

Organized by:



Jointly with:







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ISN-ASN MEETING

NEW YORK CITY, USA AUGUST 19-22, 2025



ISN OFFICERS AND COUNCIL

Officers

President, Caroline (Lindy) Rae, Australia Secretary, Babette Fuss, USA Treasurer, Alessandro Prinetti, Italy Treasurer-Elect, Vladimir Parpura, China

Council

Past President, Flávia Gomes, Brazil Company Secretary, Monica Carson, USA Chair of Publications Committee, Anthony J. Turner, UK Historian / Archivist, Ralf Dringen, Germany ISN Council Member, João M N Duarte, Sweeden ISN Council Member, Christian González-Billault, Chile ISN Council Member, Jean-Pierre Mothet, France
ISN Council Member, Cheah Pike-See, Malaysia
ISN Council Member, Vania Prado, Canada
ISN Council Member, Ago Rinken, Estonia
ISN Council Member, Constanze Seidenbecher, Germany
ISN Council Member, Akio Wanaka, Japan
Re-elected ISN Council Member, Amadi Ihunwo, South Africa
ISN Council Elect, Itsuki Ajioka, Japan
ISN Council Elect, Erhard Bieberich, USA

ASN OFFICERS AND COUNCIL

Officers

President, Michael Nichols, USA Secretary, Donna Osterhout, USA Treasurer, Steven Barger, USA

Councilors

Alternate, Stefka Spassieva, USA Historian, Anne Boullerne, USA Historian Emeritus, George DeVries, USA ASN Councilor, Katrina Adams, USA ASN Councilor, Elena Blanco-Suarez, USA ASN Councilor, Ukpong Eyo, USA ASN Councilor, Sergio Ferreira, Brazil ASN Councilor, Randy Stout, USA
ASN Councilor, Shinghua Ding, USA
ASN Councilor, Timothy Kennedy, Canada
ASN Councilor, Sarah Lutz, USA
ASN Councilor, Jessica MacDonald, USA
ASN Councilor, Arturo Ortega, Mexico
ASN Councilor, Tracy Tran, USA
ASN Councilor, Wilma Friedman, USA
ASN Councilor, Joshua Burda, USA
ASN Councilor, Dianna Hynds, USA
ASN Councilor, Seema Tiwari-Woodruff, USA

ISN Council Elect, Arturo Ortega, Mexico

ASN Councilor, Bonnie Firestein, USA

PROGRAM COMMITTEE & LOCAL HOST COMMITTEE

Program Committee-ISN-ASN meeting 2025

Program Chair, Maria Abbracchio, Italy
Past-Program Chair, Cheah Pike See, Malaysia
ISN President, Caroline (Lindy) Rae, Australia
ISN Treasurer, Alessandro Prinetti, Italy
ISN Secretary, Babette Fuss, USA
ASN Treasurer, Steven Barger, USA
ASN Secretary, Donna Osterhaus, USA
ASN President, Michael Nichols, USA
JNC EiC, Andrew Lawrence, Australia
Christian Gonzales-Billaut, Chile
Jessica L. MacDonald. USA

Sergio Ferreira, Brazil Astrid Cardona, Canada Michael Kreutz, Germany Kenji Tenaka, Japan Shengzhou Wu, China Shane Liddelow, USA Mychael Lourenco, Brazil Eugenio Barone, Italy Alfred Njamnshi, Cameroon Selva Baltan, USA

Local Host Commitee

Chair, Haesun Kim Caroline (Lindy) Rae Alessandro Prinetti Babette Fuss Karen Chandross Peter Canoll Holly Colognato Bonnie Firestein Peng Jiang Steven Levison Shane Liddelow Carmen Melendez

Hiroko Nobuta Eliana Scemes David C. Spray Randy Stout Ching-On Wong



ISN-ASN-2025 WELCOME LETTER

We are pleased to welcome you to ISN-ASN 2025, the joint meeting of the International Society for Neurochemistry (ISN) and the American Society for Neurochemistry (ASN), held in of New York, one of the most diverse and vibrant cities in the world, known for its iconic landmarks, bustling streets, and multicultural neighborhoods.

We are excited to get together with colleagues, long known and newly to be discovered, from around the world to share the latest advances in neurochemistry. This meeting offers an engaging and cutting-edge scientific program that reflects the versatility, innovation, and depth of our field.

Across four days of lectures, symposia, workshops, and poster sessions, ISN-ASN 2025 brings together established leaders and emerging scientists to exchange ideas, explore new directions, and spark collaborations that will shape the future of our discipline. Our commitment to nurturing the next generation is reflected in the Emerging Group Leaders Symposia, Young Members' Symposia, Young Scientist Lectureship Awards, and interactive poster sessions platforms that highlight exceptional work from talented researchers at various levels of early career stages.

It is our mission to continue to foster neurochemistry research, open collaboration, international dialogue, and a shared commitment to scientific progress. This meeting stands as a powerful expression of that commitment—bringing together minds from across the globe to learn, connect, and reaffirm the essential role of science an instrument of social progress and peace.

Outside the lecture halls, we invite you to enjoy the rich cultural and social offerings of New York City. We hope that the connections you make here, both scientific and personal, will be lasting and impactful.

Thank you for being part of ISN-ASN 2025. We wish you a stimulating, rewarding, and enjoyable meeting.



Maria Abbracchio (Program Chair)



Caroline (Lindy) Rae (ISN President)



Haesun Kim (Local Host Chair)



Michael Nichols (ASN President)



NEW YORK CITY, USA AUGUST 19-22, 2025



WELCOME MESSAGE FROM MAYOR



THE CITY OF NEW YORK OFFICE OF THE MAYOR NEW YORK, NY 10007

August 19, 2025

Dear Friends:

It gives me great pleasure to welcome everyone to New York City as the International Society for Neurochemistry (ISN) and the American Society for Neurochemistry (ASN) host their annual meeting.

New York has always been at the forefront of progress in the fields of medicine, science, and technology. This week's conference at Manhattan's Javits Center will feature networking events, expert speakers, panel discussions, and specialized sessions where academics, scientists, and graduate students from around the world can exchange knowledge, learn more about the latest advancements and concepts, and foster a spirit of unity and support within the vital discipline of neurochemistry. I applaud the organizers and participants of this comprehensive symposium for their efforts to advance understanding of the brain and nervous system through education, partnerships, and research. Together, we will continue to #GetStuffDone and ensure that our great city remains a global hub of discovery and innovation.

On behalf of the City of New York, please accept my best wishes for an inspiring and productive convention and further success.

Sincerely,

Eric Adams Mayor

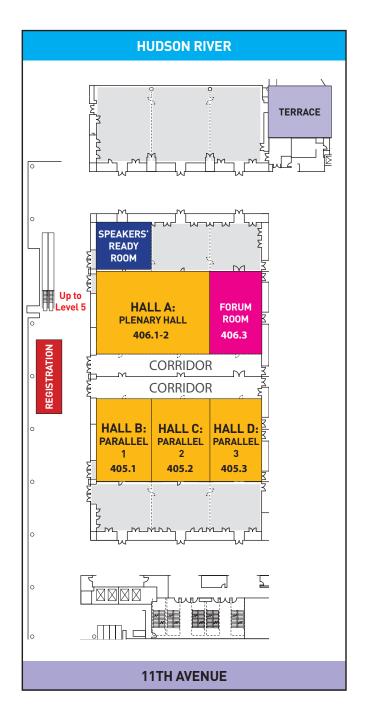
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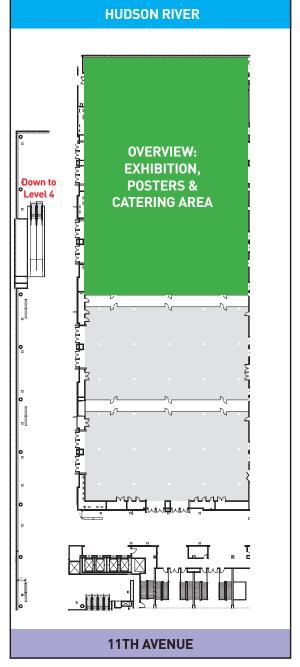


VENUE FLOOR PLAN

LEVEL 4

LEVEL 5







ISN-ASN 2025 MOBILE APPLICATION

Application Name: Event App by EventsAIR



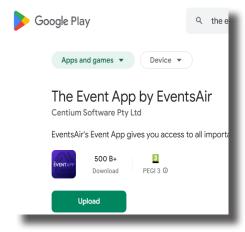
Download from IOS/App Store



Download from Android/Google Play



Please download the application to your mobile phone.



Please download the application to your mobile phone.

The event code is isnasn25

To login the mobile app, please use the credentials that have been sent to you via e-mail before the meeting

NEW YORK CITY, USA AUGUST 19-22, 2025



GENERAL INFORMATION

MEETING VENUE

North Javits Center 445 11th Avenue, New York City Website: www.javitscenter.com

Javits Area Guide: https://www.business.nyctourism.com/meeting-planners/javits-area-guide

LANGUAGE

The official language of the Meeting is English.

REGISTRATION DESK HOURS

18 August 2025, Monday	14:00 – 16:00
19 August 2025, Tuesday	08:00 – 19:00
20 August 2025, Wednesday	08:00 - 17:00
21 August 2025, Thursday	08:15 - 13:00
22 August 2025, Friday	08:45 - 14:00

SPEAKERS READY ROOM HOURS

19 August 2025, Tuesday	08:00 – 17:00
20 August 2025, Wednesday	08:00 – 17:00
21 August 2025, Thursday	08:00 – 13:00
22 August 2025, Friday	08:30 - 16:30

POSTER VIEWING AND PRESENTATION TIMES

19 August 2025, Tuesday

11:00 – 11:30 Posters Viewing A&B (Coffee Break)

17:00 - 19:00 Posters Session A

20 August 2025, Wednesday

11:00 – 11:30 Posters Viewing A&B (Coffee Break)

17:30 – 19:30 Poster Session B

21 August 2025, Thursday

10:30 – 11:00 Poster Viewing A&B (Coffee Break)

22 August 2025, Friday

11:00 – 11:30 Poster Viewing A&B (Coffee Break)

NAME BADGES

All participants and exhibitors are requested to wear their name badges throughout the Meeting to be admitted to the lecture halls and scheduled activities. There will be badge scanning to enter all sessions.



GENERAL INFORMATION

PHOTOGRAPHY IN SCIENTIFIC SESSIONS AND POSTER PRESENTATIONS

Photography in scientific sessions, in poster presentations, and of any scientific information is strictly **forbidden**. Any photos taken will be deleted. We reserve the right to ask the unofficial photographer to leave the meeting venue.

There will be an official photographer throughout the meeting; these pictures will be published.

WIFI

Free WIFI is available to meeting participants in public areas and in the Exhibition Area.

USERNAME: ISN2025 **PASSWORD**: NewYork2025

MOBILE APP

There will be an official ISN-ASN 2025 app that will allow participants:

- Navigate the meeting program
- Customize your own schedule
- Post to social media accounts
- Follow meeting news as well as see the posts from other meeting attendees

You may download the app from IOS/App Store or Android/ Google Play through the below QR codes:



Download from IOS/App Store



Download from Android/Google Play

The event code for the mobile application **isnasn25**. To login to the mobile app, please use the credentials that have been sent to you via e-mail before the meeting.

ABSTRACTS

Abstract titles and allocations will be accessible and searchable to all delegates through the Abstract Book on the ISN Website.

ONLINE JOURNAL PUBLICATION

The Abstracts from the meeting will be published in a supplement of the Journal of Neurochemistry (JNC).

COFFEE BREAKS

Coffee, tea, and light refreshments will be served to all participants in the Exhibition and Poster Area on **Level 5** as indicated in the timetable.



NEW YORK CITY, USA AUGUST 19-22, 2025



GENERAL INFORMATION

REGISTERED PARTICIPANT ATTENDANCE POLICY

All event activities (including scientific sessions, meal functions, exhibit hall, etc.) are exclusively reserved for registered attendees. Non-registered guests are not allowed in any of the event areas. An exception will be made for young children; they will need to get a child-guest badge at the registration desk and must be accompanied by an adult all the time. Badges provided at registration are required for entrance into all functions and will be strictly enforced.

SOCIAL GUEST ATTENDANCE POLICY

Social Guests may attend the Welcome Reception and the Farewell Celebration only. They are not allowed to enter scientific sessions including poster sessions. Badges provided at registration are required for entrance into all functions and will be strictly enforced.

LIABILITY AND INSURANCE

The Meeting Secretariat and Organizers cannot accept liability for personal accidents or loss of or damage to private property of participants. Participants are advised to take out their own personal travel and health insurance for their trip.

