

NSC-Reconstruct

NSC-Reconstruct Workshop #4: November 22-23, 2023 in Cambridge, UK
Strategies for the development of cell products that can evade the immune system, and the
development of tools to monitor graft rejection
Venue address: WYNG Gardens, Thompson's Lane Cambridge CB5 8AQ

Day 1: November 22

13.00 – 14.00 Lunch

14.00 – 14.10 Elena Cattaneo: Welcome and Introduction

Session 1: **The host's immune/inflammatory response**
Session chair: Anders Björklund

External speakers: 30+10 min discussion

14.10 – 14.50 Kourosh Saeb-Parsy
Department of Surgery, University of Cambridge
Assessment and Amelioration of Immunogenicity of Liver Cellular Therapies

14.50 – 15.30 Yen Tai
Imperial College London, Department of Brain Sciences
Using PET to monitor the inflammatory response in cell replacement therapy for neurodegenerative disorders

15.30 – 16.00 *BREAK*

External speaker: 30+10 min discussion

16.00 – 16.40 Iwijn De Vlaminc **online**
Cornell University, Meinig School of Biomedical Engineering
Minimally Invasive Monitoring of Complications of Stem Cell Therapy

16.40 – 17.00 Discussion

Session 2: **Strategies to develop cell products that can evade the immune system**
Session chair: Roger Barker

External speaker: 30+10 min discussion

17.00 – 17.40 Sonja Schrepfer **online**
Head of the Hypoimmune Platform at Sana Biotechnology, San Francisco
Translating Discoveries: Engineering of Allogeneic Donor Cells for Acceptance by the Host's Immune System

17.40 – 18.10 Discussion

Dinner venue address: King's College, Beves room, King's Parade, Cambridge, CB2 1ST

Accommodation booked at: Arundel House Hotel, Chesterton Rd, Arbury, Cambridge CB4 3AN

Day 2: November 23

Session 2: continued
Session chair: Roger Barker

External speakers: 30+10 min discussion

09.00 – 09.40 Asuka Morizane **online**
Kobe City Medical Center General Hospital, Kobe, Japan
Strategy for immune control in cell replacement therapies for Parkinson's Disease

09.40 – 10.20 Micha Drukker
Leiden Academic Centre for Drug Research (LACDR) / Leiden University
Perspectives on the immunological assessment of autologous, homozygous, and hypoimmunogenic i/ePSCs

10.20 – 10.30 Discussion

10.30 – 11.00 **BREAK**

Internal speakers: 20+10 min discussion

11.00 – 11.30 Shaline Fazal
John van Geest Centre for Brain Repair, University of Cambridge
Characterisation of MHC class I KO dopamine neurons

11.30 – 12.00 Tristan Thwaites
Novo Nordisk
Strategies to develop cell products that can evade the immune system

12.00 – 13.00 **LUNCH**

Session 3: **Exploration of Immune Mechanisms**
Session chair: Carlos Villaescusa

External speakers: 30+10 min discussion

13.00 – 13.40 Caroline Williams-Gray
John van Geest Centre for Brain Repair, University of Cambridge
The role of the immune system in the progression of Parkinson's disease

