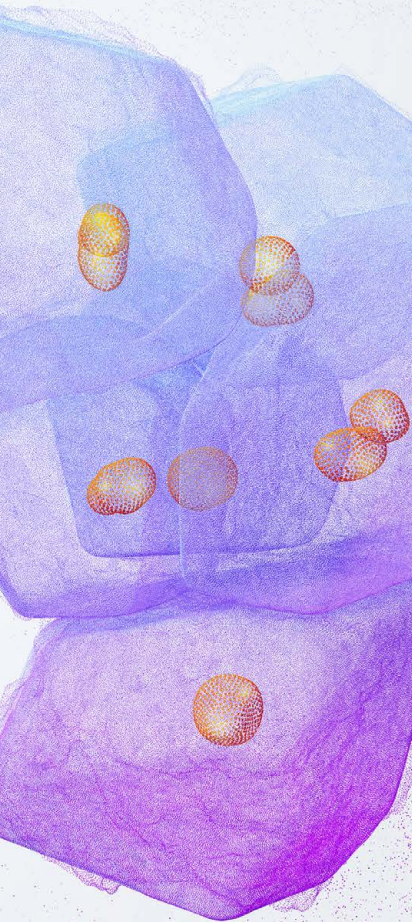


THE HUMAN CELL FORUM 2025

AGENDA



WELCOME

- 8.30

Registration
- 9.00

Introduction
Przemek Obloj
CEO, bit.bio
THE DEBATING CHAMBER
- 9.05

Keynote
Mark Kotter, MD, PhD
Founder, bit.bio
THE DEBATING CHAMBER
- 9.50

Panel discussion
Breaking barriers to adoption: What will it take to make human cells accessible and fit-for-purpose?
David Fischer, PhD
Chief Technology Officer (Discovery), Charles River Laboratories
Davide Gianni, PhD
Senior Director, Functional Genomics, Discovery Sciences, BioPharmaceuticals R&D, AstraZeneca
Camin Dean, PhD
Heisenberg Group Leader, DZNE / Charité University of Medicine
Moderator Emma Pepperell, PhD
VP Commercial, bit.bio
THE DEBATING CHAMBER

BREAK

THE FAIRFAX RHODES ROOM

- 10.50

Refreshments
- Support clinic**

Bricks of biology competition
Race the clock: Be the fastest to correctly build the brick-style neuron model. The quickest brain at the end of the day gets to keep the kit!

SESSION 1

TRACK 1

THE LIBRARY

Modelling neurodegeneration in vitro with human iPSC-derived cells

Moderated by Zoe Nilsson, PhD
Senior Content Strategy Manager, bit.bio

- 11.15

Characterising disease-relevant signatures in iPSC-derived motor neurons to test the therapeutic potential of homeoprotein EN1
Elizabeth Di Lullo, PhD
Associate Scientific Director, BrainEver

- 11.35

In vitro approaches to neurodegeneration: Characterisation of ioGlutamatergic Neurons as PD models
Irantzu Pérez Ruiz, PhD
Study Director, Scantox Neuro

- 11.55

Ameliorating cellular stress in neurodegeneration
Emmanouil Metzakopian, PhD
former CSO, bit.bio

TRACK 2

THE OLD SNOOKER ROOM

From cells to systems: Building human iPSC-derived models of pain, neuromuscular junctions, and glial dynamics

Moderated by Tom Harris-Brown
Senior Product Manager, bit.bio

- 11.15

Using ioSensory Neurons to model pain in osteoarthritis
Ryan Jones, PhD
Research Associate, Biomechanics and Bioengineering Research Centre Versus Arthritis, Cardiff University

- 11.35

Astrocytic calcium imaging – from mouse to human systems
Jeremy Krohn, MSc
PhD Candidate, DZNE

- 11.55

Using human iPSC-derived ioSkeletal Myocytes and ioMotor Neurons to model complex neuromuscular systems in vitro
Grace Cooper, PhD
Senior Scientist, bit.bio

LUNCH

THE FAIRFAX RHODES ROOM

- 12.15

Lunch
- Support clinic**

Bricks of biology competition
Race the clock

SESSION 2

THE LIBRARY

- bit.bio insider: Tools, tips, and what's coming next**

Moderated by Sebastian Fiedler, PhD
Applications Marketing Manager, bit.bio

- 13.15

Unlocking success with ioCells: Overcoming challenges and maximising outcomes
Luke Foulser
Field Application Scientist, bit.bio

- 13.30

Introducing digiCells: Enabling on-demand access to ioCells transcriptomics data
Inês Ferreira, MSc
Senior Product Manager, bit.bio

- 13.45

Comparing human iPSC-derived ioMicroglia to immortalised HMC3 cell line: A case study
Euan Yates
Scientist, bit.bio

- 14.05

CRISPR meets opti-ox™ – Harnessing CRISPR-Ready ioCells for drug discovery in neurodegenerative diseases
Sejla Salic-Hainzl, PhD
VP R&D, bit.bio discovery

- 14.25

Development of human iPSC-derived hepatocytes for drug discovery, translational research and toxicity testing
Gianmarco Mastrogiovanni, PhD,
Principal Scientist, Cell Type Development, bit.bio

- 14.45

Live Q&A with bit.bio

BREAK

THE FAIRFAX RHODES ROOM

- 15.15

Refreshments
- Support clinic**

Bricks of biology competition
Race the clock

SESSION 3

THE LIBRARY

- Making complex human biology compatible with modern drug discovery workflows**

Moderated by Connie O'Donnell
Director Marketing, bit.bio

- 15.45

Advancing neurodegenerative disease drug discovery through innovative human iPSC-derived cell-based assays
Malika Bsibsi, PhD
Research Leader Neuroscience, Charles River Laboratories

- 16.05

Talk title TBC
Martina Esposito Soccoio, PhD
Senior Research Associate, AviadoBio

- 16.25

Toward clinical trial in a dish: harnessing iPSC models in drug discovery
Sara Martin, PhD
Scientist, Axxam

- 16.45

Closing remarks

DRINKS RECEPTION

THE FAIRFAX RHODES ROOM

17.00 – 18.00