

# BRN SEMINARS

Scientific workshops to foster collaborative research

## STEM CELLS AND CELL THERAPIES IN LUNG BIOLOGY AND DISEASES

Organizers: Dr. A. Artigas (H. Parc Taulí, Ciberes), Dr. R. Farré (UB, Ciberes) & Dr. D. Navajas (IBEC, Ciberes)

Parc Sanitari Pere Virgili, Edifici Montseny (Room Geron 3, -1 floor)  
Av. Vallcarca, 169-205.

September 27<sup>th</sup> 2018

15:00h Welcome & Presentation.

Dr. A. Artigas.  
Dr. D. Navajas

### SESSION I: LUNG STEM AND PROGENITOR CELLS *Moderator: Dr. D. Navajas*

15:15h. Endogenous Progenitor Cells.  
Dr. M. Camprubí.

15:35h. Mesenchymal Stem / Stromal Cells.  
Dr. I. Almendros

15:55h. Mechanisms of Action of MSCs and EPCs: How Do Stem Cells Work?  
Dr. R. Guillamat

16:15h Discussion.

### SESSION II: AVANCED CELL-BASED THERAPIES *Moderator: Dr. R. Guillamat*

16:30h. Biophysical Preconditioning of Stem Cells for Lung Therapies.  
Dr. D. Navajas

16:50h. Bioengineering Approaches to Lung Repair and Regeneration  
Dr. R. Farré

17:10h. Induced Pluripotent Stem Cells  
Dr. N. Montserrat

17:30h. Discussion.

### SESSION III: CELL THERAPY FOR LUNG DISEASES *Moderator: Dr. R. Farré*

17:45h. Airway Inflammation and Remodelling  
Dr. D. Ramos.

18:05h. Pulmonary Fibrosis  
Dr. J. Sellarés.

18:25h. Pulmonary Hypertension: Metabolic and Endothelial Dysfunction.  
Dr. O. Tura.

18:45h. Acute Respiratory Distress Syndrome  
Dr. A. Artigas

19:05h. Conclusions and future directions  
Dr. R. Farré  
Dr. A. Artigas