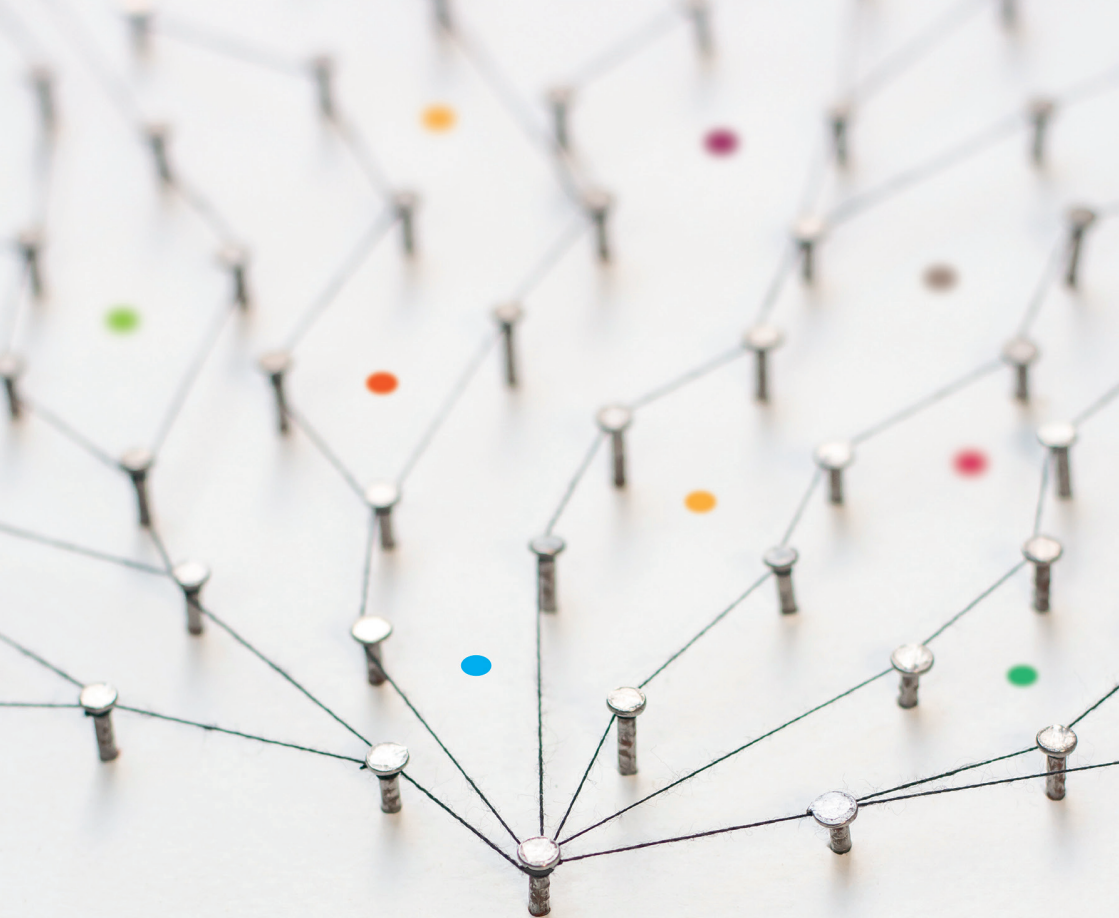




18TH NATIONAL MEETING OF THE SPANISH SOCIETY OF NEUROSCIENCE

SANTIAGO DE COMPOSTELA

4 - 6 SEPTEMBER, 2019

www.senc2019.com



**18TH NATIONAL MEETING OF THE
SPANISH SOCIETY OF NEUROSCIENCE**



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COMMITTEES

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SENC Executive board acknowledge the important support of local collaborators:

Antón Barreiro, José Luis Labandeira, Ana María Muñoz Patiño, Casto Rivadulla,
Jannette Rodríguez Pallares, Rosa Señarís

GENERAL INFORMATION

VENUE

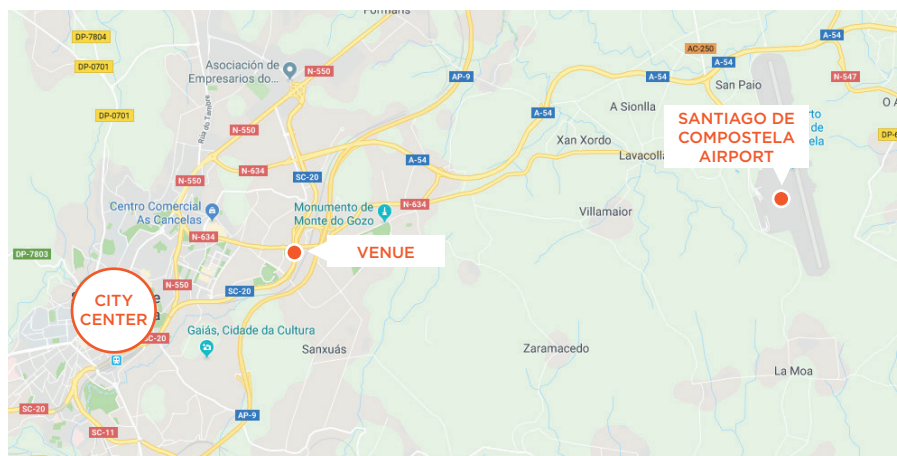
Congress and Exhibition Hall of Galicia

Address: Miguel Ferro Caaveiro s/n – San Lázaro

15707 Santiago de Compostela

Ph. : +34 981 519 988

<http://www.palaciosantiago.com/>



Where to eat:

