



19-21 May 2025



Human Technopole
Milan

Neurogenomics Conference



conference



PROGRAMME

DAY 1 19 May 2025

09:00-09:30 **Arrival and registration**

@ Reception of HT Auditorium

09:30-10:00 **Welcome coffee**

@ HT Covered Plaza

10:00-10:15 **OPENING**

@ HT Auditorium

Session I - Neurodevelopment (chair: Nereo Kalebic, HT, IT)

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|-------------|---|---|
| 10:15-10:40 | What made our brain so big and us smarter than Neandertals? | Wieland Huttner , MPI-CGB, DE (remote) |
| 10:40-10:50 | Talk 10' | <i>Selected Speaker from abstracts</i> |
| 10:50-11:15 | Temporal control of Neurogenesis | Baasem Hassan , ICM, FR |
| 11:15-11:25 | Talk 10' | <i>Selected Speaker from abstracts</i> |
| 11:25-11:35 | Talk 10' | <i>Selected Speaker from abstracts</i> |
| 11:35-11:45 | Talk 10' | <i>Selected Speaker from abstracts</i> |

11:45-13:55 **Lunch**

@ HT Covered Plaza

Session II - Neurodevelopment (chair: Elena Taverna, HT, IT)

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|-------------|---|---|
| 13:55-14:05 | Talk 10' | <i>Selected Speaker from abstracts</i> |
| 14:05-14:30 | Gene regulation in response to neuronal activity | Yukiko Gotoh , University of Tokyo, JP |
| 14:30-14:40 | Talk 10' | <i>Selected Speaker from abstracts</i> |
| 14:40-15:05 | Coordinated remodeling of neural stem cell epigenome and cell fate bias during mouse cortical development | Boyan Bonev , Helmholtz Pioneer Campus, DE |

15:05-15:35 **Coffee**

@ HT Covered Plaza

Session III - Brain Evolution (chair: Federico Rossi, IIT, IT)

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|-------------|---|--|
| 15:35-16:00 | Mapping development of the human brain using high-throughput genomics | Tom Nowakowski , UCSF, US |
| 16:00-16:10 | Talk 10' | <i>Selected Speaker from abstracts</i> |
| 16:10-16:35 | Timing mechanisms linking development and evolution of the human brain | Pierre Vanderhaeghen , VIB, BE |
| 16:35-16:45 | Talk 10' | <i>Selected Speaker from abstracts</i> |
| 16:45-17:10 | The interaction of genomes and mechanics in brain development and evolution | Roberto Toro , Institut Pasteur, FR |

17:10-18:10 **Keynote Speaker** - Constructing and deconstructing the human nervous system to study development and disease

Sergiu **Pasca**, Stanford University, US
introduced by Giuseppe Testa

18:10-18:30 Walking time to Triulza Academy

18.30-21:30 **Light Refreshment & Posters**

@ Triulza Academy



PROGRAMME

DAY 2 20 May 2025

Session IV - Neurodegeneration and regeneration (chair: Jose Davila-Velderrain)

09:00-09:25	Regeneration of a tetrapod nervous system	Elly Tanaka , IMBA, AT
09:25-09:35	Talk 10'	<i>Selected Speaker from abstracts</i>
09:35-10:00	Body-brain communication at the choroid plexus	Aleksandra Deczkowska , Institut Pasteur, FR
10:00-10:10	Talk 10'	<i>Selected Speaker from abstracts</i>
10:10-10:35	Single-Cell and Spatial Transcriptomics and Epigenomics of Oligodendroglia in Development and in Multiple Sclerosis	Gonalo Castelo-Branco , Karolinska Institute, SE
10:35-11:00	The EMBO Keynote Lecture - From correlation to mechanisms: how genetics determine your risk of Alzheimer's disease	Bart De Strooper , VIB, BE

11:00-11:30 Coffee

@ HT Covered Plaza

Session V - Neuroimmunology (chair: Oliver Harschnitz, HT, IT)

11:30-11:55	Leveraging single cell technologies to engineer the immune system	Ido Amit , Weizmann Institute, IL
11:55-12:05	Talk 10'	<i>Selected Speaker from abstracts</i>
12:05-12:30	Tau uptake, processing and secretion by human iPSC-microglia	Sally Cowley , University of Oxford, UK
12:30-12:40	Talk 10'	<i>Selected Speaker from abstracts</i>
12:40-13:05	Mapping and modeling brain macrophages	Florent Ginhoux , A-STAR, SG

13:05-14:15 Lunch

@ HT Covered Plaza

Session VI - Stem cell and organoid disease modelling

(chair: Veronica Krenn, Milano-Bicocca, IT)

14:15-14:40	Talk 25'	Simona Lodato , Humanitas RC, IT
14:40-14:50	Talk 10'	<i>Selected Speaker from abstracts</i>
14:50-15:15	Cellular Crosstalk in Brain Development	Silvia Cappello , LMU, DE
15:15-15:25	Talk 10'	<i>Selected Speaker from abstracts</i>
15:25-15:50	Engineering brain organoids for modeling neural development and diseases	Guo-li Ming , University of Pennsylvania, US

15:50-16:20 Coffee

@ HT Covered Plaza

16:20-17:20 Meet the Speakers

PhD/Postdocs Groups

17:30-18:45 Transfer to UniMi

Meeting point: HT Covered Piazza

18:45-19:45 Keynote Speaker - The idea of the brain and the future of neuroscience

Matthew **Cobb**, The University of Manchester, UK
introduced by Giuseppe Testa @ University of Milan, Aula Magna, via Festa del Perdono 7

19:45-21:30 Light refreshment

@ University of Milan, Cortile del '700,
via Festa del Perdono 7



PROGRAMME

DAY 3 21 May 2025

Session VII - Cancer neuroscience

(chair: Stefania Faletti, HT, IT)

08:45-09:10	A brain-wide neuronal circuit connectome of human glioblastoma	Hongjun Song , University of Pennsylvania, US
09:10-09:20	Talk 10'	<i>Selected Speaker from abstracts</i>
09:20-09:45	The neural environment of cancer and beyond	Claire Magnon , INSERM, FR
09:45-09:55	Talk 10'	<i>Selected Speaker from abstracts</i>
09:55-10:20	Targeting the neural blueprint of brain tumors	Varun Venkataramani , DKFZ, DE

10:20-10:50

Coffee

@ HT Covered Plaza

Session VIII - Neurodiversity in language and cognition

(chair: Giuseppe Testa, HT, IT)

10:50-11:15	The Human Condition through Human Conditions	Cedric Boeckx , ICREA, ES
11:15-11:40	The genetic architecture of autism: from medicine to neurodiversity	Thomas Bourgeron , Institut Pasteur, FR
11:40-11:50	Talk 10'	<i>Selected Speaker from abstracts</i>
11:50-12:15	Autism, ability and the human brain on a continuum	Daniel Geschwind , UCLA, US
12:15-12:40	Tracing Neurogenomic Disorders Across Human Phenotypes	Armin Raznahan , NIH, US

12:40-13:45

Lunch

@ HT Covered Plaza

13:45-14:00

Best poster award

@ HT Auditorium

14:00-15:00

Keynote Speaker - (Epi)Genomics Of Stress - Implications For Psychiatry

Elisabeth **Binder**, Max Planck Institute of Psychiatry, DE
introduced by Giuseppe Testa

CLOSING REMARKS & DEPARTURE