ISN-ASN 2025 MEETING SECRETARIAT



ISN-ASN Meeting Office: ISN Secretariat Office

Contact: secretariat@neurochemistry.org Website: www.neurochemistry.org



INFORMATION FOR PRESENTERS

ORAL PRESENTATIONS

You are kindly requested to deliver your presentation at least **3 hours before** the start of your session (not before your individual talk) to the **Speakers' Ready Room**. If your presentation is early in the morning, you are strongly encouraged to deliver your presentation the day before in order to avoid the morning rush.

The presentation document must be prepared in **16:9 format**. Please bring your presentation on a **USB key**. Due to the networking system, the internet connection will not be available to download your presentation to the computers in Speakers' Ready Room.

If you are a Mac user and wish to use your own computer, you are obligated to **bring your** connection cable/adapter with you and notify the Speakers' Ready Room a day before your presentation.

Please refer to the Scientific Program for the date and time of your presentation.

POSTER PRESENTATIONS

Your poster should be displayed on the poster board with the abstract code you have received via email. The abstract codes can also be found in the program book.

- All posters will stay up for 4 days.
- Setup time starts at 07:30 on August 19, Tuesday. Please make sure you hang your poster by 17:00. Posters must be taken down on August 22, Friday between 15:00 and 17:00. Posters not taken down from the board on time will be discarded.
- Please prepare your poster on one sheet of Bristol board or laminated paper. Alternatively, presenters may display their material on several smaller sheets.
- The dimensions of the poster should not exceed 84 cm wide x 118 cm high (33 inches x 46 inches). The paper should be A0 size. Allocate the top of the poster for the title and authors.
- Poster m 206'811

84.10 cm

- The text, illustrations, etc should be bold enough to be read from a distance of two meters (six feet).
- Tacks and technical equipment will be available to hang the posters.

August 19, 2025, Tuesday

11:00 – 11:30 Posters Viewing A&B (Coffee Break)

17:00 - 19:00 Posters Session A

August 20, 2025, Wednesday

11:00 – 11:30 Posters Viewing A&B (Coffee Break)

17:30 – 19:30 Poster Session B

August 21, 2025, Thursday

10:30 – 11:00 Poster Viewing A&B (Coffee Break)

August 22, 2025, Friday

11:00 – 11:30 Poster Viewing A&B (Coffee Break)

15:00 – 17:00 Take down all posters

Authors are kindly requested to stand next to their poster boards, where possible, during the dedicated poster session viewing times. Authors are responsible for setting up and removing their posters. Posters not taken down from the board on time will be discarded



NEW YORK CITY, USA AUGUST 19-22, 2025



BUSINESS MEETINGS

ISN BUSINESS MEETING - WEDNESDAY, AUGUST 20, 16:30-17:30 | PLENARY HALL Please note that only ISN members can vote at Business Meeting

ASN BUSINESS MEETING - THURSDAY, AUGUST 21, 13:00-14:00 PLENARY HALL Please note that only ASN members can vote at Business Meeting

What is a Business Meeting and why should I attend as a member?

The Business meeting (also known as an Annual General meeting - AGM) is a crucial event for our society. During this meeting, we will discuss important matters concerning the operation, growth, and future direction of our society.

The business meeting provides an opportunity for all members to come together and actively participate in decision-making processes. We will present a comprehensive overview of our achievements, challenges, and financial performance over the past year. Additionally, key strategies and initiatives for the upcoming year will be shared, allowing everyone to contribute their valuable insights and ideas.

It is essential for each member to attend this meeting as your input and perspectives are vital to the success of our organization. Your attendance will not only enhance your understanding of the Society's current state but also enable you to have a direct impact on its future.

Both ISN and ASN look forward to engaging with their members at the Business Meetings.

Career Support Grant

Supports young ISN members with funds for research supplies, small equipment, or ISN conference travel, helping them grow their research and move towards independence.







ISN-ASN MEETING

NEW YORK CITY, USA AUGUST 19-22, 2025



MEETING PROGRAM

	Tuesday 19 August, 2025			
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3
08:45 - 09:15	Opening Ceremony			
09:15 -10:00	Plenary Session Chair: Caroline (Lindy) Rae PL01 Magdalena Götz (Germany) Heterogeneity of organelles in neural development, disease and repair			
	Emerging Group Leaders S01 Chair: Amadi Ihunwo Co-Chair: Delilah Hendriks (Netherlands) EGLS01-01 Federico Salas Lucia (USA) Thyroid Hormone Regulates Fetal Neurogenesis EGLS01-02 Delilah Hendriks (Netherlands) Novel human brain organoid models unravel progenitor behavior characteristics and preneoplasia susceptibility EGLS01-03 Evan Goldstein (USA) Pathogenesis and repair mechanisms of neonatal brain injury	EGLS02-03 Marina Garcia-Macia (Spain) Brain-to-brown fat crosstalk to modulate the symptoms of a neurodegenerative disease	Social regression: from a latent synaptopathy to an overt dysfunctions in multisensory social processing EGLS03-03 Rebecca San Gil (Australia) Modifying toxic TDP-43 aggregation in amyotrophic lateral sclerosis	Emerging Group Leaders S04 Chair: Ago Rinken Co-Chair: Alejandro Villarreal (Argentina) EGLS04-01 PASCHALIS THEOTOKIS (Greece) Synthetic Thyroid Hormone Analog DITPA Promotes Myelin Repair in Neuroinflammation EGLS04-02 Joana Margarida Silva (Portugal) The role of tau in the regulation of translational stress response and its importance for brain pathology EGLS04-03 Alejandro Villarreal (Argentina) Astrocyte response after cold injury in mice: new insights into tissue response to brain edema with focus on epigenetic mechanisms
11:00 - 11:30	11:00 - 11:30 COFFEE BREAK / POSTER SESSION A&B / EXHIBITION			

Plenary Lecture	Symposium	Emerging Group Leaders
Young	Young	Business
Members Symposia	Scientist Lectureship	Meetings



ISN-ASNMEETING

NEW YORK CITY, USA AUGUST 19-22, 2025



MEETING PROGRAM

	Tuesday 19 August, 2025			
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3
11:30 - 13:30	S04 T#5 Maternal Immune Activation and the Embryonic Brain Development Chair: Eduardo Bouth Sequerra (Brazil) S04-01 Maria Lehtinen (United States) Contributions of the choroid plexus and cerebrospinal fluid to maternal immune activation in developing brain S04-02 Xianhua Piao (United States) Microglial mechanism of interneuron development and deficit S04-03 Hiroake Wake (Japan) Microglia in psychiatric pathology with maternal infection S04-04 Eduardo Bouth Sequerra (Brazil) Exchange of maternal immune cells and embryonic neural cells in the congenital zika virus syndrome	Parkinson's disease Chair: Anna Carta (Italy) Co-Chair: Marina Romero-Ramos (Denmark) S02-01 Marina Romero-Ramos (Denmark) The peripheral immune profiles in Parkinson's disease: relevance of disease subtypes and stages S02-02 Caroline Williams-Gray (United Kingdom) Neuroinflammation and dementia risk in Parkinson's desease S02-03 Anna Carta (Italy) Central and peripheral immune responses to alpha-synuclein oligomers S02-04 Lucas Salas (United States) Dysregulated Immune Responses in the Periphery of Early-Stage Parkinson's Disease: Insights from a Molecular Epidemiologist	Emerging approaches to translate neurological disease mechanisms to the clinic Chair: Lisa Marie Julian (Canada) Co-Chair: Tim Hammond (United States) S03-01 Tim Hammond (United States) Unraveling the role of neuroinflammation in neurodegenerative disease using human iPSC tri-cultures S03-02 Omer Bayraktar (United Kingdom) Mapping the rules of glioblastoma using single cell and spatial genomics S03-03 Joao Pereira (United States) Organoid models of ALS S03-04 Lisa Marie Julian (Canada) Modeling neurodevelopmental onset of rare genetic diseases with region-specific brain organoids	S01 T#15 Pain, Emotion, and Drugs: Short-Circuiting the Nervous System Chair: Tuan Trang (Canada) Co-Chair: Giannina Descalzi (Canada) S01-01 Giannina Descalzi (Canada) Sex-specific astrocyte dependent neuroplasticity of the cingulate cortex is critical for the development of chronic pain S01-02 Michelle Roche (Ireland) Neuroimmune crosstalk in stress- induced hyperalgesia S01-03 Xiaoke Chen (United States) Deconstruction of a spinal-brain- spinal circuit drives chronic mechanical pain S01-04 Tuan Trang (Canada) Opioid medications alter locus coeruleus to spinal cord circuitry
13.30 - 13.00		201101		

Plenary Lecture	Symposium	Emerging Group Leaders
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ISN-ASNMEETING

NEW YORK CITY, USA AUGUST 19-22, 2025



MEETING PROGRAM

	Tuesday 19 August, 2025			
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3
15:00 - 17:00	S06 T#4 Beyond adapter functions- tRNA and tRNA fragments in the CNS Chair: Katarzyna Winek (Germany) Co-Chair: Hermona Soreq (Israel) S06-01 Schahram Akbarian (United States) Regulation of glycenergic tRNAs, CNS glycine metabolism and its impact on behavior S06-02 Jochen Prehn (Ireland) Role of tranfer RNA fragements in epilepsy and ALS S06-03 Hermona Soreq (Israel) Transfer RNA fragments - molecular regulators in AD and PD S06-04 Katarzyna Winek (Germany) Small noncoding RNAs as fine- tunters of post-stroke immune response	S05 T#9 Advanced experimental cellular in vivo models of neurodegeneration Chair: Vincenzo De Paola (Singapore) S05-01 Florent Ginhoux (Singapore) Microglia-sufficient cerebral organoids to study neurodegeneration in Alzheimer's disease S05-02 Katerina Akassoglou (United States) Functional role of BBB disruption in inflammation and neurodegeneration S05-03 Vincenzo De Paola (Singapore) Illuminating human cortical circuit wiring and dysfunction in vivo S05-04 Li Gan (United States) Targeting neuroimmune interaction in neurodegeneration	S07-03 Mark Dell' Acqua (United States) Kinase/phosphatase regulation of Ca2+-permeable AMPA receptors in amyloid-β-induced synaptic dysfunction S07-04 Elena Blanco-Suarez (United States) Astrocyte-mediated AMPAR synaptic distribution in response to ischemic injuries	S08 T#10 Molecular Disease Mechanisms of Motor Neuron Disease Chair: Jeroen Pasterkamp (Netherlands) Co-Chair: Christine Vande Velde (Canada) S08-01 Jeroen Pasterkamp (Netherlands) Molecular mechanisms of repeat expansions in amyotrophic lateral sclerosis S08-02 Sami Barmada (United States) Origins and consequences of TDP43 mislocalization in disease S08-03 Stefania Corti (Italy) Modelling SMA and ALS using iPSC- derived organoid models S08-04 Christine Vande Velde (Canada) Stress granules and protein aggregation in motor neuron disease
17:00 - 19:00			Session A Reception	
19:00 - 20:00		weicome	песериоп	

Plenary Lecture	Symposium	Emerging Group Leaders
Young	Young	Business
Members Symposia	Scientist Lectureship	Meetings