RESTAURANTE	DIRECCIÓN	TELÉFONO	DISTANCIA A LA SEDE
LA BODEGUILLA DE SAN LÁZARO	Rúa de San Lázaro, 104, 15703 Santiago de Compostela	981 56 66 07	190m
RESTAURANTE DOÑA ANA	Rúa de San Lázaro, 85, 15707 Santiago de Compostela	981 93 53 44	350m
RESTAURANTE O MUIÑEIRO	Rúa da Muíña, 2, 15707 Santiago de Compostela	981 57 77 42	450m
MESÓN DE LÁZARO	Rúa de San Lázaro, 73, 15707 Santiago de Compostela	981 57 65 25	450m
PULPERÍA O TANGUEIRO	Rúa da Ponte de San Lázaro, 10, 15707 Santiago de Compostela	981 58 70 26	500m
A CASA DA VIÑA	Rúa de San Lázaro, 54, 15703 Santiago de Compostela	981 58 64 59	600m

* It is highly recommended to call to make a reservation

Location of the restaurants:



TECHNICAL SECRETARIAT

GRUPO PACIFICO

The power of meeting

Castelló, 128 - 7ª Planta - 28006; Madrid
Ph. +34 91 383 60 00 · Fax. +34 91 302 39 26
senc2019@pacifico-meetings.com

LANGUAGE

The official language of the congress is English. No simultaneous translation will be provided.

WIFI



NETWORK: SENC_SANTIAGO
PASSWORD: SENC2019

POSTER SESSIONS

- All posters will be presented in paper format.
- Posters should be 90 cm in length and 120 cm in height, and they should be displayed by the authors in the poster area in the slot corresponding to the code number provided in the confirmation letter.
- Presenting authors are expected to be in front of their posters one of the day of the block session they have been assigned, (during the poster session slot) as follows:

- **Poster Session 1:** Wednesday 4th September, from 15:00 to 19:00h.
Authors with poster numbers PS1-01 to PS1-95
- **Poster Session 2:** Thursday 5th September, from 08:30 to 12:30h.
Authors with poster numbers PS2-01 to PS2-98
- **Poster Session 3:** Thursday 5th September, from 15:00 to 19:00h.
Authors with poster numbers PS3-01 to PS3-93
- **Poster Session 4:** Friday 6th September, from 08:30 to 12:30h.
Authors with poster numbers PS4-01 to PS4-98
- **Poster Session 5:** Friday 6th September, from 15:00 to 19:00h.
Authors with poster numbers PS5-01 to PS5-95

Setting-up and taking down times:

- The posters should be fixed on the corresponding board half an hour before their poster session begin and must be removed on at latest, half an hour later of the end of their corresponding poster session.
- Fixing tape to set up the posters will be provided by the organization.
- The Technical Secretariat is not responsible for those posters that will not be removed at the end of the Congress.

CONGRESS BADGES

All participants, accompanying persons and exhibitors must wear the Congress identification badges. Entrance to meeting rooms, posters and exhibition area will not be allowed to any person without badge.

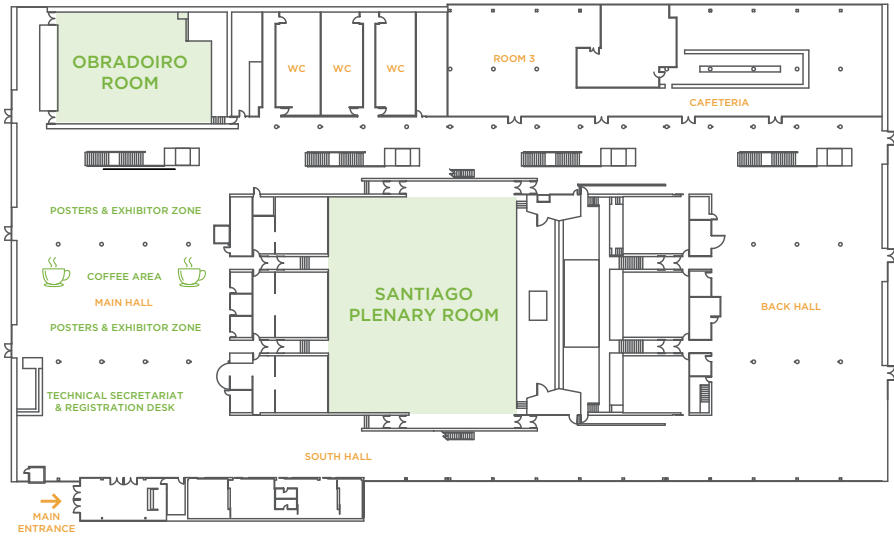
CERTIFICATE OF ATTENDANCE

A certificate of attendance will be sent by email to each delegate at the end of the congress sessions. For special requirements, please ask to the Technical Secretariat.

LIABILITY

Upon registration, participants agree that neither the Organizing Committee nor the Technical Secretariat assume any liability. Participants should, therefore, organize their own health and travel insurance.

