

NECTAR 2022



32nd Annual meeting
of the Network for European CNS
Transplantation and Restoration

nectar-athens22.gr



24-26
OCTOBER
2022

PROGRAMME

Monday

24/10

12:00-13:30 Registration - Welcome

13:30-14:30 Plenary I

Nissim Benvenisty, *The Azrieli Center for Stem Cells and Genetic Research, The Hebrew University of Jerusalem, Israel*
The Essentialome of Human Development and Disease

14:30-16:00 Session 1

Clinical trials

Tilo Kunath, *Institute for Stem Cell Research, University of Edinburgh, UK*

Clinical-grade cells for neural transplantation: Scale up, fingerprinting, and genomic stability of stem cell lines

Jun Takahashi, *CiRA-Kyoto University, Japan*

R&D of iPS cell-based therapy for stroke

Steven Goldmann, *Centre for Translational Neuromedicine, University of Rochester & University of Copenhagen*
Faculty of Health and Medical Sciences, Denmark

Challenges towards clinical translation of cell therapies for Huntington's disease

16:00-16:30 Coffee

16:30-18:30 Session 2

Advances in CNS disease modeling

Jens Schwamborn, *Luxembourg Centre for Systems Biomedicine, Luxembourg*

Modeling Parkinson's disease with human midbrain organoids

Achille Gravanis, *School of Medicine University of Crete & Institute of Molecular Biology and Biotechnology, Crete, Greece*

Designing brain-on-chip platforms for simulating human brain function and malfunction'

Evangelos Kiskinis, *Feinberg School of Medicine, Northwestern University, Chicago USA*

Bioactive scaffolds for amyotrophic lateral sclerosis modeling

Alessandro Fiorenzano, *Lund Stem Cell Center, Sweden*

Human midbrain development and dopamine neuron diversity revealed by single-cell transcriptomics

18:30-19:30 Plenary II

Lee Rubin, *Harvard Stem Cell Institute, USA*

Disease modeling and phenotypic drug screening



Tuesday

25/10

09:00-11:00 Session 3

Neuroinflammation and glial cells in neurodegenerative diseases

Malú Gámez Tansey, *Center for Translational Research in Neurodegenerative Disease, University of Florida College of Medicine, Gainesville, USA*

Inflammation and immune dysfunction in Parkinson disease

Stefano Plucino, *Regenerative Neuroimmunology, Cambridge University, UK*

Molecular fuels and drivers of smouldering disease in progressive multiple sclerosis

Jari Koistinaho, *Neuroscience Center, Helsinki Institute of Life Science HiLIFE, Finland*

Neuroglia in neurodegenerative diseases

Era Taoufik, *Hellenic Pasteur Institute, Athens, Greece*

Neuroinflammation and astrocytes in Parkinson's disease

11:00-11:30 Coffee

11:30-12:00 Data Blitz session: Oral presentations

12:00-13:00 Plenary III

Ido Amit, *Weizmann Institute of Science, Israel*

The power of ONE: Immunology in the age of single cell genomics

13:00-14:00 Lunch

14:00-16:00 Session 4

Preclinical cell/gene therapies in neurological disorders I

Olivier Goureau, *Institut de la Vision, Paris, France*

Cell therapy for degenerative retinal diseases

Sandro Alves *Brain Vectis-Askbio & iPeps Paris Brain Institute, France*

Strategies, tools and challenges for Gene Therapy of Neurological Diseases

Luís Pereira de Almeida, *Center for Neuroscience and Cell Biology, University of Coimbra, Portugal*

Therapeutic strategies for spinocerebellar ataxia type 3

Dimitra Thomaidou *Hellenic Pasteur Institute, Greece*

Direct astrocyte to neuron reprogramming: towards a therapeutic strategy for brain injuries

16:00-16:30 Coffee

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16:30-17:00 Data Blitz session: Oral presentations

17:00-19:00 Session 5

Preclinical cell/gene therapies in neurological disorders II

Malin Parmar, *Wallenberg Neuroscience Center & Lund Stem Cell Center, Sweden*
Cell therapy for Parkinson's disease

Sabah Mozafari, *ICM Paris, France*

Potential of Multiple Sclerosis iPS-derived oligodendroglia to functionally interact with axons and glia in vivo

Clive Svendsen, *Cedars-Sinai Regenerative Medicine Institute, Los Angeles, USA*
Stem cell therapies for amyotrophic lateral sclerosis

Mark Tuszynski, *University of California San Diego, USA*
Experimental Treatments for Spinal Cord Injury

19:00-20:00 Special Session Patient Advocacy

21:00 Conference Dinner

Wednesday

26 /10

08:30-10:00 Session 6

Companies/Biotech

10:00-10:30 Data Blitz session: Oral presentations

10:30-11:00 Coffee

11:00-13:00 Session 7

Disease mechanisms

Frederic Saudou, *Institut Neurosciences, Grenoble, France*
Molecular mechanisms in Huntington's disease

Magdalini Polymenidou, *University of Zurich, Switzerland*
RNA-RBP interactions/ phase separation in neurodegenerative diseases

Chiara Zurzolo, *Institut Pasteur, Paris, France*
Disease spreading through tunneling nanotubes

Maria Xylouri, *Biomedical Research Foundation of the Academy of Athens, Greece*
Multiple systems atrophy