ISN-ASNMEETING

NEW YORK CITY, USA AUGUST 19-22, 2025



	Wednesday 20 August, 2025			
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3
08:45-09:30	Plenary Session PL02 Ana Belen Elgoyhen (Argentina) Chair: Michael Nichols The Brain Speaks Back to the Ear:			
	The Efferent Olivocochlear System			
09:30 - 10:00	JNC Young Scientist Paper of the Year Award (In Honor of Mark A. Smith) Chair: Andrew Lawrence MS01-01 Deniz Karabag (Germany)			
10:00 - 11:00	YMS01 Young Members Symposia Chair: Constanze Seidenbecher Co-Chair: Isadora Matias (Brazil) YMS01-01 Rimpi Arora (India) Embelin Counters Amyloid-β Neurotoxicity, Preserves Cognitive Function in Rats: Investigating Hippocampal Neurochemical Mechanisms YMS01-02 Pablo Leal Cardozo (Brazil) NEGR1 gene expression modulation in APPSWE cortical brain organoids as a potential therapeutic strategy for Alzheimer's Disease YMS01-03 Isadora Matias (Brazil) Senescent Astrocytes Contribute to Age-Related Synaptic Decline: Insights from Mouse and Human Aging Models YMS01-04 Samson Ehindero Olurunnado (Rwanda) Trans-Cinnamaldehyde Mitigates Neurodegenerative Changes in the cerebrum of Insulin-Resistant Wistar Rats	Chair: Akio Wanaka Co-Chair: Sunil Jamuna Tripathi (USA) YMS02-01 Sunil Jamuna Tripathi (USA) Neuroprotective effects of aminopropyl carbazole compound in Huntington's disease YMS02-02 Giovanna Carello- Collar (Brazil) A RELN POLYMORPHISM REDUCES TAU PATHOLOGY AND SLOWS COGNITIVE DECLINE IN LATE-ONSET ALZHEIMER'S DISEASE YMS02-03 Matthew D Demmings (Canada) ATF4 promotes dopaminergic neurodegeneration via a transcriptional program that inhibits mTOR activity in Parkinson's models YMS02-04 Beatriz Elizabeth Nielsen (USA) Alterations in M4-cholinergic signaling following dopamine loss contribute to parkinsonian and L- DOPA-induced dyskinetic behaviors	YMS03 Young Members Symposia Chair: Christian Gonzales Billault Co-Chair: Rui S RODRIGUES (France) Dawn Brianna Lammert (USA) - YMS 03-01 Neurotransmitter metabolism after neonatal brain injury Nathan Strogulski (Ireland) - YMS 03-02 NADPH oxidase (NOX2) drives immunometabolic reprogramming of microglial pentose-phosphate pathway after traumatic brain injury. Melania González-Torres (Spain) - YMS 03-03 Dissecting the role of an antiviral immune response in a mouse model of Mitochondrial Neuropathology Rui S RODRIGUES (France) - YMS 03- 04 Striatopallidal cannabinoid type-1 (CB1) receptors determine innate defensive behaviors	YMS04 Young Members Symposia Chair: Cheah Pike See Co-Chair: Cecilia Skoug (UK) Serafma Dubnov (Israel) - YMS04-01 A cell type atlas of short non-coding RNA from live human brain Wasiu Gbolahan Balogun (USA) - YMS04-02 Plasma p-tau217 for early detection of amyloid pathology in older adults without impairment: evidence from community-based studies Cecilia Skoug (UK) - YMS04-03 Hypophagia-related behaviours elicited by PPG neuron activation William N. Sanchez Luna (USA) - YMS04-04 Heteromers of µ-opioid receptor and CRF1 receptor control glutamatergic transmission in the central amygdala
11:00 - 11:30		COFFEE BREAK / POSTER S	ESSION A&B / EXHIBITION	
11.00-11.30		COFFEE BREAK/ POSTERS	LOSION AGD / EXHIBITION	

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Plenary Lecture	Symposium	Emerging Group Leaders
Young	Young	Business
Members Symposia	Scientist Lectureship	Meetings



ISN-ASN MEETING

NEW YORK CITY, USA AUGUST 19-22, 2025



MEETING PROGRAM

	Wednesday 20 August, 2025				
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3	
11:30 - 13:30	S09 T#9 New mechanisms and therapeutic approaches to enhance remyelination Chair: Davide Lecca (Italy) Co-Chair: Jennifer Orthman Murphy (United States) S09-01 Davide Lecca (Italy) Targeting the oligodendroglial receptor GPR17 to counteract remyelination failure S09-02 Wia Baron (Netherlands) Astrocytes as novel therapeutic targets to overcome remyelination failure in multiple sclerosis S09-03 Jason R Plemel (Canada) A diverse microglial response facilitates remyelination S09-04 Jennifer Orthmann Murphy (United States) Restoring cortical function after remyelination	S10 T#7 New roles of synaptic plasticity in brain function Chair: Antonio Rodriguez-Moreno (Spain) S10-01 Antonio Rodriguez-Moreno (Spain) Spike timing-dependent plasticity changes during critical periods of plasticity S10-02 Aušra Saudargienė (Lithuania) Rescue of impaired hippocampal synaptic plasticity in Alzheimer's disease: integration of experimental knowledge and computational modeling approach S10-03 Jeehyun Kwag (Korea) Inhibitory memory engrams shaped by synaptic plasticity S10-04 Alfonso Araque (United States) Long-term potentiation and astrocytes	S11 T#13 Lipids in the Brain: Implications for Normal and Pathological Brain Function Chair: Nicolas Vitale (France) Role of early life n-3 PUFA in postnatal brain development, effects on spines and microglia S11-02 Nicolas Vitale (France) Illuminating neurosecretion: Optogenetic and click chemistry insights highlighting the multiple roles of phosphatidic acid in neurotransmitter release S11-03 Maria loannou (Canada) Peroxidated lipid trafficking in Alzheimer's disease S11-04 Gilbert Di Paolo (United States) Role of brain lipid dysregulation in neurodegenerative diseases	S12 T#4 Synaptic proteostasis in health and disease Chair: Emma Clayton (United Kingdom) Co-Chair: Paul Donlin-Asp (United Kingdom) S12-01 Paul Donlin-Asp (United Kingdom) Resolving the localization and dynamics of mRNA and protein synthesis within neurons S12-02 Eran Perlson (Israel) Dissolving ALS, the interplay between axonal transport and local synthesis S12-03 Emily Osterweil (United States) Fragile X: Make it or Break it S12-04 Emma Clayton (United Kingdom) Presynaptic proteostasis as a convergent pathomechanism in ALS/FTD	
13:30 - 14:30		LUNCH	I BREAK		

Plenary Lecture	Symposium	Emerging Group Leaders
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ISN-ASNMEETING

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	Wednesday 20 August, 2025				
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3	
14:30 - 16:30	S13 T#10 Molecular and Cellular Mechanisms for Stress-related Memory and Psychiatric Disorders Chair: Satoshi Kida (Japan) Co-Chair: Andrew Holms (United States) S13-01 Satoshi Kida (Japan) Molecular and cellular mechanisms for PTSD S13-02 Paul Frankland (Canada) Microglia-dependent regulation of fear memory extinction S13-03 Andrew Holmes (United States) Evidence from clinical and preclinical studies show that endocannabinoids modulate extinction S13-04 Anna Beyeler (France) Long-term impact of early life stress on anxiety-related behaviors and synaptic plasticity in the insular cortex	S14 T#4 Ectodomain shedding, an emerging mechanism involved in the pathophysiology of brain disorders Chair: Mª Dolores Martín-de-Saavedra Alvarez de Uribarri (Spain) Co-Chair: Peter Penzes (United States) S14-01 Mª Dolores Martín-de-Saavedra Alvarez de Uribarri (Spain) Ectodomain shedding and neurodevelopmental conditions S14-02 Katherine Roche (United States) Downstream Signaling Resulting from the Activity-Dependent Cleavage of NLGN3 S14-03 Isabel Martinez Garay (Spain) Proteolytic Processing and Nuclear Signaling of PCDH19 in Cortical Neurons S14-04 Peter Penzes (United States) Synaptic sheddome in schizophrenia: from mechanisms to therapies	S22 T#5 Novel mechanisms of olfactory bulb neurogenesis in development, adulthood and disease Co-Chair: Armen Saghatelyan (Canada) S22-01 Kara Goodkey (Canada) Olfactory bulb anomalies in a rare neurodevelopmental KBG syndrome mouse model and patients S22-02 Fiona Doetsch (Switzerland) On-demand adult neurogenesis for adaptive brain plasticity S22-03 Armen Saghatelyan (Canada) Neural stem cells dynamics in response to micro-environmental cues S22-04 Mariana Alonso (France) Cortical feedback control of adultborn neurons in olfaction	S16 T#2 Spatiotemporal dynamics of glutamate and GABA signalling among neurons and astrocytes Chair: Dmitri Rusakov (United Kingdom) Co-Chair: Annalisa Scimemi (United States) S16-01 Annalisa Scimemi (United States) Extrasynaptic glutamate shapes synaptic inhibition in the hippocampus and striatum S16-02 Dmitri Rusakov (United Kingdom) Distinct dynamics of extracellular glutamate and GABA in response to sensory stimuli S16-03 Sarah Ackerman (United States) Neuronal activity-dependent changes in astrocyte morphology and function S16-04 Christian Henneberger (Germany) Bidirectional dysregulation of glutamate signaling after transient metabolic failure	
16:30 - 17:30	ISN Annual Business Meeting				
17:30 - 19:30	Poster session B				

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Plenary Lecture	Symposium	Emerging Group Leaders
Young	Young	Business
Members Symposia	Scientist Lectureship	Meetings



ISN-ASNMEETING

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		Thursday 21 Augus	st, 2025	
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3
08:45 - 09:30	Plenary Session Chair: Haesun Kim PLO3 Eric Nestler (United States) Transcriptional and Epigenetic Mechanisms of Drug Addiction			
09:30 - 10:00	ASN Awards Ceremony			
10:00 - 10:30		ISN Young Scientist Lectureship 01 Chair: Babette Fuss YSLA01 Liubov Kalinichenko (Germany) Brain acid sphingomyelinase — a sex- specific mechanism for drug addiction		ISN Young Scientist Lectureship 02 Chair: Vladimir Parpura YSLA02 Carina Soares Cunha (Portugal) Dynamic dynorphin signals modulate associative learning through a nucleus accumbensventral tegmental area circuit
10:30 - 11:00		COFFEE BREAK / POSTER S	ESSION A&B / EXHIBITION	
11:00 - 13:00	S19 T#13 Novel roles of lipids in the brain: from dynamic compartmentation to memory and beyond Chair: Nina Vardjan (Slovenia) Co-Chair: Mary C. McKenna (United States) S19-01 Neal Devaraj (United States) Innovative Bioconjugation Techniques Developed to Study Lipids and Lipid Modifications within Living Cells S19-02 Natsumi Ageta-Ishihara (Japan) Lipidation States Orchestrate CLICK-III/CaMKIy's Stepwise Association with Golgi and Rafts-Enriched Membranes, and Specify its Functional Coupling to STEF-Rac1-Dependent Neurite Extension S19-03 Frederic Andre Meunier (Australia) Greasing the wheel of memory via a novel phospholipase A1 pathway S19-04 Nina Vardjan (Slovenia) Lipid Droplets: a Hallmark of Astrocyte Stress Response	S18 T#6 Novel Aspects of Brain Glycogen: Exploring its Physiological and Pathological Roles Chair: Jordi Duran (Spain) S18-01 Matthew Gentry (United States) Metabolic channeling of glycogen and signaling monosaccharides in the brain S18-02 Juan Pascual (United States) Synaptic activity in glucose metabolism failure S18-03 Alicia Garcia (Spain) Decoding brain glycogen metabolism in POMC neurons: implications for energy and glucose homeostasis and beyond S18-04 Jordi Duran (Spain) Lessons learned from Lafora disease: role of glycogen metabolism in GABAergic neurons in epilepsy	S17 T#11 Neurochemistry of Extracellular Vesicles Chair: Andrew Hill (Australia) S17-01 Andrew Hill (Australia) Role of Extracellular Vesicles in the nervous system S17-02 Efrat Levy (United States) A new perspective on the role of mitovesicles, mitochondria-derived extracellular vesicles in Alzheimer's disease S17-03 Eva-Maria Krämer-Albers (Germany) EVs in oligodendrocyte-neuron communication and axonal maintenance S17-04 Christian Neri (France) Extracellular vesicles remodeling in the context of chronic neurodegenerative insults: new insights from the study of Huntington's disease	S20 T#4 Redox protein modifications, calcium signals and synaptic plasticity in Alzheimer's disease and other neurological disorders Chair: Andrea Paula-Lima (Chile) Co-Chair: Rodrigo Herrera-Molina (United States) S20-01 Rodrigo Herrera-Molina (United States) Calcium signaling and Neuroplastin in retrograde amnesia and Neuropsychiatric Diseases S20-02 Christian Gonzalez-Billault (Chile) Aging and redox modifications in synaptic components as biomarkers of cognitive status in Alzheimer's disease S20-03 Rogerio Panizzutti (Brazil) Deregulation of excitatory neurotransmission in Alzheimer's disease S20-04 Andrea Paula-Lima (Chile) Redox modulation and contribution of ryanodine receptors to synaptic plasticity and spatial memory defects in Alzheimer's disease
13:00 - 14:00	ASN Annual Business Meeting			
20.00 24.00		FREE AFTERNOON	I	I

Lead	end:

Plenary Lecture	Symposium	Emerging Group Leaders
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Time Hall A - Plenary Hall Hall B - Parallel 1 Hall C - Parallel 2 Hall D - Parallel 2	
Plenary Session Chair: Alessandro Prinetti 09:15 - 10:00 PL04 Eunjoon Kim (Republic of Korea) Synaptic dysfunction in autism spectrum disorders	
Marte Vogt Lecture Chair: Mariapia Abbracchio MVL01 Ana Maria Cuervo (United States) Selective autophagy and brain resilience to neurodegeneration	
11:00 - 11:30 COFFEE BREAK / POSTER VIEWING A&B / EXHIBITION	
S21 T#14 Controlling neurotransmitter receptors in behaving mice: new photochemical and chemogenetic advances Chair: Alexandre Mourot Mourot (France) S21-01 Matthew Banghart (United States) Advantages of using photopharmacology to study the mechanisms of fug action in vivo S21-02 Wenjing Wang (United States) Opto- and chemogenetic tools for monitoring and modulating G protein-coupled receptor activity S21-03 Michael Tadross (United States) DART.2: Bidirectional Synaptic Pharmacology with Thousandfold Cellular Specificity S21-04 Alexandre Mourot Mourot (France) Optical and chemogenetic technologies for deconstructing nicotnic neuromodulation in mice	athogenesis of neration acra Paolicelli Idand) or dysfunctional th and disease acraso (Belgium) lation of human odegeneration ioate (United ess) or regulation of and their link to ease genetics Acrai (United om) ion of microglia
13:30 - 15:00 LUNCH BREAK	