MAIN FLOOR PLAN



FIRST FLOOR PLAN



PROGRAMME AT A GLANCE

SEPTEMBER 3 RD , TUESDAY		
19:00-19:30		Satellite event 1 Hablando de lo que entiende: el cerebro en vivo y en directo
19:30-20:00		
20:00-20:30		
20:30-21:00		
21:00-21:30		
21:30-22:00		Un café con ciencia: Mesa redonda sobre "Cerebro y Libertad"
22:00-22:30		
22:30-23:00		

SEPTEMBER 4 TH , WEDNESDAY						
	Santiago	Obradoiro	Room 1	Room 2	Exhibition Hall	
8:30-9:00	Young investigators building Neuroscience and Rita Levi-Montalcini Award (Part I)	Symposium organized by Red Glial Española (RGE) (Part I)	Symposium organized by Red NeuroEvoDevo Pedro Ramón y Cajal (PRamon) (Part I)	Symposium organized by Spanish Network for the interaction between Computational and Cognitive Neuroscience (SINC ²) (Part I)		
9:00-9:30						
9:30-10:00						
10:00-10:30						
10:30-11:00						
11:00-11:30	Coffee break					
11:30-12:00	(Part II)	(Part II)	(Part II)	(Part II)		
12:00-12:30						
12:30-13:00						
13:00-13:30						
13:30-14:00	Opening ceremony and Welcome cocktail					
14:00-14:30						
14:30-15:00						
15:00-15:30	Symposium 1 Long term effects of stress: implications for mental health	Symposium 2 Signaling in brain tumors				Poster session 1
15:30-16:00						
16:00-16:30						
16:30-17:00						
17:00-17:30						
17:30-18:00	Coffee break					
18:00-18:30	Plenary lecture 1 <i>Dr. Paola Arlotta</i>					
18:30-19:00						
19:00-19:30						
19:30-20:00				Satellite event 2 Improvisation: a dialog between neuroscience and music		
20:00-20:30						
20:30-21:00						
Satellite event 3: NeuroART Exhibition						

SEPTEMBER 5 TH , THURSDAY					Room 2	Exhibition Hall	
	Santiago	Obradoiro					
8:30-9:00	Symposium 3 New horizons on brain disorders: from clinical diagnosis to cell therapy and the impact of neuro-glial circuits structure and dynamics	Symposium 4 Neural basis of social behaviour	Coffee break			Poster session 2	Satellite event 3: NeuroART Exhibition
9:00-9:30							
9:30-10:00							
10:00-10:30							
10:30-11:00							
11:00-11:30			Coffee break				
11:30-12:00							
12:00-12:30							
12:30-13:00	Olympus award talk				Satellite event 5 How an International Journal handles your paper		
13:00-13:30							
13:30-14:00							
14:00-14:30	Lunch break		Satellite event 4 Empowering Neuroscientists for real life. Training for professional development				
14:30-15:00							
15:00-15:30							
15:30-16:00	Symposium 5 New views on the development and evolution of the forebrain	Symposium 6 ransitions across brain states: experiments, models, simulations and clinical implications				Poster session 3	
16:00-16:30							
16:30-17:00							
17:00-17:30							
17:30-18:00			Coffee break				
18:00-18:30							
18:30-19:00							
19:00-19:30	Plenary lecture 2 <i>Dr. Botond Roska</i>						
19:30-20:00							
20:00-20:30							
20:30-21:00		Satellite event 6 Blink and you'll miss it: the brain and the film editing				Satellite event 7 Brainsake (Room 3)	

SEPTEMBER 6TH, FRIDAY						
	Santiago	Obradoiro	Room 2	Exhibition Hall		
8:30-9:00	Symposium 7 Not the usual suspects: new insights into damage and repair in the multiple sclerosis brain	Symposium 8 Circuits and mechanisms of emotional behaviours		Poster session 4		
9:00-9:30						
9:30-10:00						
10:00-10:30						
10:30-11:00						
11:00-11:30	Coffee break					
11:30-12:00						
12:00-12:30						
12:30-13:00	Plenary lecture 3 <i>Luis Miguel García-Segura</i>					
13:00-13:30						
13:30-14:00	Satellite event 8 ¡Hablemos de sexo! Conversaciones sobre la existencia? De la brecha de género en la Neurociencia	Satellite event 9 Animal experimentation in Neuroscience: an interactive debate	Satellite event 10 Open Neuroscience: Do it yourself	Poster session 5		
14:00-14:30						
14:30-15:00						
15:00-15:30						
15:30-16:00	Symposium 9 Physiological, pathological and reprogrammed gliogenesis in the adult brain	Symposium 10 Cell type diversity in the hippocampus and its role in health and disease				
16:00-16:30						
16:30-17:00						
17:00-17:30						
17:30-18:00						
18:00-18:30	Coffee break					
18:30-19:00						
19:00-19:30	SENC Assembly					
19:30-20:00						
20:00-20:30						
20:30-21:00						
21:30-24:00	Gala dinner (Hotel Monumento San Francisco)					

WEDNESDAY 4TH SEPTEMBER

08:30-13:30

Santiago PLENARY ROOM

Young investigators building Neuroscience and Rita Levi-Montalcini Award

Organized by Young Researchers Committee of SENC

08:30-13:30

Obradoiro Room

Red Glial Española (RGE)

Organized by RGE

08:30-13:30

ROOM 1 - SALA 12

Red NeuroEvoDevo Pedro Ramón y Cajal

Organized by Pedro Ramón y Cajal Network

08:30-13:30

ROOM 2 - SALAS 13-14

2nd Symposium of the Spanish Network for the Interaction between computational and Cognitive Neuroscience (SINC²)

Organized by SINC²

13:30-15:00

Exhibition hall

Opening ceremony and Welcome cocktail

15:00-17:30

Santiago PLENARY ROOM

S01 - Long term effects of stress: Implications for mental health

Chair:

Juan Nacher

Speakers:

Hippocampal extracellular matrix alterations contribute to cognitive impairment associated with depressive-like state

Sabine Spijker. Department of Molecular and Cellular Neurobiology, Center for Neurogenomics and Cognitive Research, Amsterdam Neuroscience, Vrije Universiteit Amsterdam, Amsterdam, Netherlands

Child-to-adult neurodevelopmental and mental health trajectories after early life deprivation

