

30th Meeting of the HSfN
HELLENIC SOCIETY FOR NEUROSCIENCE
24-26 November Athens
NATIONAL CENTER FOR SCIENTIFIC RESEARCH
"DEMOKRITOS"

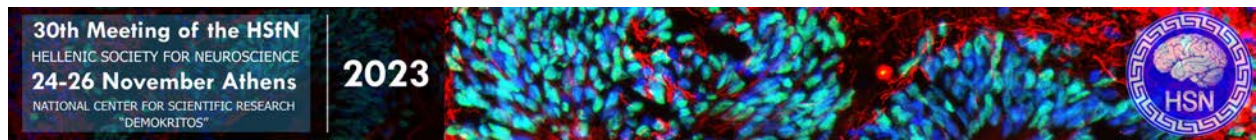
2023



Final Program at a Glance

30th Meeting of the HSfN
HELLENIC SOCIETY FOR NEUROSCIENCE
24-26 November Athens
NATIONAL CENTER FOR SCIENTIFIC RESEARCH
"DEMOKRITOS"

2023



30th Meeting of the Hellenic Society for Neuroscience (HSfN)
24-26 November 2023
National Centre for Scientific Research "Demokritos"
Final Program at a Glance
Language: English

FRIDAY – 24 NOVEMBER 2023

9:00 - 9:30 **Registration**

9:30 - 11:30 **Symposium S1 Unravelling the Complex Landscape of Neurodegenerative Disorders: Pathways and Therapeutic Targets**

Chair: *Ioannis Charalampopoulos & Panagiota Papazafiri*

Maria Xilouri

Title: Targeting the Autophagy-Lysosome Pathway in α -Synucleinopathies

Epaminondas Doxakis

Title: Intricacies of α -synuclein: Post-Transcriptional Control and Aggregation in Parkinson's Pathogenesis

Selected oral presentations

This session features five oral presentations chosen from a competitive selection of submitted abstracts

11:30 - 12:30 **Plenary lecture #1 Panayiota Poirazi**
Title: Dendritic contributions to biological and artificial learning and memory

Chair: *Fotini Stylianopoulou*

12:30 - 14:10 **Lunch and Poster Viewing - Poster session #1**

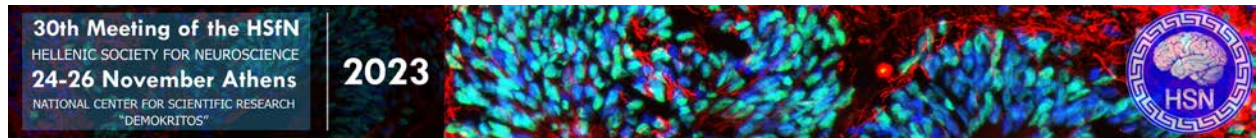
14:10 - 14:30 **Biotech in Focus – Session #1: An Expert Showcase of New Products and Technologies – Antisel**

Chair: *Myrto Denaxa*

Agnieszka Ciesielska

Science & Technology Advisor, 10X Genomics

Title: Reimagine neurobiology with single cell and spatial transcriptomics applications



14:30 - 16:30 **Symposium S2 Origins in Neurodevelopment: The Underpinnings of Nervous System Diseases**

Chair: *Maria Gaitanou & Christos Gkogkas*

George Leondaritis

Title: Neuronal lipid signaling in development and disease

Kiriaki Sidiropoulou

Title: Development of the mouse prefrontal cortex: from neurons to networks

Selected oral presentations

This session features five oral presentations chosen from a competitive selection of submitted abstracts

16:30 - 18:30 **Workshop – Mentoring in Neuroscience**

Chair: *Fotini Stylianopoulou, Spyros Efthimiopoulos, Ioannis Sotiropoulos, Alexia Polissidis, Vasiliki Tsata*

18:30 - 19:30 **Plenary lecture #2 Georgios Skretas**

Title: Bacteria to the rescue: engineering microorganisms to function as a living early-stage drug discovery platform for diseases caused by protein misfolding and aggregation

Chair: *Panagiotis Politis*

19:30 - 21:00 **Welcome Reception**

SATURDAY – 25 NOVEMBER 2023

9:00 - 11:00 **Symposium S3 Mechanisms of Neuronal Regeneration and Homeostasis**

Chairs: *Rebecca Matsas & Ilias Kazanis*

Lida Katsimpardi

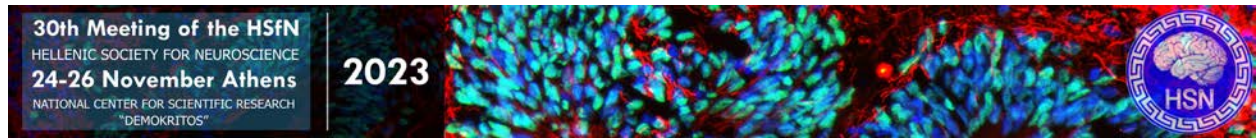
Title: Bloody brain: systemic control of brain aging and rejuvenation