Legend:

Plenary Lecture	Symposium	Emerging Group Leaders
Young	Young	Business
Members Symposia	Scientist Lectureship	Meetings



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MEETING PROGRAM

	Friday 22 August, 2025				
Time	Hall A - Plenary Hall 406.1-2	Hall B - Parallel 1 405.1	Hall C - Parallel 2 405.2	Hall D - Parallel 3 405.3	
15:00 - 17:00	S25 T#4 Inflammatory and Metabolic dysregulation in neurodegeneration and dementia Chair: Flavia Saravia (Argentina) Co-Chair: Róisín McManus (Germany) S25-01 Zoe Arvanitakis (United States) Relationship between metabolic disease and Alzheimer's disease S25-02 Stephanie Kullmann (Germany) Imaging the human brain to assess metabolic dysregulation S25-03 Róisín McManus (Germany) Sphingomyelin 14:0 – the link between obesity and neuroinflammation S25-04 Flavia Saravia (Argentina) Neuroprotection and Metformin in Alzheimer's disease context. A key role for glial autophagy	S26 T#3 Roles for T cell-glia interactions in CNS homeostasis and disease Chair: Jessica Williams (United States) Co-Chair: Brian Daniels (United States) S26-01 Brian Daniels (United States) Astrocyte-T cell crosstalk during viral encephalitis S26-02 Saskia Hemmers (United States) Novel roles for IL-1R family members in neuroinflammation S26-03 Jessica Williams (United States) T cell cytokine regulation of astrocyte function during CNS autoimmunity S26-04 Annelise Synder (United States) Defining mechanisms of innate immune dysfunction during brain metastasis	S27 T#2 Flowing Neurochemicals in the Brain Chair: Yulong Li (China) S27-01 Lin Tian (United States) Designs, applications and limitations of genetically encoded indicators in imaging neurotransmitters in vivo S27-02 Stephanie Cragg (United Kingdom) Axonal modulation of striatal dopamine transmission by neuronal and non-neuronal circuits S27-03 Lucy Palmer (Australia) Dynamics of dendritic signalling during learning S27-04 Pascal Kaeser (United States) Mechanisms and roles of neuromodulatory transmission	S28 T#5 Navigating Brain Development: Unveiling the Crucial Role of the Extracellular Matrix in Human Neurogenesis Chair: Orly Reiner (Israel) Co-Chair: Delilah Hendriks (Netherlands) S28-01 Carol Schuurmans (Canada) Proneural gene NEUROG2 activity is linked to extracellular matrix assembly in human cerebral organoids S28-02 Katherine Long (United Kingdom) Extracelluar Matrix in the Developing Human Brain S28-03 Orly Reiner (Israel) Altered Extracellular Matrix Structure and Elevated Stiffness in a Brain Organoid Model for Disease S28-04 Benedetta Artegiani (Netherlands) Human relevant organoid platforms to study ECM role during human brain development	
19:30 - 23:30		Farewell	Reception		

Plenary Symposium		Emerging Group	
Lecture		Leaders	
Young	Young	Business	
Members Symposia	Scientist Lectureship	Meetings	



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Time	FORUM ROOM
	S29 History Symposium
	The History of the International Societies for Neurochemistry
	Chair: Ralf Dringen (Germany)
Tuesday 19 August, 2025 15:00 - 17:00	S29-01 APSN: Akio Wanaka (Japan) The History of Asian-Pacific Society for Neurochemistry (APSN) S29-02 ASN: Anne Boullerne (United States) ASN: American Society for Neurochemistry for the American continent S29-03 ESN: Anthony Turner and Natalia Nalivaeva (United Kingdom) Celebrating 50 years of the European Society for Neurochemistry S29-04 ISN: Ralf Dringen (Germany) ISN: The International Society for Neurochemistry
	S30 Symposium in honor of Arne Schousboe and his contributions to Neurochemistry
	Chair: Mary C. McKenna (United States) Co-Chair: Jens Velde Andersen (Denmark)
Wednesday 20 August, 2025 11:30 - 13:30	S30-01 Mary C. McKenna (United States) Arne Schousboe: An extraordinary person, neurochemist and leader S30-02 Brian Klein (United States) Arne Schousboe''s contributions to our understanding of seizure control S30-03 Caroline (Lindy) Rae (Australia) Lactate in brain S30-04 Jens Velde Andersen (Denmark) Arne as a mentor and his contribution to brain disease research
	JNC Workshop
	Under the hood: what's been bubbling up at JNeurochem?
	Chair: Andrew Lawrence (Australia) Co-Chair: Alyson Fournier (Canada)
Wednesday 20 August, 2025	W01-01 Isaline Mees (Australia) An overview of JNC's focus, new initiatives, and author support. W01-02 Mychael Lourenco (Brazil)
14:30 - 16:30	Learn the process of submitting reviews and proposing special issue topics. W01-03 Nirma Perera (Australia)
	Explore the new Trainee Editor Program, how to apply, and its career benefits. W01-04 Tyler Wenzel (Canada)
	Get insights into the Fundamental Neurochemistry Reviews and the Trainee Merit Award application process, and their positive impact on early-career researchers.
	W01-05 Daniel Gospodinov (Bulgaria) Strategies for effectively communicating your research for greater impact.
Thursday 21 August, 2025 11:00 - 13:00	ECDC / YSSC Neural Networking Event

Laboratory Exchange Grant

Funds lab visits abroad for Student and Postdoc members to gain new skills or knowledge, encouraging global exchange and supporting their research and home institutions upon return.







A01 - Gene regulation & genetics

A02-02

- A01-01 Gene alterations and Expression of Neuronal, Glial and Olfactory Markers in the Post-Mortem Olfactory Bulb in Parkinson's Disease Cecilia Tremblay
- A01-02 Modulation of GRN Expression via Crisprdcas9 in Ipsc-Derived Astrocytes and Microglia-Like Cells From Patients With Schizophrenia
 Juliana Lacerda

A02 - Signal transduction & synaptic transmission

- A02-01 Oscillation Frequency-Based Modulation of the Prelimbic Cortex by Low-Intensity Focused Ultrasound: Impact on Mesolimbic Dopamine Greatness Olaitan
- Jan Jakubík

 A02-03 Signaling Mechanisms of Dscam2 in Restricting Dendritic Field Expansion of Visual Neurons

KH-5 is a PAM-Antagonist of Muscarinic Acetylcholine Receptors

- A02-04 Calcium and Voltage Imaging Determinants of Plateau Depolarizations in Spontaneously Active Neurons Katarina Milicevic
- A02-05 Activation of the B2-Adrenoceptor Induces Calcium-Dependent Exocytosis at the Neuromuscular Junction in a Sex-Specific Manner Kivia Santos

A03 - Neuroinflammation & neuroimmunology

Joseph Oyewale

- A03-01 Caveolin-1 Deficient Mice Are Protected From Blood-Brain Barrier Permeability and Cognitive Impairment in a Mouse Model of Longcovid Ali A. Almousawi
- A03-02 Investigating the Immune Responses to Cryptococcus neoformans in Human Cortical Organotypic Brain Slices
 Anja de Lange
- A03-03 A Comparison of Surface Topography Structure to Tissue Function in Mouse Model of Colitis Anna Mienko
- A03-04 Extra Virgin Olive Oil Supplementation Attenuates Hippocampal Inflammation of Obese Animals With a Depressive Phenotype
 Ariadni Peres
- A03-05 Targeted Drug Delivery in Guillain-Barré Syndrome Chanpreet Kaur
- A03-06 Direct Intracellular Interactions Between Amyloid-B Protofibrils and NLRP3 Inflammasome Proteins Cristina Sinobas Pereira



A03-07	Ultrastructural Characterization of Microglia/Macrophages in Adult Female Mice at 14 and 28 Days After Spinal Cord Injury Fernando González Ibánez	
A03-08	Antigen-Specific CD4+ T Cell Responses Are Beneficial During Staphylococcus aureus Craniotomy Infection Gunjan Kak	
A03-10	Abca7 Lof Microglia Lose Their Phagocytic Ability and Reactive Profile in a Humanized Model of AD Jessie Premereur	
A03-11	The Role of Immune Oligodendroglia in CNS Demyelination and Remyelination Jingwen Hu	
A03-12	Polyphenols Derivatives With Anti-Inflammatory Properties: Synthesis, Biological Evaluation, ADMET Prediction and SAR Analysis Johant Lakey-Beitia	
A03-13	Assessing Macrophage Inflammation and Expression of Neurotransmitter Machinery in Patients With Comorbid HIV and Depression John Montilla	
A03-14	Modulating NF-kB Pathway After Treatment With Quercetin and Luteolin in a Healthy Aging and Age-Related Neurodegeneration Afees John Olanrewaju	
A04 - Molecular basis of disease		
A04 - Mol	ecular basis of disease	
A04 - Mol A04-01	ecular basis of disease Impact of Thyroid Hormone Transporters Mct8/Oatp1c1 on Hippocampal Neurotransmission and Seizure Susceptibility Andrea Alcaide Martin	
	Impact of Thyroid Hormone Transporters Mct8/Oatp1c1 on Hippocampal Neurotransmission and Seizure Susceptibility	
A04-01	Impact of Thyroid Hormone Transporters Mct8/Oatp1c1 on Hippocampal Neurotransmission and Seizure Susceptibility Andrea Alcaide Martin LRRC8A-Containing Volume Regulated Anion Channels Promote Glioblastoma Proliferation via a WNK1/Mtorc2-Dependent Mechanism	
A04-01	Impact of Thyroid Hormone Transporters Mct8/Oatp1c1 on Hippocampal Neurotransmission and Seizure Susceptibility Andrea Alcaide Martin LRRC8A-Containing Volume Regulated Anion Channels Promote Glioblastoma Proliferation via a WNK1/ Mtorc2-Dependent Mechanism Antonio M. Fidaleo Oxysterol-Mediated Activation of Tgfβ Pathway in Hypercholesterolemia: Impact on Brain Integrity and Visual Health	
A04-02 A04-03	Impact of Thyroid Hormone Transporters Mct8/Oatp1c1 on Hippocampal Neurotransmission and Seizure Susceptibility Andrea Alcaide Martin LRRC8A-Containing Volume Regulated Anion Channels Promote Glioblastoma Proliferation via a WNK1/Mtorc2-Dependent Mechanism Antonio M. Fidaleo Oxysterol-Mediated Activation of Tgfβ Pathway in Hypercholesterolemia: Impact on Brain Integrity and Visual Health Ashmita Das Agomelatine-Mediated Neuroprotection in a Chronodisrupted Rat Model: Modulation of Oxidative Stress and Autophagy	



A04-07	Investigating the Role of Microglial PERK in Memory and Behavior in Mice Beatriz Wagner
A04-08	Carnosine Alters Astrocyte Homeostasis Belisa Parmeggiani
A04-09	Nf1 Exon 51 Skipping in Primary Neurons Reveals Novel Properties of Neurofibromin Isoforms in Cytoskeleton Dynamics Charoula Peta
A04-10	Characterization of a Novel Mouse Model to Track Extracellular Vesicles In Vitro and In Vivo Erhard Bieberich
A04-12	Protein Expression in the Corpus Callosum Associated With Chronic Alcohol Use: A Multi-Level Biological Network Analysis Felipe Borges Almeida
A04-13	Optimization of Donepezil and Yukmijihwang-Tang Combination Ratio Using Response Surface Methodology Gunhyuk Park
A04-14	Investigating the Mechanism Underlying Dysfunctional Synaptic Vesicle Recycling in a Mouse Model of Huntington's Disease Han Tan
A04-15	TAAR1 Activation Counteracts Amyloid-B-Induced Memory Impairment Ícaro Raony
A04-16	Risk for SARS-Cov2 Cell Entry Through ACE2 and TMPRSS2 is Not Increased in Alzheimer's Disease, Concerns About Down Syndrome Javier Saez-Valero
A04-17	Transmission of Lysosomal Pathology to Mitochondria in GBA1-Associated Parkinson's Disease Jimna Mohamed Ameer
A04-18	Characterising the Neuropeptide Landscape of the Postmortem Human Orbitofrontal Cortex Following Exposure to Early Life Adversity Katrina Z. Edmond
A04-19	Lysosomal Damage Response as a Protective Mechanism Against Protein Aggregate Propagation in Neurodegenerative Diseases Keita Kakuda