Edmund J. S. Sonuga-Barke. Developmental Brain-Behaviour Laboratory, Department of Psychology, University of Southampton, Southampton, UK
Department of Child and Adolescent Psychiatry, Institute of Psychiatry, Psychology and Neuroscience, King's College London, London, UK

Short- and long-term behavioural, endocrine and neural effects of adolescent stress in a rat model

Roser Nadal. Institut de Neurociències, Universitat Autònoma de Barcelona, Spain
 Psychobiology Unit, School of Psychology, Universitat Autònoma de Barcelona, Spain
 Animal Physiology Unit, School of Biosciences, Universitat Autònoma de Barcelona, Spain
 CIBERSAM, Instituto de Salud Carlos III, Spain

Impact of aversive experiences on interneuron structure, connectivity and plasticity. Implications for major depressive disorder

Juan Nacher. Neurobiology Unit, Cell Biology Department, Interdisciplinary Research Structure for Biotechnology and Biomedicine (BIOTECMED), Universitat de València, Spain
 CIBERSAM: Spanish National Network for Research in Mental Health, Spain
 Fundación Investigación Hospital Clínico De Valencia, INCLIVA, Valencia, Spain

Short Oral Poster Teaser Presentations

- **PS1-01 S01** REGIONALLY-SELECTIVE KNOCKDOWN OF ASTROGLIAL GLUTAMATE TRANSPORTERS IN INFRALIMBIC CORTEX INCREASES LOCAL EXCITATORY NEUROTRANSMISSION AND EVOKES A DEPRESSIVE PHENOTYPE IN MICE. (*Bortolozzi, Analia*)
- **PS1-02 S01** PREDICTION ERROR AND REPETITION SUPPRESSION IN THE AUDITORY THALAMOCORTICAL SYSTEM IN A RAT MODEL OF SCHIZOPHRENIA. (*Parras, Gloria G*)
- **PS1-03 S01** STAT3+ REACTIVE ASTROCYTES PROTECT BRAIN METASTASIS BY MODULATING INNATE AND ACQUIRED LOCAL IMMUNITY. (*Valiente, Manuel*)
- **PS1-04 S01** ENERGETIC FAILURE DRIVES MICROGLIAL PHAGOCYTOSIS DYSFUNCTION IN STROKE. (*Sierra-Torre, Virginia*)

15:00-17:30

Obradoiro Room

Chair:

Speakers:

S02 - Signaling in Brain Tumors

Sergio Casas Tintó

Oncolytic virus infection as an antitumoral strategy in pediatric high-grade glioma

Marta M Alonso. Department of Pediatrics, University Hospital of Navarra. Program of Solid Tumors, Foundation for the Applied Medical Research (CIMA), Pamplona, Spain

EGFR signaling in brain tumors

Pilar Sánchez-Gómez. Instituto de Salud Carlos III, UFIEC/ CROSADIS, Madrid, Spain

Molecular mechanisms for novel treatments against brain tumor

Guillermo Velasco. Universidad Complutense de Madrid, Spain

Signals that coordinate glia-neuron communication in glioma

Sergio Casas Tintó. Instituto Cajal, CSIC, Madrid, Spain

Short Oral Poster Teaser Presentations

- **PS1-05 S02.** SPECIFICATION OF NEURONAL CIRCUITS INVOLVED IN SOCIAL BEHAVIOR. (*Madrigal, Pilar*)
- **PS1-06 S02.** CHRONIC EXPOSURE TO ENVIRONMENTAL CONTAMINANTS AS RISK FACTOR FOR SYNAPTIC DYSFUNCTION IN COGNITIVE DISORDERS. (*Briz, Víctor*)
- **PS1-07 S02.** TRPM8-DEPENDENT ACTIVITY OF COLD-SENSITIVE TRIGEMINAL GANGLION NEURONS ENCODES SMALL OCULAR SURFACE TEMPERATURE CHANGES. (*Díaz-Tahoces, Ariadna*)
- **PS1-08 S02.** SEPTAL GABAERGIC INPUTS TO CA1 GOVERN CONTEXTUAL MEMORY RETRIEVAL. (*Sindreu, Carlos*)

15:00-19:00

Exhibition hall

Poster Session 1 PS1 - 01 A PS1 - 98

17:30-18:00

Exhibition hall

Coffee break

19:00-20:00

Santiago PLENARY ROOM

Plenary Lecture

**Understanding Cortical Development And
Disease: From Embryos To Brain Organoids**

Chair:

Fernando de Castro. Instituto Cajal-CSIC, Madrid, Spain
President of the Programs Committee of the Spanish
Society of Neuroscience, SENC.

Speaker:

Paola Arlotta. Department of Stem Cell and Regenerative
Biology Harvard University, Cambridge, MA (USA).

Session sponsored by



20:00-21:00

ROOM 2 - SALAS 13-14

Satellite Event 2

Improvisation: A dialog between Neuroscience and Music

Guglielmo Foffani, piano solo, free improvisation

08:30-21:00

Exhibition Hall



Satellite Event 3

NEUROART EXHIBITION

Enjoy the artistic inspiration of our members visiting
images and videos related to the nervous system!
NeuroART exhibition will be open during the entire
duration of SENC meeting.