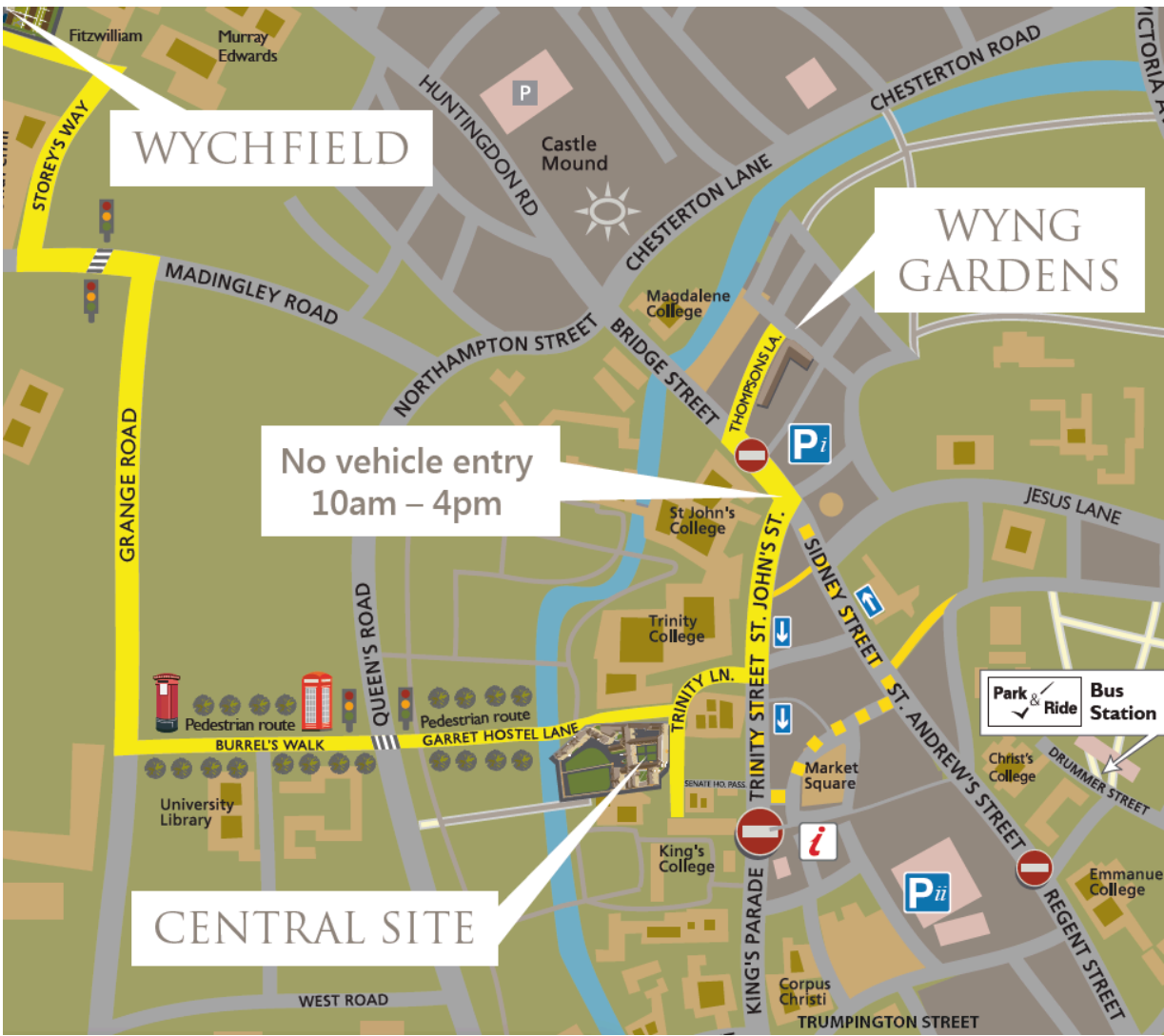
13.40 – 14.20 Joanne Jones
Department of Clinical Neurosciences, University of Cambridge
How can we assess the immunogenicity of stem cell derived therapies - and what are the challenges?

14.20 – 14.40 **BREAK**

Internal speaker: 20+10 min discussion

14.40 – 15.10 Annabel Curle
Department of Clinical Neurosciences, University of Cambridge
How immunogenic are ESC derived DA neurons?

15.10 – 16.00 Concluding discussion
Session chair: Roger Barker



- 12 min
- 17 m...
- 5 min

- Arundel House Hotel, Chesterton
- WYNG Gardens, Thompsons Ln, (
- King's College, Cambridge, King's
- Add destination

Options

Send directions to your phone

via Richmond Terrace **17 min**
0.7 mile
[Details](#)

Mostly flat