A05 - Brain development & cell differentiation

A05-01	Neuropilin-2 Maintains Apical Adhesion and Extracellular Matrix Stability to Support Spinal Commissural Progenitor Survival Adefemi Baderinwa
A05-02	Prenatal Valproate Exposure Affects Cortical Neurite Branching, Gabaergic Markers, and Motor Reflexes in the Rat Pups Denisa Mihalj



A05-03	Exploring SEMA-Gene Modulation to Unlock Potential Treatment Avenues for CHARGE Syndrome Therapies Federica Amoruso
A05-04	Interleukin-6 Elicits Distinct Behavioral ASD-Like Phenotypes When Increased Prenatally Versus Postnatally in Mice Fernando Janczur Velloso
A05-05	Purkinje Cell Development, Survival, and Adaptive Motor Behavior in Mice Require the Redundant Function of Small Gtpase Rab11a/B Jack DeLucia
A05-06	The Developing Mouse Dopaminergic System: Cortical-Subcortical Shift in Receptor Balance and Increasing Regional Differentiation Jee Hyun Kim
A05-07	Microkiss: The Beginning of a Story About Kisspeptin and Microglia Interaction in Sex-Specific Social Development Joao R. Neves
A05-08	Investigating the Role of Copper in Oligodendrocyte Myelination Johnathan Wong
A05-09	Apotransferrin Induce Accumulation of Lipid Droplets in Oli-Neu Mouse Oligodendroglial Cell Line Juana Pasquini
A05-10	Short and Long Term Effects of Early Ethanol Exposure on Glial Reactivity and Plasticity Julia Ferreira
A05-11	What is the Effect of Postnatal Exposure to Fluoxetine in Mice? Neurogenesis, Behavioral and Biochemical Changes Karen Stefani
A05-12	Importance of High-Density Microelectrode Arrays for Recording Extracellular Potential and Network Dynamics in Ipsc-Derived Neurons Karin Morandell

A06 - Bioenergetics & metabolism

A06-01	Decanoic Acid Ameliorates Neuroinflammatory Markers and Rescues Astrocyte Energy Metabolism in Models of AD Pathology Aishat Ameen
A06-02	Effects of Methylphenidate on Mitochondrial Dynamics and Bioenergetics Are Sex-Dependent in the Prefrontal Cortex of Juvenile Rats Alessandra Rieder
A06-03	Regulation of Mitochondrial Dynamics by Endocannabinoids as a Neuroprotective Mechanism In Vitro Ana Laura Torres Román
A06-04	Decreased Neuronal Activity Attenuates the Purine Nucleotide Cycle in the Brain Brennon Schofield



A06-05	Dietary Stressors Exacerbate the Impact of Antiretroviral Prophylaxis Use on the Brain Metabolome Cory White
A06-06	The Impact of Cypin Activation on NAD+ Metabolism, Mitochondrial Function, and Recovery After Mild Traumatic Brain Injury Courtney Stains
A06-07	Astrocytic Fatty Acid Synthase is Critical for Maintaining Reductive Potential and Lactate Levels in Hypoxic Brain Drew Seeger
A06-08	Sex-Associated Metabolic Alterations Underlying Brain Resilience and Pathogenesis in Alzheimer's Disease Eugenio Barone
A06-09	ATP Restoration by ATP-Deprived Cultured Primary Astrocytes Gabriele Karger
A07 - Neu	ronal plasticity & behavior
A07-01	Role of 5-HT2AR in Prefrontal Cortex Activity and Plasticity in Social Behavior Agostina Sacson
A07-02	Infant Maltreatment Alters Adrenal Glands, Stress Response and Behavior in Juvenile Rat Offspring Ailen Alba Colapietro
A07-03	Integrative Computations on Neuromodulation Alev Brigande
A07-04	The Role of Aticaprant, a Kappa-Opioid Receptor Antagonist, in Stresss-Induced Deficits and Synaptic Plasticity Alexandra Symeonof
A07-05	Beta2* Nicotinic Acetylcholine Receptors Expression in Prefrontal Cortex: Layer Specificity and Behavioural Outcomes Alice Abbondanza
A07-06	Role of Nicotinic Acetylcholine Receptors Expressed by Cholinergic Interneurons in the Control of Striatal Activity Amanda Rosanna Alves Barboza
A07-07	Representation of Appetitive and Aversive Stimuli in D1-and D2-Medium Spiny Neurons of the Nucleus Accumbens Shell Ana Verónica Domingues
A07-08	Unravelling Cannabidiol's Therapeutic Potential in Stress and Alzheimer´S Disease Brain Pathologies Anastasia Vamvaka-lakovou
A07-09	Bezafibrate Reduces Neural Abnormalities and Improves Memory but Does Not Affect Neuroinflammation after Hypoxia-Ischemia in Rats Andrey Vinicios Soares Carvalho



A07-10 Sex-Specific Long-Term Behavioral Effects of Caffeine Exposure During Pregnancy and Lactation in Mice Offspring Bruna da Silva Oliveira A07-11 The Indoleamine 2,3-Dioxygenase (IDO-1) Enzyme May Underlies the Development of Anxiety and Depressive-Like Behaviors After Mtbi Caroline Amaral Machado Beta2* Nicotinic Acetylcholine Receptors Expressed by Individual Prefrontal Populations Show Specific A07-12 Effects on Mouse Behavior Helena Janickova Exploring Synaptic Protein Dynamics in Behavioral Tagging: The Role of Novelty Exposure in Long-Term A07-13 **Memory Consolidation** Hiba Khan A07-14 Prevention of Scopolamine-Induced Spatial Memory Impairment by Cannabinoid Agonist WIN55,212-2 Iker Bengoetxea de Tena A07-15 The Development of Visually Evoked Defensive Behaviors in Male and Female Mice Isabella Farhy-Tselnicker A07-16 Sex-Specific Outcomes in a Rat Model of Infant Maltreatment Jazmín Grillo Balboa A07-17 Impact of Early-Life Stress and a Second Hit on Memory: Neuroplasticity and Inflammation at Midlife and Adulthood Joelma Alves Lucio A07-18 Premenstrual Dysphoric Disorder (PMDD): Insights From a Rat Model Using Progesterone Withdrawal Keerthana Padmanabhan

A08 - Clinical studies, biomarkers & imaging

A08-01	Associations Between Polymorphisms in Purinergic Signaling Genes and Alzheimer's Disease Biomarkers Luciana Costa
A08-02	The Link among Perinatal Depression, Gestational Diabetes Mellitus, and Telomere Length: A Biochemical Approach Pavithra Rekha Ravikumar
A08-03	Csf Levels of Phosphorylated Tdp-43 Are Increased in Patients With Vascular Dementia and Correlate With Markers for Vasculopathy Zeinab Rafiee

A09 - Glia and neuron-glia interactions

Andrea Berghella

A09-01	Demystifying the Myelin g Ratio: Origin, Biological Meaning and Alternatives Alexander Gow
A09-02	Astrocytic Chordin-Like 1 Regulation for Stroke Recovery Using Ketamine

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POSTER SESSION A

A09-03	Decoding Translation in CNS Myelin Expansion Avipsha Datta
A09-04	Altered Myelin Lipid Homeostasis and Their Effect on Promyelinating Factor—PAK2 in PMP22 Haploinsufficiency Bo Hu
A09-05	DRG Neuron-Satellite Glia Interactions in Response to Physiological Levels of Shear Stress David Spray
A09-06	HIV Antiretroviral Drugs Trigger Stress Granule Formation via the PERK Activated Integrated Stress Response in Oligodendrocytes Eliana von Krusenstiern
A09-07	Analyzing Sex Differences of Aged Microglia After an Inflammatory Stimulus: A Study in the Ventral Hippocampus of C57BL6/J Mice Eva Šimončičová
A09-08	The Mglur5 Agonist, CHPG, Enhances Differentiation of Human Oligodendrocytes Hiroko Nobuta
A09-09	Astrocytes Respond to Serotonin and Regulate the Serotonin-Induced Synaptic Transmission in the Basolateral Amygdala Jacob Noeker
A09-10	The Role of GLT-1 in Oligodendrocyte Myelination: Unraveling Mechanisms of Myelin Repair in Development and Disease Jazmín Soto-Verdugo
A09-11	Astrocytes Exhibit Sex-Dependent Morphological and Molecular Changes in Senescent Cells In Vitro and in the Aged Mouse Hippocampus Joao Bastos
A09-12	Potential Use of Nociceptin as a Novel Biomarker and Target for Remyelination in Progressive Multiple Sclerosis Joseph Baker
A09-13	Astrocytic Gabaergic Uptake: Shaping Spatial Memory Dynamics Juan Gabriel Riboldi
A09-14	New Insights Into the Mechanisms of Axonal Neurotransmitter Release and Its Impact on Myelination Katy Marshall-Phelps
A09-15	Astrocytes as Potential Mitochondria Donors for Neurons After Exposure to Alpha-Synuclein Oligomers Lívia Hayashide



A10 - Neurodegeneration and neuropsychiatric disorders

A10-01	Iron-Mediated Neurotoxicity in Alzheimer's Disease Abdulqudus Omirude
A10-02	Alteration of Membrane Proteins and Hippocampal Integrity in Rat Brain Due to Co-Toxicity of Cadmium and Lead Abhishek Kumar
A10-03	Protective Role of Plant Food-Derived Dietary Phenolic Compounds Against Cadmium-Induced Neurotoxicity Adeniyi Adebayo
A10-04	$\label{eq:continuous} Er\beta\ Ligand\ Treatment\ Mitigates\ Demyelination-Induced\ Cognitive\ Impairment\ by\ Modulating\ Glutamate\ in\ the\ Hippocampus\ Alyssa\ Anderson$
A10-05	ZA-II-05, a Novel NMDAR Antagonist Reverses Vanadium-Induced Neurotoxicity in C. elegans, Rat Hippocampal Slices and Mice Models Amany Ladagu
A10-06	Using Novel Tau Antisense Oligonucleotides Against Alzheimer's Disease Brain Pathology Anastasia Megalokonomou
A10-07	The Aging Locus Coeruleous: Proteomic Characterization During Healthy Aging and Disease Andres Jaramillo
A10-08	Naringenin Confers Neuroprotection in Drosophila Model of Alzheimer's Disease by Modulating AChE and SOD mRNA Expressions Ayomide Atoki
A10-09	Enhancing Proteostasis in ALS Through Novel Brain-Penetrating Peptides: A Therapeutic Approach Targeting Autophagy Azin Amin
A10-10	Network Pharmacology, Molecular Docking, and Simulation Evaluation of Limonene in the Treatment of Neurodegenerative Disorders Bhuvanesh Baniya
A10-11	Therapeutic Efficacy of Chronic 5-HT1A Receptor Agonism by NLX-112 (Befiradol) in Spinocerebellar Ataxia Type 3 Mice Bruna Ferreira-Lomba
A10-12	Glycyrrhizin Reduces HMGB1 Elevation in Huntington's Disease Zq175 Mice Striatum Enhancing Motor and Cognitive Functions Carla Caruso
A10-13	Protective Effects of Metformin on Microglial Dysfunction in an Alzheimer's Disease In Vitro Model Carlos Pomilio
A10-14	Brain Sphingolipid Control is Disrupted in Schizophrenia Christian P. Müller

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POSTER SESSION A

A10-15	Connecting Lactate Metabolism in Reactive Microglia to Early Alzheimer's Disease Clair Ashley
A10-16	Drosophila melanogaster and Homo sapiens Serotonin Transporter: Genetic Similarity and Comparative Affinity by Antidepressants Fabiani Triches
A10-17	When Chronic Stress Meets Tau: Dissecting the Interplay in Stress-Granule-Related RNA-Binding Protein Dynamics Georgia Papadimitriou
A10-18	Impact of SARS-Cov-2 Infection or Viral Product Exposure on Cellular Senescence and Its Implications for Memory Impairment Hannah Paola Mota-Araujo
A10-19	Anti-Angiogenic Effects of BBC1501, a Chemical Inhibitor Targeting BRD2/4, on Experimental Choroidal Neovascularization in Mice In-Beom Kim
A10-20	Evaluating the Potential of Stigmasterol as a Scaffold for Novel Antidepressants Isaac Blessed Mensah
A10-21	Motor Neurons Cell-Specific Metabolic Maladaptation Following TDP-43 Aggregation: Implications for ALS and FTLD Ismail Gbadamosi
A10-22	Impact of Lipid Metabolism on Microglial Phagocytosis of Amyloid-Beta Izabela Lepiarz-Raba
A10-23	Targeting Microvascular Dysfunction innAlzheimer's: Therapeutic Role of Galectin-1 in Vascular Function and Proteostasis Pathways Jessica L Presa
A10-24	Unveiling the Mystery: How the Aggregation of a Single Protein Leads to Multiple Diseases Kensuke Ikenaka
A10-26	Exploring Chaperone-Mediated Autophagy in Androgen Receptor Degradation as a Novel Targetable Pathway for Kennedy Disease Laura Cornaggia
A10-27	Intracisternal Administration of Rad-IGF1 Reduces Anxiety-Like Behavior in a Rat Model of Neurotoxicity Induced by 6-OHDA Leandro Champarini
A10-28	Ibuprofen Exposure Differentially Alters Morphology and Synapses in the Prefrontal Cortex and Amygdala of Adult Male Wistar Rats Leviticus Arietarhire
A10-29	Neurogenic Potential of Quinic Acid in Combating Ischemic Stroke by Regulating Notch Pathway Maha Shahid
A10-30	Brain Printing Biometrics in Crosstalk With Rod-Shaped Microglia and TREM2 Signaling for Early Alzheimer's Disease Detection Mai M. Anwar

