

# 2023 Conference

[Respect 4 Neurodevelopment](#) is a EPSRC/ MRC funded UKRI-Network Plus that aims to bring together bioengineers, psychologists, psychiatrists and people with lived experience to develop Responsible, Reliable, Scalable and Personalised Neurotechnologies for Neurodivergent Infants and Children.



## 10 November 2023

### 9.30am - 5pm

**In person**

**Clare Management Centre**  
Birkbeck, University of London  
27 Torrington Square,  
London WC1E 7JL

**Online**



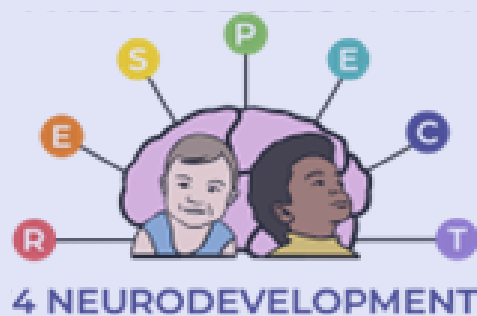
**Free for all**

**Register Now**

**Poster Abstract Submission deadline 16th October.**  
**Visit website for details & how to apply for Travel Awards.**

*If you can no longer attend in person, please let us know asap so that the slot can be given to someone else.*

Email: [r4n@kcl.ac.uk](mailto:r4n@kcl.ac.uk) Website:  
[www.respect4neurodevelopment.com](http://www.respect4neurodevelopment.com)



# Programme

9.30 **Registration and Coffee**

10.00 **Welcome and Introduction to Respect 4 Neurodevelopment,**  
Prof Eva Loth, King's College London

## Session 1: Keynote

10.10 **Prof Steve Williams, King's College London**  
UNITY – **U**ltralow field **N**euroimaging **I**n **T**he **Y**oung

10.50 **Rapid fire poster presentations**  
Five selected poster presentations

11.15 **Coffee Break & Poster Viewing**

## Session 2: The 4 pillars of Respect 4 Neurodevelopment

11.45 **Responsible Neurotechnology,**  
Prof Eva Loth, King's College London  
SÍofra Heraty, Birkbeck, University of London

11.55 **Reliable Neurotechnology,**  
Prof Ilias Tachtsidis, University College London

12.05 **Scalable Neurotechnology,**  
Dr Tomoki Arichi, King's College London

12.15 **Personalised Neurotechnology,**  
Prof Emily Jones, Birkbeck, University of London

12.25 Discussion (20 mins)

## Session 3: Buffet Lunch & Parallel Open Door Surgery

12.45 Optional drop in & join open discussions around the four working groups on Responsible, Reliable, Scalable and Personalisation of neurotechnology.  
**(in person only -see room plans on the day)**



## Session 4: Pump-prime feasibility study awards 2023

- 1.30 **Developing low-cost wearables to track early home environments in neurodivergent children**  
Prof Sam Wass, University of the East of London
- Comfortable Conformal Coils for Children**  
Dr Tobias Wood, King's College London
- Combining wearable diffuse optical tomography and immersive virtual reality to reliably study neurodevelopmental conditions**  
Dr Chiara Bulgarelli, Birkbeck
- Immersive Virtual Reality for MRI scanning of awake young children with neurodevelopmental conditions**  
Prof Jo Hajnal, King's College London
- Discussion Panel**

## Session 5: Perspectives across the network

- 2.20 **Ethical Considerations for Responsible Child-specific Neurotechnologies**  
Prof Paul Appelbaum, Columbia University
- 2.35 **Participatory Research autistic-led organisations' perspective**  
Heta Pukki, European Council of Autistic People
- 2.50 **Early Career Researcher Network**  
Dr Rianne Haartsen, Sanjana Gandhi, King's College London
- 3.05 **Industry perspective**  
Jorit Dekker, Noldus Information Technology, The Netherlands
- 3.20 **Coffee & Poster Viewing Time**



## Session 6: Recommendations from the Scientific Advisory Board

4.00 **Feedback on Posters Presentations & Prizes**

4.10 **Recommendations from the Scientific Advisory Board & Participatory Research Committee**

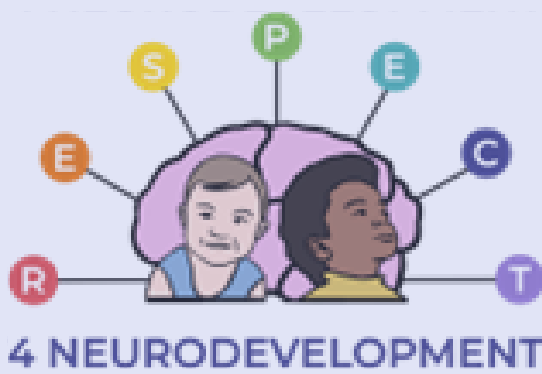
SAB: Prof Jan Buitelaar, Prof Bill Fifer, Prof Paul Appelbaum, Prof Sue Leekam, Prof Clare Elwell, Prof Mark Johnson, Matthew Goodwin.

PRC: Mary Doherty, Síofra Heraty, Sarah Douglas, Heta Pukki.

5.00 **Closing remarks**  
Prof Eva Loth

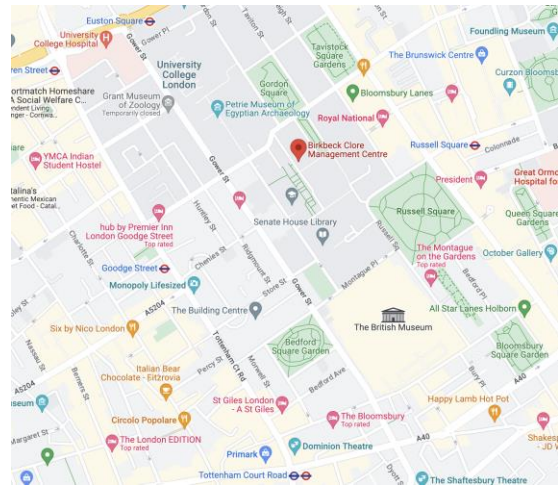
5.10 **Drinks Reception**  
onwards

*Thank you for coming along to our first annual event.*



UK Research  
and Innovation

## How to get to Birkbeck Clore Management Centre Birkbeck, University of London, 27 Torrington Square, London WC1E 7JL



**Location:** situated between Russell Square and Gordon Square, Tavistock Square.

**Nearest Tube Stations:** **Googe Street**, 10 mins walk

Also accessible from King's Cross Station, or Euston Station, 15 minute walk.

**Buses:** 59 from King's Cross, Euston and Waterloo will take you to Russell Square or Tavistock Square.

There will be someone there to greet you with signs in the lobby.