THURSDAY 5TH SEPTEMBER

08:30-11:00

Santiago PLENARY ROOM

S03 - New horizons on brain disorders: from clinical diagnosis to cell therapy and the impact on neuro-glial circuits structure and dynamics

Chair: | *Paolo Bonifazi*

Speakers:

Topological properties of neuronal circuits emerging from spontaneous dynamics: from hub neurons to cerebellar networks failures

Paolo Bonifazi. Biocruces Health Research Institute, Barakaldo, Spain

Status epilepticus: from bench to bedside

José Luis Fernández Torre. Hospital Universitario Marqués de Valdecilla, Santander, Spain

Synapse-glial interactions in regulation of network dysfunction underpinning cognitive impairment

Maurizio de Pittà. Basque Center for Applied Mathematics (BCAM), Bilbao, Spain

Cell therapy: GABAergic neuronal precursor grafting

Manuel Álvarez Dolado. Centro Andaluz de Biología Molecular y Medicina Regenerativa, Seville, Spain

Short Oral Poster Teaser Presentation

• **PS2-01 S03** THE ROLE OF THE CHEMOCOMMUNICATION AT PRENATAL STAGES: THE RABBIT AS A MODEL. (*Rodríguez Villamayor, Paula*)

• **PS2-02 S03** ADULT HIPPOCAMPAL NEUROGENESIS IS A ROBUST PHENOMENON DURING PHYSIOLOGICAL AGING IN HUMANS. (*Moreno Jiménez, Elena P.*)

• **PS2-03 S03** PV+-ASTROCYTE SIGNALING MODULATES CORTICAL INHIBITORY SYNAPTIC ACTIVITY. (*Mederos, Sara*)

• **PS2-04 S03** ON HOW SENSORY INTEGRATION IS MODULATED BY DOPAMINE IN DORSOMEDIAL STRIATUM. (*Sáez, María*)

08:30-11:00

Obradoiro Room

Chairs:

S04 - Neural Basis of Social Behaviour*Enrique Lanuza Navarro**Fernando Martínez-García*

Speakers:

Hypothalamic control of sexual behaviour*Susana Lima.* Champalimaud Centre for the Unknown, Champalimaud Research, Lisbon, Portugal**Neuroanatomy and neurochemistry of sexual attraction in rodents***Enrique Lanuza Navarro.* Dept. of Cell Biology, University of Valencia, Spain**Oxytocin: from attachment to bond disruption***Tobias Pohl.* Dept. of Behavioural and Molecular Neurobiology, Institute of Zoology, University of Regensburg, Germany**Pheromones and motherhood***Fernando Martínez-García.* Dept. of Medicine, University Jaume I of Castelló, Spain**Short Oral Poster Teaser Presentation**

- **PS2-05 S04** AMYLOID BETA MODULATES NEURONAL AUTOPHAGY THROUGH THE PRIMARY CILIUM. (*Pampliega, Olatz*)
- **PS2-06 S04** IN VIVO WIDE-FIELD IMAGING OF SPONTANEOUS ACTIVITY IN THE DEVELOPING MOUSE NEOCORTEX. (*Guillamón-Vivancos, Teresa*)
- **PS2-07 S04** SEX MATTERS: EFFECTS OF ANXIOTIC DRUG FG-7142 AND DEEP BRAIN STIMULATION OF THE INFRALIMBIC CORTEX ELICITS DIFFERENT EFFECTS IN MALE AND FEMALE RATS. (*Vila Merkle, Hanna*)
- **PS2-08 S04** IMMUNE CELL MODULATION BY SELECTIVE NEURONAL DEATH. (*Del Pilar Rodríguez, Carlos*)

08:30-12:30

Exhibition hall

Poster Session 2**PS2 - 01 A PS2 - 98****11:00-11:30**

Exhibition hall

Coffee break

12:30-13:30

Santiago PLENARY ROOM

OLYMPUS

Olympus Award Talk

12:30 - 12:45 Olympus anniversary. *Mr. Miguel Angelo Oliveira* (Olympus Iberia)

12:45 - 12:55 SENC-Olympus Award. *Dr. Ángel Acebes* (Young Investigators Committee of SENC)

12:55-13:25 Refinements in cell therapy against neurodegeneration: towards a neuronal and functional rescue. *Dr. David Díaz López* (Univ. Salamanca, Instituto de Neurociencias de Castilla y León, INCyL) 2019 - VI SENC-Olympus Award winner

13:25-13:30 Closing remarks. *Dr. Joan Comella* (Elected President - SENC Government Committee)

13:30-15:00

Lunch Break

13:30-15:00

Obradoiro Room

Satellite Event 4

Empowering Neuroscientists for real life. Training for professional development

Luisa Bravo Tudela, Ana Cervera Ferri

13:30-15:00

ROOM 2 - SALAS 13-14

Satellite Event 5

How an international Journal handles your paper

Juan Lerma, Editor-in-Chief of Neuroscience, the flagship journal of IBRO.

Session sponsored by



15:00-17:30

Santiago PLENARY ROOM

Chairs:

Diego García-González

Fernando García-Moreno

Speakers:

Instructive roles of the vasculature on nervous system development

Amparo Acker-Palmer. Goethe University and Max Planck Institute for Brain Research, Frankfurt, Germany

Biological hierarchy and the origin of the neocortex

Steve Briscoe. Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany

Session sponsored by



Chronological construction of telencephalic sensory processing circuits in amniotes

Fernando García-Moreno. Achucarro Basque Center for Neuroscience, Bilbao, Spain

Mechanisms of postnatal neuroblast migration

Diego García-González. Biotech Research and Innovation Centre (BRIC), Copenhagen, Denmark

Short Oral Poster Teaser Presentation

- **PS3-01 S05** OXYTOCIN: FROM ATTACHMENT TO BOND DISRUPTION. (*Pohl, Tobias T.*)
- **PS3-02 S05** CELL CROSS-TALK CONTRIBUTION TO CNS REGENERATION. (*Losada-Perez, María*)
- **PS3-03 S05** DEVELOPMENT AND OPTIMIZATION OF CALCIUM FLUORESCENT SENSORS BASED ON BK ION CHANNELS. (*Bartolomé-Martín, David*)
- **PS3-04 S05** UNMASKING NEWBORN DENTATE GRANULE CELLS IN ADULT HUMANS. (*De la Flor, Miguel*)

15:00-17:30

Obradoiro Room

S06 - Transitions across brain states: experiments, models, simulations and clinical implications.