Vasiliki Tsata

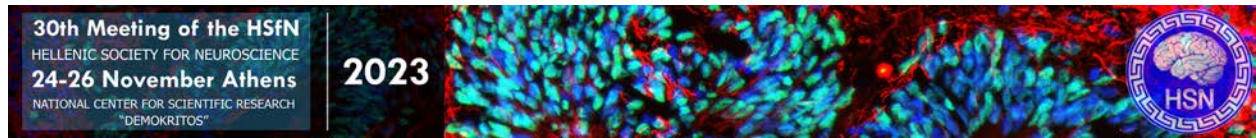
Title: Exploring the Neuro Cardiac Axis-Defining local mechanisms and long-range signals that promote organ regeneration

Selected oral presentations

This session features five oral presentations chosen from a competitive selection of submitted abstracts



- 11:00 - 12:00** **Plenary lecture #3 Ewelina Knapska**
Title: Neuronal correlates of social behavior in health and disease
Chair: *Antonios Stamatakis*
- 12:00 - 12:30** **Coffee Break**
- 12:30 - 14:10** **Lunch and Poster Viewing - Poster session #2**
- 14:10 - 14:30** **Biotech in Focus – Session #2: An Expert Showcase of New Products and Technologies - Lab Supplies**
Chair: *Panagiotis Politis*
Susan Wu
Title: ReWarD Customers Through Technology, Quality and Talents
- 14:30 - 16:30** **Symposium S4 Molecular Pathways to Neuronal Health and Disease: Understanding Function at its Core**
Chair: *Iro Georgousi & Dimitra Thomaidou*
Konstantinos Palikaras
Title: The yin and yang of mitophagy in neuronal homeostasis
Dimitra Dafou
Title: RNA editing defines neurodegenerative disease manifestations
- Selected oral presentations**
This session features five oral presentations chosen from a competitive selection of submitted abstracts
- 16:30 - 16:50** **Coffee Break**
- 16:50 - 18:30** **Symposium S5 The Dynamic Brain: Unraveling the Links between Behavior and Neuroplasticity**
Chair: *Vasilis Raos & Manolis Froudarakis*
Nikolaos Smyrnis
Title: $1/f$ noise in human cognition: a signature of predictive processes
Georgia Gregoriou
Title: Filtering out distractions while focusing attention: Two sides of the same coin



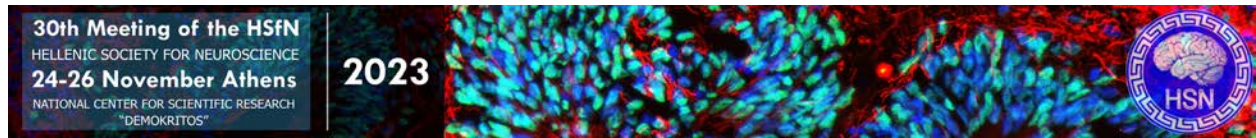
Selected oral presentations

This session features four oral presentations chosen from a competitive selection of submitted abstracts

- 18:30 - 19:30** **Plenary lecture #4 Aaron D. Gitler**
Title: Expanding mechanisms and therapeutic strategies for neurodegenerative diseases
Chair: *Alexia Polissidis*
- 19:30 - 20:30** **General Assembly of the Hellenic Society for Neuroscience**
- 21:00** **Social event**

SUNDAY – 26 NOVEMBER 2023

- 9:00 - 11:00** **Symposium S6 Neurobiological Mechanisms and Intervention Strategies in Neurological Disorders**
Chair: *Leonidas Stefanis & Christina Dalla*
- Panos Zanos**
Title: NMDA receptor activation underlies ketamine's rapid antidepressant efficacy
- Vasiliki Kyrargyri**
Title: Role of microglia in neuroinflammatory and demyelinating diseases
- Stella Giakoumaki**
Title: Neuropsychological profiles of high schizotypal individuals: implications for cognitive remediation programs
- Selected oral presentations**
This session features four oral presentations chosen from a competitive selection of submitted abstracts
- 11:00 - 12:00** **Plenary lecture #5 Andreas Papassotiropoulos**
Title: Human genetic signatures of remembering and forgetting as a basis for drug discovery
Chair: *Efthimios Skoulakis*
- 12:00 - 12:30** **Coffee Break**



12:30 - 14:30 Lunch and Poster Viewing - Poster session #3

14:10 - 14:30 Biotech in Focus – Session #3: An Expert Showcase of New Products and Technologies – Bioanalytica

Chair: *Christina Kyrousi*

Aida Freire Valls

Spatial Biology Specialist, NanoString Technologies, Inc.
Title: Transforming neuroscience: from digital spatial profiling to single cell imaging

14:30 - 16:30 ISN Symposium Mechanistic Advances and New Perspectives on Brain Metabolism (S7)

Chair: *Mimika Mangoura & Kostas Vekrelis*

Blanca I. Aldana

Title: Metabolic interventions in glial cells: Implications for Neurodegenerative disorders

Juan P. Bolaños

Title: Astrocyte metabolism: energy or signaling?

Johannes Hirrlinger

Title: Brain metabolism: from heterogeneity to pathophysiology

16:30 - 17:30 Young scientists awards & closing remarks

END of the 30th MEETING of the HSN