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POSTER SESSION A

A10-31	P75ntr Mediated Retrograde Degeneration of Basal Forebrain Cholinergic Neurons after TBI Leads to
	BFCN-Specific Cognitive Deficit
	Mansi Pandya

A10-32 Dissecting Neuronal–Microglial Interplay on Dentate Gyrus Plasticity Under Chronic Stress in Tau Brain Pathology
Maria Anesti

A12 - Stem Cells and regeneration

A12-01	Multipotent Cell-Derived Magnetic Extracellular Vesicles in Nerve Regeneration Daniela Rodriguez Carrascal
A12-02	Elucidating the Role of Endothelin-1 Signaling in Adult Neural Stem Cells Lawry Del Mar Soto Escobar
A12-03	Protein Phosphatase Inhibition Blocks Stress Granule Assembly and Promotes Axon Regeneration Manasi Agrawal

A13 - Lipids and glycobiology

- A13-01 Interplay of Altered Sphingolipid Metabolism and Endocannabinoid System in Schizophrenia Anna Emilia Hoffmann
- A13-02 Exploring Molecular Controls of Neuronal HSL Activity Annelise Francisco

A15 - Pain / Addiction

A15-01	Nanoengineered TRPA1 Sirna Formulation Alleviates Chemotherapy-Induced Neuropathic Pain Akhilesh
A15-02	Passiflora incarnata L. Extract Reduces Withdrawal Symptoms in Morphine-Dependent Mice Ana Olivia Martins Laurentino
A15-03	Long-Term Effects of Neonatal Overfeeding on Homeostatic Regulation of Food Intake in Response to a Cafeteria Diet in Adulthood Cora Stoker
A15-04	Investigating the Role of Silent KV8 Subunits in Sensory Neuron Function Kai Kummer

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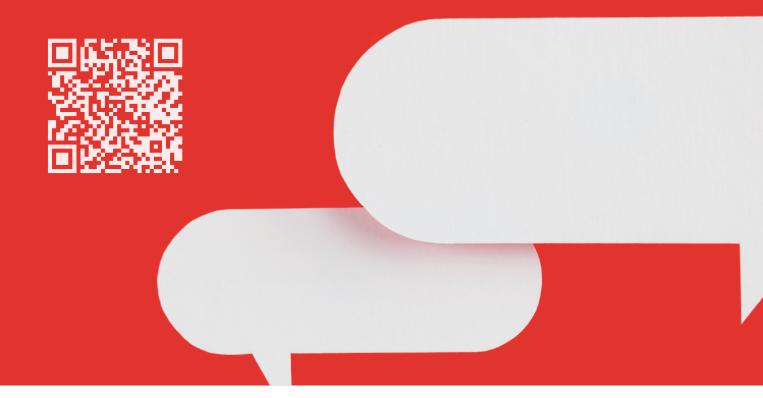
POSTER SESSION A

A16 - Other topics

A16-01	Gut Epithelial Functions in Mice With Heart Failure Due to Endothelial Overexpression of Tissue Nonspecific Alkaline Phosphatase Alexander Malayev
A16-02	Psychotria camptopus Prevents Neuropsychiatric Comorbidities by Modulating Neuroprotective Pathways in Fully PTZ-Kindled Rats Aliance Romain Fokoua
A16-03	Amine-Functionalized Mesoporous Silica Nanoparticles: A Promising Approach to Enhanced Acetylcholinesterase and Amyloid Inhibition Anurag Kumar Singh
A16-04	Modulation of Adenosine Release by Glutamate in Schaffer Collaterals-Ca1 Synapses Dayana Surendran
A16-05	Immunohistochemical Identification of West Nile Virus Envelope Glycoprotein in the Brain of Yinpterochiroptera Bat, Eidolon Helvum Iheanyi K. Peter-Ajuzie

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Supports the organization of small, focused conferences on neurochemical topics, fostering collaboration and knowledge-sharing within the global community.







POSTER SESSION B

B01 - Gene regulation & genetics

B01-01	Chromatin Regulator Ankrd11, Associated With Neurodevelopmental Disorders, Regulates Cortical
	Gliogenesis
	Kara Goodkey

B01-02 Regulatory Roles of Eugenol in Paraquat-Altered SNCA/LZTS3/MAPT in the Cerebellum of Wistar Rats Obinna Uchewa

B02 - Signal transduction & synaptic transmission

B02-01	Influence of Hearing Aid Usage on Neural Plasticity in Geriatric Auditory Brainstem Mohammad Shamim Ansari
B02-02	Unlocking the Potential of Partial Efficacy: A Novel Insight Into Monoamine Neurotransmitter Transporters Mohammad Nazmul Islam
B02-03	Binding of Steroid Ligands to Muscarinic Receptors Detected by Fluorescence Quenching Nikolai Chetverikov
B02-04	Regulation of CREB Phosphorylation by Dopamine or Forskolin in Early Chick Retina Development Roberto Paes-de-Carvalho
B02-05	Role of a Cannabis Extract in 2-Arachidonoylglycerol Metabolism Regulation During Physiological Aging Sabrina Rosicler Salas

B03 - Neuroinflammation & neuroimmunology

B03-01	Brain–Gut Crosstalk: How the Immune System and Gut Microbiota Are Linked in Experimental Stroke Junjie Guan
B03-02	Efficacy and Potency of Novel Pyrimidine-Based Inhibitors of Ecto-5 Nucleotidase/CD73 in Primary Astrocytes In Vitro Katarina Mihajlovic
B03-03	The Inflammasome Inhibitor MCC950 Decreases Neuroinflammation in a Mouse Model of Pediatric Neurodegeneration Kathryn Sanchez
B03-04	Sphingosine Kinase 2 Inhibition in High-Fat Diet-Fed Mice Ameliorates Obesity-Induced Neuroinflammation Lotte Vanherle
B03-05	Eprosartan With Diosgenin Impedes Multi-Organ Dysfunction Following Traumatic Brain Injury in Mice: Synergistic Approach Manisha Thakur
B03-07	\mid In Vitro Interactions Between Amyloid- β and NLRP3 Inflammasome Proteins Michael Nichols



POSTER SESSION B

B03-08	Organotypic Brain Slice Cultures to Model Glial Cell Responses in the Pediatric Neurodegenerative Disease CLN2 Miriam Domowicz
B03-09	Activation of TLR4/MyD88/NF-κB Pathway Regulates Inflammation in Cypermethrin-Induced Parkinsonism Mohd Faizan
B03-10	The Role of Glial Cells in Neuroinflammation in the Context of Alzheimer's Disease Rafaella Ferreira
B03-11	Unraveling the Variable Penetrance of Inflammatory Gene Signatures into Adjacent Brain Parenchyma in Meningeal Inflammation Saumitra Singh
B03-12	IL-6 as a Therapeutic Target for the Treatment of TBI Shradha Suresh
B03-13	Sex-Specific Transcriptional Alterations in Midbrain Following Maternal Immune Activation and Estrogen Receptor Modulation Sophie Debs
B03-14	Neuroprotective Role of CNS-Active Antidotes in Mice Exposed to Organophosphate Compounds Zrinka Kovarik
B04 - Molecular basis of disease	
B04 - Mol	ecular basis of disease
B04 - Mol B04-01	REST Dysregulation and Neuropathogenesis in Down Syndrome King-Hwa Ling
	REST Dysregulation and Neuropathogenesis in Down Syndrome
B04-01	REST Dysregulation and Neuropathogenesis in Down Syndrome King-Hwa Ling High-Fat Diet Alters Stroke-Associated S1P Responses
B04-01 B04-02	REST Dysregulation and Neuropathogenesis in Down Syndrome King-Hwa Ling High-Fat Diet Alters Stroke-Associated S1P Responses Lisa Teresa Porschen microRNA-29a as a Potential Biomarker of Heritability of the Depressive-Like Phenotype and Response to Ketamine Treatment
B04-01 B04-02 B04-03	REST Dysregulation and Neuropathogenesis in Down Syndrome King-Hwa Ling High-Fat Diet Alters Stroke-Associated S1P Responses Lisa Teresa Porschen microRNA-29a as a Potential Biomarker of Heritability of the Depressive-Like Phenotype and Response to Ketamine Treatment Lucas dos Santos da Silva Perturbed Cholesterol Metabolism and Cytoskeletal Reorganization in Nerves and Glial Cells From Trembler J Mice Modeling CMT1E
B04-01 B04-02 B04-03	REST Dysregulation and Neuropathogenesis in Down Syndrome King-Hwa Ling High-Fat Diet Alters Stroke-Associated S1P Responses Lisa Teresa Porschen microRNA-29a as a Potential Biomarker of Heritability of the Depressive-Like Phenotype and Response to Ketamine Treatment Lucas dos Santos da Silva Perturbed Cholesterol Metabolism and Cytoskeletal Reorganization in Nerves and Glial Cells From Trembler J Mice Modeling CMT1E Lucia Notterpek Sodium Propionate: Key Metabolite for Alleviating Depressive-Like Behavior via Gut Microbiome and Neural Epigenetic Modulations

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POSTER SESSION B

B04-08	Exploring the Potential Neuroprotective Properties of Fungi Living in Extreme Environments in a Cell Model of Alzheimer's Disease Matías Lantadilla
B04-09	Mitochondrial DNA Mutations Impact Bioenergetics and Neuronal Differentiation in Autism: Insights From a Cybrid Model Merlin Jeejo
B04-10	Investigation of CYP46A1 and Cholesterol Homeostasis as a Therapeutic Target for Rett Syndrome Phenotypes in Mecp2-Mutant Mice Nasim Khatibi
B04-11	Molecular Clock and Circadian-Driven Neuroinflammatory Markers Profile in Early Developmental Dravet Syndrome Mouse Model Radharani Benvenutti
B04-12	Gene Network Linked to Environmental Enrichment Predicts Human Mental Health Randriely Merscher Sobreira de Lima
B04-13	LKB1 Deficiency in Astrocytes: Disruption of Pantothenate Kinase and Promotion of Ferroptosis Rebecca Alemani
B04-14	GABAergic Dysfunction Underlies Tau-Dependent Sleep Loss But Is Rescued by Targeting Beta Activity With Zolpidem Riley Irmen
B04-15	Therapeutic Exploration of syPNA-141: Unlocking Mechanisms and Pharmacodynamic Effects in Ischemic Stroke Rehabilitation Sanjeev Kumar Yadav
B04-16	Newborn Reactions to Maternal Prenatal Stress Alter Umbilical Cord Blood tRNA Fragments Targeting Cholinergic Transcripts Shani Vaknine Treidel
B 04-17	Modulation of α7nAChR, Neuroinflammation, and BDNF-Mediated Neurotrophic Signaling Prevent Neuropathology in Alzheimer's Disease Shivanshu Bajaj
B 04-18	Stress Induces Alteration in the Expression of Neuronal HSP70 and HSP40 Chaperones Siraj Fatima
B04-20	microRNAs Modulating Insulin Resistance: A Shared Pathway in Alzheimer's Disease and Metabolic Syndrome Tehniat Faraz Ahmed
B04-21	Molecular Pathogenesis of Juvenile ALS: Dissecting the Impact of the E102Q SIGMAR1 Variant on Cellular Homeostasis and Autophagy Vina Banouvong