Chair:

Mavi Sánchez-Vives

Speakers:

Global brain activity in different states and anesthesia levels

Mavi Sánchez-Vives. ICREA - IDIBAPS, Barcelona, Spain

Modelling brain states: from single units to populations using mean-field models

Alain Destexhe. Centre National de la Recherche Scientifique (CNRS), Paris, France

Modulatory mechanisms underlying simulations of synchronous-asynchronous states in the neocortex

Srikanth Ramaswamy. Brain Mind Institute at the EPFL, Geneva, Switzerland

Brain states, complexity and consciousness levels

Marcello Massimini. IRCCS Fondazione Don Gnocchi, Milan

Short Oral Poster Teaser Presentation

- **PS3-05 S06** SOCIAL DOMINANCE AND FAMILIARITY MODULATE PROSOCIAL DECISION-MAKING IN RATS. (*Gachomba, Michael*)
- **PS3-06 S06** ADULT HIPPOCAMPAL NEUROGENESIS IS DRAMATICALLY IMPAIRED IN ALZHEIMER'S DISEASE PATIENTS. (*Terreros Roncal, Julia*)
- **PS3-07 S06** FRONTAL CORTEX AND STRIATAL CELLULAR AND MOLECULAR PATHOBIOLOGY IN INDIVIDUALS WITH DOWN SYNDROME WITH AND WITHOUT DEMENTIA. (*Pérez, Sylvia E*)
- **PS3-08 S06** TIME-LAPSE MONITORING OF NEURAL CHANGES IN HIPPOCAMPUS DURING IN VITRO EPILEPTOGENESIS. (*Rodríguez Bodero, Ane*)

15:00-19:00

Exhibition hall

Poster Session 3

PS3 - 01 A PS3 - 93

19:00-20:00

Santiago PLENARY ROOM

The EMBO Keynote Lecture

Neuronal circuit-based medicine

Chair:

Agnès Gruart

Universidad Pablo de Olavide, Sevilla, Spain
President of the Spanish Society of Neuroscience, SENC

Speaker:

Botond Roska

Institute of Molecular and Clinical Ophthalmology Basel (IOB), Basel, Switzerland

Session sponsored by



20:00-21:00

Obradoiro Room

Satellite Event 6

Blink and You'll miss it: The brain and the film editing. Parpadea y te lo perderás: El cerebro y el montaje cinematográfico

Walter Murch (Movie editor and sound designer)

José M. Delgado García

Celia Andreu Sánchez

Session sponsored by



The Neurocinematics is an innovative area of research that approaches the study of cinema from a neuroscientific point of view. This session will be about how the brain and film montage are related. The session will be attended by Hollywood editor Mr. Walter Murch, winner of three Oscar Awards and nine nominations, and responsible for the edition and/or sound design of films such as Apocalypse Now, The English Patient, The Godfather or The Conversation, among others.

20:00-21:00

ROOM 3 - CAFETERÍA

Satellite Event 7

Brainshake!

Carmen Agustín, Juan Nàcher

08:30-21:00

Exhibition Hall

Satellite Event 3

NEUROART EXHIBITION



OTHER RELATED ACTIVITIES:

20:00-22:15

Hotel Puerta del Camino

**Third Meeting of the synaptic role in cognitive disabilities
Network**

FRIDAY 6TH SEPTEMBER

08:30-11:00

Santiago PLENARY ROOM

Chairs:

S07 - Not the usual suspects: new insights into damage and repair in the multiple sclerosis brain

Fernanda Marques

João Cerqueira

Speakers:

Role of astrocytic proteins in multiple sclerosis

Fernanda Marques. Life and Health Sciences Research Institute, School of Medicine, University of Minho, Portugal

Interplay between glial-immune cells in multiple sclerosis

Adelaide Maria Afonso Fernandes Borralho. Research Institute for Medicine (iMed.Ulisboa), Faculty of Pharmacy, University of Lisbon, Portugal

The peripheral immune system as biomarker of the disease severity and tissue damage extent in Multiple Sclerosis

Diego Clemente. Institution: Hospital Nacional de Paraplegics, Toledo, Spain

Neuronal alterations underpinning cognitive deficits in the mouse model of multiple sclerosis

João Cerqueira. Life and Health Sciences Research Institute, School of Medicine, University of Minho, Portugal

Short Oral Poster Teaser Presentations

- **PS4-01 S07** SELECTIVE ALTERATIONS OF TYROSINE HYDROXILASE IMMUNOREACTIVE BRAIN MICROSTRUCTURES IN A MOUSE MODEL OF AUTISM. A TRUE 3D MORPHOMETRIC ANALYSIS COMBINED WITH THE IDISCO METHOD. (*Ádám Ágota*)
- **PS4-02 S07** USING SINGLE-CELL RNA SEQUENCING TO STUDY HETEROGENEITY OF CORTICAL RADIAL GLIAL PROGENITOR CELLS. (*Gil-Sanz, Cristina*)
- **PS4-03 S07** VISUAL ORIENTATION MAPS IN FERRETS IS RESILIENT TO BRAIN INSULT DURING NEURODEVELOPMENT. (*Brotos-Mas, Jorge*)
- **PS4-04 S07** NEURAL CORRELATES OF MEMORY IMPAIRMENT AND RESCUE IN A MOUSE MODEL OF DOWN SYNDROME. (*Alemany, María*)

