas, IMIM/IJC, Barcelona
- 10:45 Selected talks from abstracts: Damià Romero, IDIBELL; Indranil Singh, IRB; Bernd Kuebler, IDIBELL
- 11:15** **Coffee break**
- 11:45** **SESSION II: Aging, metabolism and stem cells**
Chair: Mireya Plass, IDIBELL & P-CMR[C], L'Hospitalet de Llobregat
- 11:50 *Aging hematopoietic stem cells: epigenetic drift and remodelling of the niche*
M. Carolina Florian, ICREA/IDIBELL & P-CMR[C], L'Hospitalet de Llobregat
- 12:20 *RNA sensors during developmental transitions*
Eirini Trompouki, IRCAN, Nice
- 12:50 Selected talks from abstracts
- 13:20 Flash talks
- 13:30** **LUNCH & posters**
- 15:15** **SESSION III: Making sense of complexity**
Chair: Àngel Raya, ICREA/IDIBELL & P-CMR[C], L'Hospitalet de Llobregat
- 15:20 *Multiscale Computational modelling in stem cell research and regenerative medicine*
Antonio del Sol, LCSB, Luxembourg
- 15:50 Selected talks from abstracts: Marta Kovatcheva, IRB; Mercedes Barrero, CRG; Francesca Matteini, IDIBELL
- 16:20** **Coffee break**
- 17:00 *Gastruloids: non-integrated stem cell models of mammalian gastrulation and body plan engineering*
Alfonso Martinez Arias, ICREA/UPF, Barcelona
- 17:30** **ROUND TABLE: Translation of regenerative Medicine & GMP**
Moderator Anna Veiga, IDIBELL & P-CMR[C], L'Hospitalet de Llobregat
Participants:
Sergi Querol, BST, Barcelona. *The scientists' view*
Jordi Monés, BMF, Barcelona. *The clinicians' view*
Gonzalo Calvo-Rojas, HCB, Barcelona. *The regulators' view*
- 18:30 Flash talks
- 18:45** **Poster session**
- 20:00** **End of the session**

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TUESDAY, NOVEMBER 28

9:00 **SESSION IV: Stem cells and disease**

Chair: Esteban Hoijman, IDIBELL and UB, L'Hospitalet de Llobregat

9:05 *Modeling herpes simplex virus 1 infection in cerebral organoids reveals new potential therapeutic approaches for viral encephalitis*

Agnieszka Rybak-Wolf, MDC Berlin, Berlin

9:35 *Modeling human development using embryo culture and pluripotent stem cell models*

Fredrik Lanner, KI, Solna

10:05 Selected talks from abstracts: Veronica Testa, UB; Adrian Villalba, Institut Cochin, Paris; Marcel Schilling, IDIBELL

10:35 **Coffee break**

11:05 **SESSION V: Organ and tissue regeneration**

Chair: Meritxell Rovira, IDIBELL, P-CMR[C] and UB, L'Hospitalet de Llobregat

11:10 *Guiding Intestinal Epithelial Stem Cell Fate*

Kim B. Jensen, reNEW, Copenhagen

11:40 Selected talks from abstracts: Ilias Moraitis, IDIBELL; Olov Andersson, KI, Solna; Ángel Fernández, UPF

12:10 *Beta cell development and regeneration*

Heiko Lickert, Helmholtz Munich, Munich

12:40 **Poster/short talk award and concluding remarks**

Jordi Guiu, IDIBELL & P-CMR[C], L'Hospitalet de Llobregat

Organized by: M. Carolina Florian, Alessandra Giorgetti, Jordi Guiu, Esteban Hoijman, Mireya Plass, Ángel Raya, Meritxell Rovira, Anna Veiga

Organizing committee: Jordi Guiu, Mireya Plass, Anuska Linares

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