POSTER SESSION B

B05 - Brain development & cell differentiation

B05-01	Risperidone Administration in Rats with Perinatal Brain Injury Impairs Brain Development and Induces Inflammation Lauren Jantzie
B05-02	GFAP Expression in the Brain During Human Postnatal Development Lauren Luijerink
B05-03	Untangling the Intricate Networks Shaped by d-Aspartate in the Developing Brain Raffaella di Vito
B05-04	Mast Cells as Central Mediators of Neuroimmune Interactions During Physiological and Pathological Neurodevelopment Raissa Rilo Christoff
B05-05	Selective Complement Lysis Vulnerability of Neural Stem Cells and Multipotential Progenitors in a Germinal Matrix Hemorrhage Model Rebecca Zaritsky
B05-06	Impaired Sulfation of Heparan Sulfate Proteoglycans Compromises GnRH Neuron Development by Modulating VEGF Signaling Roberto Oleari
B05-07	The Effect of Cannabidiol Activation of CB1 Receptor on the Prenatal VPA-Induced Anxiogenic Activities in Amygdala of Male Mice Roseline Udodi
B05-08	Crosstalk Between the CSF and Embryonic Stem Cell Niche Ryann Fame
B05-09	Levels of Microglial Trem2 Program Synaptic Pruning and Hippocampal Function in a Mouse Model of Early Adversity Sahabuddin Ahmed
B05-10	Maternal Folic Acid Supplementation Improves Disrupted Neocortical Development in a Forebrain- Specific Cited2 Knockout Sara Brigida
B05-11	GluN2A-Dependent Ionic Currents and Calcium Signaling in Human iPSC-Derived Neurons Sergio Escamilla
B05-12	Non-Cooperative Roles of GPM6a and Neuroplastin in Neurite Outgrowth and Filopodia Formation Camila Scorticati

B06 - Bioenergetics & metabolism

Johanna Elisabeth Willker

B06-01	Metabolism of Dendrimer-Conjugated N-Acetyl Cysteine Shows Multiple Neuroprotective Responses in a Rabbit Model of Cerebral Palsy James Sowers
B06-02	Modulation of NAD+ and NADH Contents in Cultured Astrocytes



POSTER SESSION B

B06-03	Study of the Central Actions of the LEAP2 Peptide Lucia Giovanini
B06-04	CD38 Role in Mitochondrial Metabolism in the Dorsal Root Ganglion Marina Chichierchio
B06-05	Differential Effects of Itaconate and Its Esters on the Glutathione and Glucose Metabolism of Cultured Primary Rat Astrocytes Patrick Watermann
B06-06	Single Nucleotide Polymorphisms of the Astrocytic Excitatory Amino Acid Transporter 2 Are Associated With Brain Glucose Metabolism Roberta Oliveira
B06-07	Comparative Analysis of Primary and iPSC-Derived Microglia Metabolism Dysregulated by A β Exposure Seong-Hun Bong
B06-08	Repeated Head Injuries Progressively Promote Functional and Metabolic Impairments in Mice Vitória Girelli de Oliveira
B06-09	Neurons Carrying Frontotemporal Dementia-Related MAPT Mutation Exhibit Perturbed Bioenergetics Yan Tong
B07 - Neu	ronal plasticity & behavior
B07-01	The Role of mTORC1-Dependent Protein Translation During Memory Consolidation in the Neocortex Kinga Konkel
B07-02	Investigating a Role for Netrin-1/ DCC Signaling in Excitatory Homeostatic Synaptic Upscaling Kira Feighan
B07-03	
	Cocaine-Induced Alterations in LDT-NAc Neuronal Activity and Connectivity Leandro Aguiar
B07-04	· · · · · · · · · · · · · · · · · · ·
B07-04	Leandro Aguiar Negative Affective State in Mice After the Interruption of Chronic Ethanol Drinking Plus a Single Intraperitoneal Administration
	Leandro Aguiar Negative Affective State in Mice After the Interruption of Chronic Ethanol Drinking Plus a Single Intraperitoneal Administration Leon Condat AMPAR Expression is Modified by GluN2A Silencing in Mature Neurons
B07-05	Negative Affective State in Mice After the Interruption of Chronic Ethanol Drinking Plus a Single Intraperitoneal Administration Leon Condat AMPAR Expression is Modified by GluN2A Silencing in Mature Neurons Maria Florencia Acutain Modulation of Neuronal Plasticity in BDNF Met Prodomain Carriers in Stress and Cocaine Comorbidity

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B07-10	Enhancement of Synaptic Plasticity and Learning Mediated by Dopaminergic Activation of Hippocampal	
507 10	Astrocytes Rafael Falcon Moya	
B07-11	Re-Activation of a Cocaine Ensemble but Not a Shock Ensemble in the Nucleus Accumbens Controls Behavioral Preference Raquel Correia	
B07-12	Decreased Memory After e-Vapour (Nicotine) Is Associated With Altered Hippocampal Nicotinic Receptors, Apoptosis, and Microglia Rita Machaalani	
B07-13	Alterations in Hippocampal Long-Term Depression and Spatial Memory Induced by Elevated Perinatal Interleukin-6 Rouba Y. Houbeika	
B07-14	Effects of GluN2A Knockdown on Spatial Memories and Social Behavior Maria Verónica Baez	
B07-15	Naringin Mitigates Cognitive Deficits in Chronic Stress by Modulating Synaptic Plasticity via G-Protein and BDNF/TrkB Pathways Vivian Ojiakor	
B07-16	The Microtubule-Associated Protein Tau Controls the Homeostasis of Glutamate-Type Receptors in Mammalian Central Neurons Xuan Ling Hilary Yong	
B07-17	Involvement of $\alpha 7$ Nicotinic Acetylcholine Receptor in Social Behavior Impairments in Juvenile Mice Exposed to Social Defeat Stress Yukihiro Noda	
B07-18	Aged Garlic Extract Supplementation Improves Cognitive and Memory Function and Alters Multi- Functional Molecular Clusters Zezong Gu	
B07-19	Ethanol's Effects on Memory Consolidation: Exploring the Role of $\alpha 7$ Nicotinic Acetylcholine Receptors Verónica Pastor	
B09 - Glia and neuron-glia interactions		
B09-01	Molecular Composition of Endogenous Glutamate-Permeable LRRC8 Channels in Mouse Astrocytes Madison Chandler	
B09-03	Disruption of Immune Homeostasis Mediates Neural and Behavioral Alterations Induced by Cocaine Maria Carolina Machado da Silva	
B09-04	The HIV-1 Transgenic Rat Brain Exhibits Disrupted Myelin Lipids Marisa Jeffries	
B09-05	Aging-Induced Morphological and Molecular Changes in Astrocyte–Endothelial Interactions Michele Siqueira	

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POSTER SESSION B

B09-06	Investigating the Role of Astrocytic Autophagy Within Central Nervous System (CNS) and Amyotrophic Lateral Sclerosis (ALS) Nirma Perera
B09-07	Connecting Intercellular Endocytosis With Astrocyte Extracellular Vesicles via Gap Junctions Randy Stout
B09-08	White Matter Secondary Injury and 4-Aminopyridine (4AP) Beneficial Effect Informed by Spatial Transcriptomics in Experimental TBI Regina Armstrong
B09-09	Role of Neuroinflammation in AD: In Vivo Characterization of 3xTg-AD Mice Through PET/MRI, Histological and Behavioral Studies Rosina Dapueto
B09-10	Role of Sphingolipids in Fractalkine Mediated Myelin Repair Sara Grassi
B09-11	Targeted Polysomal mRNA Reveals Satellite Glial Cells-Specific Translatome Changes During Urological Chronic Pelvic Pain Syndrome Sathish Kumar Yesupatham
B09-12	Glial Neurotransmitter Transporter Regulation in Retinal Müller Cells: Role in Excitotoxicity Temitayo Subair
B09-13	CD11c Microglia Enhance Oligodendrocyte Differentiation Through Insulin-Growth Factor 1 (IGF1) and Osteopontin Co-Signaling Teshawn Johnson
B09-14	Deciphering the Role of Astrocytic Insulin Receptor Overexpression on Vascular Dynamics and Gait in an Amyloidosis Model Ting-Hsuan Lu
B09-15	Endothelin-1 Inhibits Neural Stem Cell Gliogenesis in the Adult Brain Following Demyelination Veronica Vanoverbeke

B10 - Neurodegeneration and neuropsychiatric disorders

B10-01	Study of the Pro-Solubilizing Effect of a Short Androgen Receptor Isoform to Disrupt Mutant Androgen Receptor Toxicity in SBMA Marta Chierichetti
B10-02	Stearoyl-CoA Desaturase Inhibition Leads to Hippocampal Fatty Acid Normalization and Improved Dendritic Spine Density in 5xFAD Marta Turri
B10-03	Early TGF-β3 Gene Therapy and Neuroinflammation: Therapeutic Potential for Motor and Non-Motor Impairments in Parkinson's Disease Matías Jávega Cometto
B10-04	Effects of rTMS on Neurodegeneration, Neuroinflammation, and Purinergic Signaling in a 6-OHDA Parkinson's Disease Model Milica Zeljkovic Jovanovic

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POSTER SESSION B

B10-05	Rauvolfia vomitoria Extracts Relieve Swiss Mice Against Pentylenetetrazol-Induced Seizure and Protect Temporal Lobe Structures Moses Ekong
B10-06	Using Inhibitory Chemogenetics to Reduce Cortical Hyperexcitability in Amyotrophic Lateral Sclerosis Mouna Haidar
B 10-07	The Role of Polyamines in Modulating Alpha-Synuclein Aggregation: Insights from Physiologically Relevant Conditions Nan Wang
B10-08	Severity of Sleep Loss Does Not Correlate With Aβ Plaque Load Nicholas Constantino
B10-09	Cognitive Deficits, Amyloid Pathology, and Microglial Homeostasis Are Restored by Metformin in Experimental Alzheimer's Disease Nicolas Gabriel Gonzalez Perez
B10-10	Neuroinflammation, Oxidative Redox Imbalance Drive Memory Dysfunction in Adolescent Rats Prenatally Exposed to Datura stramonium Olawande Bamisi
B10-11	Homocysteine Impairs Glucose Uptake via Akt/GSK3 β /GLUT1 Pathway in Hippocampus: Neuroprotection by Rivastigmine and Ibuprofen Osmar Vieira Ramires Junior
B10-12	Dissecting Cariprazine's Mechanism of Action Combining Fluo-Cariprazine Binding, mRNA In Situ Hybridization and Electrophysiology Ildiko Pal
B10-13	Assessing the Therapeutic Potential of GPER1 Activation With a Focus on Sex Differences in Mood and Anxiety Disorders Pavlina Pavlidi
B10-14	Iron Overload Drives Oligodendrocyte Lineage Cell Death in White Matter Degeneration in Aging Brains Philip Adeniyi
B10-15	Neurochemical Changes May Explain Improved Outcomes in a Huntington's Disease Model Priscilla Welter
B10-16	Characterization of Oligodendrocytes in X-linked Dystonia Parkinsonism Priya Prakash
B10-17	Low Dose Ketamine Induces Unique Molecular And Cellular Responses in the Brains of Alzheimer's Disease Mouse Models Ricardo Lima-Filho
B 10-18	Enduring Behavioral Effects of Developmental Vitamin D Deficiency in a Rodent Model: Implications for Autism Spectrum Disorder Roana Liz George
B10-19	Therapeutic Potential of Elateriospermum tapos Yoghurt for Cognitive Impairments and Anxiety-Like Behavior Ruth Naomi Manuel

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POSTER SESSION B

B10-20	Chronic Mitochondrial Insult Causes Parkin Inactivation and Aggregation: Protection by Methylene Blue Safreena Narukkottil
B10-21	Widespread Mitochondrial and Cytoplasmic Dysfunction Due to Mutant Ataxin-1 Expression in Models of Spinocerebellar Ataxia Type 1 Sarita Lagalwar
B10-22	Targeting Neurogenesis as Therapeutic Potential to Delay Alzheimer's Disease $$ rogression by Regulating the Wnt/ β -Catenin Pathway Sarosh Farooq Khan
B 10-23	Neuroprotection of Combretum molle Extract on Aluminum Chloride and d-Galactose- Induced Zebrafish Model of Alzheimer's Disease Thandi Fasemore
B 10-24	Astrocytic Activation Induces Cognitive Enhancement and A β Plaques Shrinkage in an Alzheimer's Mouse Model Tirzah Kreisel
B 10-25	Pumilio-1 Haploinsufficiency Exacerbates Secondary Brain Damage After Ischemic Stroke Vijay Arruri
B10-26	vATPase Dysfunction in Parkinson's Disease Violetta Ivanova
B10-27	Interplay of Serum Lipids and Microglia in the Susceptibility to the Long-Term Behavioral Effects of Adverse Childhood Experiences Weronika Tomaszewska
B10-28	Pathological Products of Alzheimer's Disease Disrupt the Transcription of Circadian Clock Related Genes Xuanyu Huang
B 10-29	Effects of Cannabidiol-Enriched Cannabis sp. Extract in a 6-Hydroxydopamine Parkinson's Disease Model Yolanda Paes-Colli
B10-31	Crtac1B/LOTUS Improves Synaptic Dysfunction and Cognitive Impairment in Alzheimer's Disease Model Mice Yuki Kawaguchi

