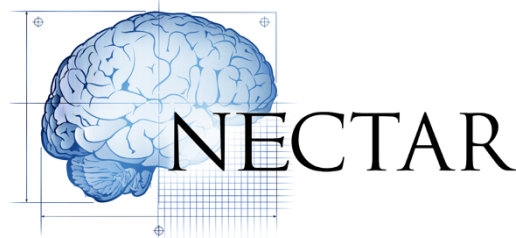


NECTAR 2019

Thursday 28th - Friday 29th November

The Exchange Hotel, Mount Stuart Square, Cardiff



Thursday 28th November

08.30-09.00 Registration and Welcome

09.00-11.00 Session 1 - Bringing reparative and restorative therapies to the clinic - Clinical Trial Updates

- 09.00 Welcome and opening remarks Agnete Kirkeby and local organising committee
- 09.10 Stephen Dunnett – Cardiff University
L' Esprit de NECTAR – Welcome
- 09.20 Roger Barker – Cambridge University
Lessons learnt from Transeuro for future cell based trials in Parkinson's Disease
- 10.00 Alan Whone – Bristol University
Does dopaminergic neurorestoration in Parkinson's remain probable or desirable?
- 10.30 Pavlina Konstantinova – UniQure
Development of microRNA-based gene therapy for Huntington's

11.00-11.30 Coffee Break

11.30-12.00 Datablitz

12.00-13.00 Session 2 – Inflammation

- 12.00 Emanuele Cozzi – University of Padua
Role of immunosuppression in neural cell transplantation
- 12.30 Marina Lynch – Trinity College Dublin
Age attenuates, and exercise enhances, the might of microglia

13.00-14.00 Lunch break

14.00-15.15 Session 3: The substance of repair – One

- 14.00 Ernest Arenas – Karolinska Institute
Human midbrain development-based cell replacement for PD
- 14.30 Daniella Rylander Ottosson – Lund University
- 15.00 Judith Thomas – University of Munich
Synaptic integration of transplanted fetal neurons into different brain environments – from disease to mechanisms

15.15-15.45 Datablitz

15.45-16.15 Coffee Break

- 16.15-17.00 Keynote:** Diego Gomez-Nicola – Southampton University
Targeting neuroinflammation in Alzheimer's: why, when and how

17.00-17.30 NECTAR Business meeting

19.00 Dinner at the St David's Hotel

Friday 29th November

08.30-09.00 Datablitz

09.00-10.00 Session 4 - The substance of repair - Two

- 09.00 Mark Hankins – Oxford University
Towards the treatment of retinal degenerations, the role of neuronal remodelling and the timing of therapies
- 09.30 Nicole Deglon – University of Lausanne
HTT - a ubiquitous gene with a cell-type specific signature

10.00-10.30 Coffee Break

10.30-11.30 Session 4 - The substance of repair – Two (continued)

- 10.30 Annalisa Buffo – Turin University
Stem cell derived human striatal progenitors innervate striatal targets and alleviate sensorimotor deficit in a rat model of Huntington Disease
- 11.00 Oliver Bartley – Cardiff University
Does Epigenetic Memory Influence the Differentiation of Medium Spiny Neurons from Fetal Ganglionic Eminence Derived iPSCs?
- 11.15 Stefano Fausin – Florey Institute of Neuroscience and Mental Health Melbourne University
Transplantation of ESC-derived motor neurons for treatment motor neuron disease

11.30-12.00 Datablitz

12.00-13.00 Lunch

13.00- 15.00 Session 5 - Bringing reparative and restorative therapies to the clinic – challenges for future trials

- 13.00 Monica Busse – Cardiff University
Contemporary challenges in clinical evaluations of advanced therapies
- 13.30 Liam Gray – Cardiff University
Challenges for therapy delivery to the human brain
- 14.00 Romina Aron Badin – CEA
Non-human primate models in pre-clinical research: translational opportunities for gene and cell therapies
- 14.30 Miroslaw Zabek – Carolina Medical Centre
- 15.00 Closing remarks, Agnete and Cardiff team**