



Organizers:
Paulo J Oliveira
(Coimbra, Portugal)
Catarina R Oliveira
(Coimbra, Portugal)



Coimbra, Portugal, 22-24 May 2019



Symposium 6 | Gene and Cell Therapy: from Fundamental Science to the Clinic

Organizer: Lino Ferreira (Coimbra, Portugal)
Albert Rizvanov (Kazan, Russia)
Constanza Emanuelli (London, UK)

Day: Wednesday afternoon and Thursday morning
Meeting room: Meeting Room Coimbra, Hotel Dona Inés (Congress venue 2)

Wednesday, 22 May

14.00-16.00 **Session 1: Cell and gene-based therapies I**

Chairs: Lino Ferreira (Coimbra, Portugal)
Albert Rizvanov (Kazan, Russia)
Constanza Emanuelli (London, UK)

14.00-14.30: *Exosomes a double-edged sword in cardiovascular medicine*
Constanza Emanuelli (Imperial College London, UK)

14.30-15.00: *Adult myocardial slices: a viable and highly functional platform to study cardiac tissue*
Filippo Perbellini (Imperial College London, UK)

15.00-15.15: Speaker selected from submitted abstracts

15.15-15.30: Speaker selected from submitted abstracts

15.30-15.45: Speaker selected from submitted abstracts

15.45-16.00: Speaker selected from submitted abstracts

16:00-16:30 Coffee-break

16.30-18.00 **Session 2: Cell and gene-based therapies II**

Chairs: Lino Ferreira (Coimbra, Portugal)
Albert Rizvanov (Kazan, Russia)
Constanza Emanuelli (London, UK)

16.30-17.00: *Cytochalasin B-induced membrane vesicles – a new cell-free strategy for regenerative medicine*
Albert Rizvanov (Kazan Federal University, Russia)

17.00- 17.30: *Role of peribronchiolar mesenchymal cell subpopulations in instructing epithelial behavior during repair processes*
Saverio Bellusci, Justus Liebig University in Giessen, Germany

17.30-17.45: Speaker selected from submitted abstracts

17.45-18.00: Speaker selected from submitted abstracts



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Thursday, 23 May

08.30-10.00 **Session 3: RNA therapeutics, on behalf of COST Action CardioRNA CA17129**

Chairs: Lino Ferreira (Coimbra, Portugal)
Albert Rizvanov (Kazan, Russia)
Constanza Emanuelli (London, UK)

8.30-8:45: The CardioRNA COST Action
Constanza Emanuelli

8:45-9:15: *Role of Fat mass and obesity associated protein (FTO) in the heart*
Markéta Hlaváčková (Institute of Physiology, Prague, Czech Republic)

9:15-9:45: *Regulatory RNAs to treat the diseased heart*
Antonio Salgado Somoza (Luxembourg Institute of Health, Luxembourg)

9:45-10:00: Speaker selected from submitted abstracts

10:00-10:30 Coffee-break

10.30-12.30 **Session 4: Cell and gene-based therapies III**

Chairs: Lino Ferreira (Coimbra, Portugal)
Albert Rizvanov (Kazan, Russia)
Constanza Emanuelli (London, UK)

10.30-11.00: *Therapies and stem cell based models for cardiovascular applications*
Lino Ferreira (Faculty of Medicine, Coimbra, Portugal)

11.00-11.30: *Advances in Pluripotent Stem Cells cell processing: New technologies for new therapies*
Paula Alves (IBET and ITQB, Oeiras, Portugal)

11.30-11.45: Speaker selected from submitted abstracts

11.45-12.00: Speaker selected from submitted abstracts

12.00-12.15: Speaker selected from submitted abstracts

12.15-12.30: Speaker selected from submitted abstracts