08:30-11:00

Obradoiro Room

*Chairs:***S08 - Circuits and mechanisms of emotional behaviours***Juan Lerma**José Antonio Esteban García**Speakers:***Impact on circuit equilibrium and emotional behaviour of changing synaptic gain***Juan Lerma.* Instituto de Neurociencias CSIC-UMH, Alicante, Spain**The role of reward system in social motivation deficits in ASDs***Camilla Bellone.* University de Geneve, Switzerland**PI3K/PTEN signaling for synaptic plasticity and social behavior***José Antonio Esteban García.* Centro de Biología Molecular Severo Ochoa (CSIC/UAM), Madrid, Spain**Molecular mechanisms underlying autism spectrum disorders***Gaia Novarino.* Institute of Science and Technology Austria, Klosterneuburg, Austria**Short Oral Poster Teaser Presentations**

- **PS4-05 S08** VISUAL RESPONSE AUGMENTATION IN THE AWAKE MONKEY LGN, EFFECT OF CORTICAL MODULATION BY STATIC MAGNETIC STIMULATION. (*Pardo-Vazquez, José L.*)
- **PS4-06 S08** CASE REPORT: OLIGOD ENDROGLIOMA PRESENTING NEURAL MORPHOLOGICAL CHARACTERISTICS AND MARKERS OF UNDIFFERENTIATION. (*Ulloa Navas, M^a José*)
- **PS4-07 S08** NIGROSOMES AND MATRIX WITHIN THE VENTRAL SUBSTANTIA NIGRA OF MACAQUE MONKEYS: IDENTIFICATION AND DIFFERENTIAL VULNERABILITY TO MPTP DEGENERATION. (*Canada, Carmen*)
- **PS4-08 S08** MOLECULAR DETERMINANTS GOVERNING MICROGLIA PLASTICITY DURING NEUROINFLAMMATION. (*Navarrón Izquierdo, Carmen María*)

08:30-12:30

Exhibition hall

Poster Session 4**PS4 - 01 A PS4 - 98****11:00-11:30**

Exhibition hall

Coffee break

18TH NATIONAL MEETING OF THE SPANISH SOCIETY OF NEUROSCIENCE

12:30-13:30

Santiago PLENARY ROOM

Plenary Lecture

The female butterflies of the soul: a Journey from sex chromosomes to women's brains

Chair:

Amanda Sierra

IKERBASQUE, Basque Foundation for Science, Bilbao-Bizkaia, Spain

Vice-president of the Spanish Society of Neuroscience, SENC

Speaker:

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Luis Miguel García Segura

Research Professor in the Cajal Institute of the CSIC, Madrid, Spain

13:30-15:00

Lunch Break

13:30-15:00

Santiago PLENARY ROOM

Satellite Event 8

**¡Hablemos de sexo! Conversaciones sobre la ¿existencia? de la Brecha de Género en la Neurociencia
II Simposium Comité Mujeres en Neurociencia.**

SENC WiNS Committee

13:30-15:00

Obradoiro Room

Satellite Event 9

Animal experimentation in Neuroscience: an interactive debate

SENC CARE Committee

13:30-15:00

ROOM 2 - SALAS 13-14

Satellite Event 10

Open Neuroscience: Do it yourself

Alejandro Carretero Guillén, Javier Márquez Ruiz

15:00-17:30

Santiago PLENARY ROOM

S09 - Physiological, pathological and reprogrammed glio/ neurogenesis in the adult brain

Chairs:

Juan Manuel Encinas Pérez

María Llorens Martín

Speakers:

Glia-to-neuron reprogramming via unfolding of a neural stem cell program

Benedikt Berninger. Professor, Group Leader. Centre for Developmental Neurobiology Institute of Psychiatry, Psychology & Neuroscience King's College London, United Kingdom

Functional heterogeneity and dynamic of astrocytes in the adult mouse hippocampus

Ruth Beckervordersandforth. Group Leader, Friederich-Alexander Universität (FAU) Medizinische Fakultät, Institut Für Biochemie, Erlangen, Germany

Adult hippocampal neurogenesis and Alzheimer's disease

María Llorens Martín. Group Leader, Dept. de Neuropatología Molecular Centro de Biología Molecular Severo Ochoa (CBM), Madrid, Spain

Proinflammatory profile and mechanisms of induction of reactive neural stem cells

Juan Manuel Encinas Pérez. Ikerbasque Research Professor, Group Leader. Ikerbasque, the Basque Foundation for Science and Achucarro Basque Center for Neuroscience, Leioa, Bizkaia, Spain

Short Oral Poster Teaser Presentations

• **PS5-01 S09** REORGANIZATION OF BRAIN NETWORKS FOLLOWING LONG-TERM SENSORY LOSS. (*Vieites-Prado, Alba*)

• **PS5-02 S09** HISTONE DEACETYLASE INHIBITION PREVENTS AGE-ASSOCIATED HIPPOCAMPAL MEMORY DECLINE. (*Guillazo Blanch, Gemma*)

• **PS5-03 S09** A DEVELOPMENTAL THRESHOLD RELATING RETINAL AND V1 AREAS PREDICTS THE STRUCTURE OF V1 ORIENTATION PREFERENCE MAPS. (*Valiño, Arturo José*)

• **PS5-04 S09** INTRANASAL ADMINISTRATION OF EXOSOMES DERIVED FROM IFN- β -SECRETING MESENCHYMAL STEM CELLS REDUCES MICROGLIA-MEDIATED NEUROINFLAMMATION IN A MOUSE MULTIPLE SCLEROSIS MODEL. (*Estivill-Torrús, Guillermo*)