B11 - Intracellular organelles and trafficking

B11-01	Presynaptic Protein Synthesis and Sorting Mechanisms in Developing Human iNeurons Julia Riedlberger
B11-02	Extracellular Vesicles Derived From the Brains of Alzheimer's Disease Patients Induce Cognitive Impairment in Mice Lisandra Silva Pinheiro
B11-03	Cocaine-Induced Disruption of Endosomal Recycling: A Novel Mechanism in sychostimulant Addiction Sara-Maude Belanger



POSTER SESSION B

B12 - Stem Cells and regeneration

B12-01	miRNA-Mediated Regulation of Neuronal Regeneration Following Peripheral Nerve Injury Maria Peteinareli
B12-02	Inhibition of G3BP1 Granules Promotes Mammalian CNS and PNS Axon Regeneration Pabitra Sahoo
B12-03	Impact of Novel Multimodal Compounds on Neurogenesis Using an In Vitro Neurosphere Model Sara Xapelli

B13 - Lipids and glycobiology

B13-01	Synaptic Lipidomic Changes in Parkinson's Disease Julita Chlebowicz
B13-02	Oral I-Serine Rescues Neuropathic Behaviors Caused by Toxicity of 1-Deoxysphingolipids

B15 - Pain / Addiction

B15-01	Laisa de Siqueira Umpierrez
B15-02	Behavior and Cellular Effects of Oral Treatment With a Cannabidiol-Enriched Extract in Rats With Chronic Neuropathic Pain Raquel Maria Campos
B15-03	DNA Methylation Analysis of OPRM1, DAT1, and DRD2 Genes in a Drug-Dependent Population of Manipur, India Reena Haobam

B16 - Other topics

B16-01	In Silico Pharmaceutical Analysis of Naringenin and Carotenoids with Potential Activity Against Alzheimer's Disease Marisín Pecchio
B16-02	Noradrenergic Dysfunction in AppNL-G- F Mice: Impaired Norepinephrine Metabolism and Compensatory Changes in Alzheimer's Disease Nurcan Kilic
B16-04	Sex Differences in Adenosine in Sleep Circuitry Priyansha Dubey
B16-05	Evaluation of Neuroprotective Effects of Dietary Raw and Roasted Pumpkin Seed Supplementation in Healthy Rats Seun Akomolafe

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TUESDAY, AUGUST 19, 19:00 – 20:00 NORTHS JAVITS CENTER | LEVEL 5 – THE OVERVIEW ROOM

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TUESDAY, AUGUST 19, 17:00 – 19:00 | Poster Area WEDNESDAY, AUGUST 20 16:30 – 18:30 | Poster Area

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FRIDAY, AUGUST 22, 19:30 – 23:30 | THE TERRACE AT NORTH JAVITS (LEVEL 4)

Meet colleagues and international experts outside the session halls, at "The Terrace". Don't miss this great opportunity to mix, mingle and build connections that will last you a lifetime! All participants and social quests are welcome to join this networking event.



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Patrick Watermann	Germany	Yolanda Paes-Colli	Brazil
Pavlina Pavlidi	Greece	Zeinab Rafiee	Sweden



YOUNG SCIENTIST PAPER OF THE YEAR (MARK A. SMITH PRIZE)

MS01-01 Effects of the NLRP3 Inflammasome on Microglial Senescence in Tauopathies <u>Deniz Karabag</u>

¹Institute of Innate Immunity, Medical Faculty, University of Bonn, Department for Neuroimmunology, Bonn, Germany

²German Center for Neurodegenerative Diseases (DZNE), Bonn, Germany

³Medical Faculty, University of Cologne, Cluster of Excellence Cellular Stress Response in Aging-associated Diseases (CECAD), Cologne, Germany

MS01-02 Antiretroviral Treatment Reveals a Novel Role for Lysosomes in Oligodendrocyte Maturation

Lindsay Festa

¹University of Pennsylvania, Department of Oral Medicine, Philadelphia, United States ² Children's Hospital of Philadelphia, Department of Neurology, Philadelphia, United States

MS02-01 α2δ- 2 Mutations Linked to Epileptic Encephalopathy Affect Calcium Channels and Synapses

Sabrin Haddad

Karl Landsteiner University of Health Sciences, Division of Physiology, Department of Pharmacology, Physiology, and Microbiology, Krems, Austria

MS02-02 Genetic Deletion of Hormone- Sensitive Lipase in Mice Reduces Cerebral Blood Flow but Does Not Aggravate the Impact of Diet- Induced Obesity on Memory Cecilia Skoug

¹Department of Experimental Medical Science, Faculty of Medicine, Lund University, Lund, Sweden

²Wallenberg Centre for Molecular Medicine, Faculty of Medicine, Lund University, Lund, Sweden

MS02-03 Midkine is Upregulated in the Hippocampus Following Both Spatial and Olfactory Reward Association Learning and Enhances Memory

Sarah Abdulmalek

University College Dublin, School of Biomolecular and Biomedical Science, Dublin, Ireland



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YSLA01 Brain Acid Sphingomyelinase—A Sex- Specific Mechanism for Drug Addiction

Liubov Kalinichenko

University Clinic of Friedrich-Alexander University Erlangen-Nuremberg

YSLA02 Dynamic Dynorphin Signals Modulate Associative Learning Through a Nucleus

Accumbens- Ventral Tegmental Area Circuit

<u>Carina Soares-Cunha</u> University of Minho

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YMS01-01 Embelin Counters Amyloid-β Neurotoxicity, Preserves Cognitive Function in

Rats: Investigating Hippocampal Neurochemical Mechanisms

Rimpi Arora

Christian medical college and hospital, neurology, Ludhiana, India

YMS01-02 NEGR1 Gene Expression Modulation in APPSWE Cortical Brain Organoids as a

Potential Therapeutic Strategy for Alzheimer's Disease

Pablo Cardozo

Universidade Federal de Minas Gerais, Biochemistry and Immunology,

Belo Horizonte, Brazil

YMS01-03 Senescent Astrocytes Contribute to Age-Related Synaptic Decline: Insights

from Mouse and Human Aging Models

Isadora Matias

Universidade Federal do Rio de Janeiro, Institute of Biomedical Sciences,

Rio de Janeiro, Brazil

YMS01-04 Trans-Cinnamaldehyde Mitigates Neurodegenerative Changes in Wistar Rats

Models of Insulin-Resistance

Samson Olorunnado

University of Rwanda, Human Anatomy, Huye, Rwanda

YMS02-01 Neuroprotective Effects Ofaminopropyl Carbazole Compound in

Huntington's Disease

Sunil Jamuna Tripathi

Johns Hopkins University School of Medicine, Department of Pharmacology and

Molecular Sciences, Baltimore, MD, USA

YMS02-02 A Reln Polymorphism Reduces Tau Pathology and Slows Cognitive Decline in Late-Onset Alzheimer's Disease

Giovanna Carello-Collar

Biochemistry, Department of Biochemistry, Institute of Health Basic Sciences, Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre, Brazil



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YMS02-03 ATF4 Promotes Dopaminergic Neurodegeneration via a Transcriptional Program That Inhibits Mtor Activity in Parkinson's Models

Matthew Demmings

University of Western Ontario, Robarts Research Institute, London, Canada

YMS02-04 Alterations in M4-Cholinergic Signaling following Dopamine Loss Contribute to Parkinsonian and L-DOPA-Induced Dyskinetic Behaviors

Beatriz Nielsen

University of Colorado - Anschutz Medical Campus, Pharmacology, Aurora, United States

YMS03-01 Neurotransmitter Metabolism after Neonatal Brain Injury

Dawn Lammert

Johns Hopkins University School of Medicine, Department of Neurology, Baltimore, MD, USA

YMS03-02 NADPH Oxidase (NOX2) Drives Immunometabolic Reprogramming of Microglial Pentose-Phosphate Pathway after Traumatic Brain Injury

Nathan R. Strogulski

Trinity College Dublin, School of Biochemistry and Immunology, Dublin, Ireland

YMS03-03 Dissecting the Role of an Antiviral Immune Response in a Mouse Model of Mitochondrial Neuropathology

Melania Gonzalez-Torres

¹Institute of Neurosciences, Autonomous University of Barcelona, Barcelona, Spain ²Department of Cell Biology, Physiology and Immunology, Autonomous University of Barcelona, Barcelona, Spain

YMS03-04 Striatopallidal Cannabinoid Type-1 (CB1) Receptors Determine Innate Defensive Behaviors

Rui S. Rodriaues

Univ. Bordeaux, INSERM, Neurocentre Magendie U1215, 33000 Bordeaux, France

YMS04-01 A Cell Type Atlas of Short Non-Coding RNA From Live Human Brain Serafima Dubnov

The Hebrew University of Jerusalem, The Edmond & Lily Safra Center for Brain Sciences, Jerusalem, Israel

YMS04-02 Plasma P-Tau217 for Early Detection of Amyloid Pathology in Older Adults Without Impairment: Evidence From Community-Based Studies

Wasiu Balogun

University of Pittsburgh, Department of Psychiatry, Pittsburgh, United States



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YMS04-03 Hypophagia-Related Behaviours Elicited by PPG Neuron Activation

Cecilia Skoug

University College London, Neuroscience, Physiology and Pharmacology, Centre for Cardiovascular and Metabolic Neuroscience, London, United Kingdom

YMS04-04 Heteromers of M-Opioid Receptor and CRF1 Receptor Control Glutamatergic Transmission in the Central Amygdala

William N. Sanchez

National Institutes of Health, 1Integrative Neurobiology Section, Molecular Targets and Medications Discovery Branch, National Institute on Drug Abuse, Intramural Research Program, Baltimore, United States

EMERGING GROUP LEADERS SYMPOSIA AWARD

EGLS01-01 Thyroid Hormone Regulates Fetal Neurogenesis

Federico Salas Lucia

Section of Adult and Pediatric Endocrinology and Metabolism, University of Chicago, Chicago, Illinois.

EGLS01-02 Novel Human Brain Organoid Models Unravel Progenitor Behavior C haracteristics and Preneoplasia Susceptibility

Delilah Hendriks

Princess Maxima Center, Utrecht, Netherlands

EGLS01-03 Pathogenesis and Repair Mechanisms of Neonatal Brain Injury

Evan Goldstein

Augusta University, Augusta, United States

EGLS02-01 Astrocytic Mitochondrial Dynamics in Aging

Luan Pereira Diniz

Instituto de Ciências Biomédicas, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil

EGLS02-02 Enteric Glia as Friends and Foes of the Intestinal Epithelial Functions

Vladimir Grubisic

New York Institute of Technology, New York, United States

EGLS02-03 Brain-to-Brown Fat Crosstalk to Modulate the Symptoms of a Neurodegenerative Disease

Marina Garcia-Macia

Department of Biochemistry and Molecular Biology & Institute of Functional Biology and Genomics (IBFG), Universidad de Salamanca, Spain



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EGLS03-01 The Role of BDNF-TrkB Signalling in the Synaptic Expression of NMDA Receptors in Pilocarpine Model of Temporal Lobe Epilepsy

Philemon Paul Mshelia

Abubakar Tafawa Balewa University, Department of Physiology/ Neuroscience, Bauchi, Nigeria

EGLS03-02 Social Regression: From a Latent Synaptopathy to an Overt Dysfunctions in Multisensory Social Processing

Caterina Michetti

¹Department of Experimental Medicine, Università degli Studi di Genova, Viale Benedetto XV, 3, 16132, Genova, Italy

²Center for Synaptic Neuroscience and Technology (NSYN@UniGe), Istituto Italiano di Tecnologia, Largo Rosanna Benzi, 10, 16132, Genova, Italy

EGLS03-03 Modifying Toxic TDP-43 Aggregation in Amyotrophic Lateral Sclerosis

Rebecca San Gil

School of Medical Sciences, The University of Sydney, Sydney, Australia

EGLS04-01 Synthetic Thyroid Hormone Analog DITPA Promotes Myelin Repair in Neuroinflammation

Paschalis Theotokis

¹Department of Neuroscience, School of Translational Medicine, Monash University, Prahran, Victoria 3004, Australia

²B Department of Neurology, Laboratory of Experimental Neurology and Neuroimmunology, AHEPA University Hospital, Stilponos Kiriakides str. 1, 54636, Thessaloniki, Macedonia, Greece

³Department of Histology-Embryology, School of Medicine, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

EGLS04-02 The Role of Tau in the Regulation of Translational Stress Response and Its Importance for Brain Pathology

Joana Margarida Silva

Life and Health Sciences Research Institute (ICVS), University of Minho, Portugal

EGLS04-03 Astrocyte Response After Cold Injury in Mice: New Insights Into Tissue Response to Brain Edema With Focus on Epigenetic Mechanisms

Alejandro Villarreal

¹Instituto de Biología Celular y Neurociencias 'Profesor Eduardo De Robertis' (UBA-CONICET), Argentina, Facultad de Medicina, Universidad de Buenos Aires. ²Instituto Tecnológico de Buenos Aires, Argentina

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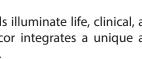
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