15:00-17:30

Obradoiro Room

Chair:

S10 - Cell type diversity in the hippocampus and its role in health and disease*Albert Giralte Torroella*

Speakers:

Specification of a CA1-pyramidal neuronal subtype and evaluation of its role during chronic stress*Albert Giralte Torroella*

Department of Biomedicine. Faculty of Medicine. University of Barcelona, Spain

Systemic regulation of adult neurogenesis*Pablo Esteban Jercog*

Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain

Interneuron diversity in hippocampal memory circuits

Pablo Méndez

Laboratorio de Microcircuitos Inhibitorios. Instituto Cajal (CSIC), Madrid, Spain

A sublayer specific network of interacting cell types underlying hippocampal sclerosis in CA1

Jose P. López-Atalaya

Instituto de Neurociencias (UMH-CSIC), Alicante, Spain

Short Oral Poster Teaser Presentations

- **PS5-05 S10** INHIBITORY GATING IN THE DENTATE GYRUS. (*Estarellas Martín, Cristian*)
- **PS5-06 S10** IGF-I MODULATES OREXIN NEURONS TO EXERT ITS ANXIOLYTIC FUNCTIONS. (*Fernández de Sevilla, M. Estrella*)
- **PS5-07 S10** PRESENCE AND CONTRIBUTIONS OF FEMALE NEUROSCIENTISTS IN THE CAJAL SCHOOL (1911-1945). (*De Castro, Fernando*)
- **PS5-08 S10** STATIC MAGNETIC FIELD STIMULATION OVER MOTOR CORTEX MODULATES RESTING FUNCTIONAL CONNECTIVITY IN HUMANS. (*Soto León, Vanesa*)

15:00-19:00

Exhibition hall

Poster Session 5

PS5 - 01 A PS5 - 95

17:30-18:00

Exhibition hall

Coffee break

19:00-20:30

Obradoiro Room

SENC Assembly

08:30-21:00

Exhibition Hall

Satellite Event 3

NEUROART EXHIBITION

NeuroART

21:30

Gala dinner

POSTER SESSIONS

POSTER SESSION 1 WEDNESDAY, 4TH SEPT 15:00 - 19:00

TOPICS	POSTERS
1. Developmental Neurobiology	09 - 27
2. Neuronal excitability, Synapses and Glia: Cellular mechanisms	28 - 41
3. Systems Neuroscience	42 - 60
4. Cognitive and Behavioral Neuroscience	61 - 78
6. Disorders and Nervous System repair	79 - 98

POSTER SESSION 2 THURSDAY, 5TH SEPT 8:30 - 12:30

TOPICS	POSTERS
1. Developmental Neurobiology	09 - 26
2. Neuronal excitability, Synapses and Glia: Cellular mechanisms	27 - 38
3. Systems Neuroscience	39 - 68
6. Disorders and Nervous System repair	69 - 98

POSTER SESSION 3 THURSDAY, 5TH SEPT 15:00 - 19:00

TOPICS	POSTERS
2. Neuronal excitability, Synapses and Glia: Cellular mechanisms	09 - 23
4. Cognitive and Behavioral Neuroscience	24 - 40
6. Disorders and Nervous System repair	41 - 73
8. New Methods and Technologies	74 - 93

POSTER SESSION 4 FRIDAY, 5TH SEPT 08:30 - 12:30

TOPICS	POSTERS
1. Developmental Neurobiology	09 - 26
3. Systems Neuroscience	27 - 50
4. Cognitive and Behavioral Neuroscience	51 - 70
6. Disorders and Nervous System repair	71 - 98

POSTER SESSION 5 FRIDAY, 5TH SEPT 15:00 - 19:00

TOPICS	POSTERS
2. Neuronal excitability, Synapses and Glia: Cellular mechanisms	09 - 22
4. Cognitive and Behavioral Neuroscience	23 - 37
5. Theoretical and Computational Neuroscience	38 - 41
6. Disorders and Nervous System repair	42 - 68 / 95
7. Homeostatic and Neuroendocrine systems	69 - 75
9. History, Teaching, Release and Ethics	76 - 77
10. Others	78 - 94



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Proyecto Neuronas

El “Proyecto Neuronas” es una obra colectiva realizada por los alumnos de segundo curso del ciclo superior de Escultura de **la EASD Mestre Mateo de Santiago de Compostela** y se expondrá en la entrada principal del Palacio de Congresos del 4 al 6 de septiembre.

Es una pieza modular que parte de una estructura geométrica muy sencilla, un hexaedro de alambre de acero que resulta ocupado por otro elemento, orgánico y complejo, de resina acrílica que representa una red neuronal. El tótem formado por 5 hexaedros apilados verticalmente nos servirá de reclamo y presentación de la obra y estará situado en la entrada del edificio; otros módulos sirven como una especie de mesas con sus taburetes ... un lugar para pensar. Estos elementos de carácter más contemplativo sitúan al espectador directamente ante la obra, un espacio que casi podríamos considerar infinito y que resulta ocupado por una red de neuronas; metáfora pues de la mente humana, un pequeño reducto lleno de infinitas conexiones y espacios.



**Manda
tus fotos
con el**

**Proyecto Neuronas a
#senc19neuroart !!!**

VENTAJAS DE SER MIEMBRO DE LA SENC		Tipo de miembro			
		Ordinario	Honorario	Estudiante	Asociado
SOCIEDAD ESPAÑOLA DE NEUROCIENCIA www.senc.es	obtener descuento en la inscripción del Congreso proponer simposios proponer actividades satélite presentarse como candidatos al premio Olympus participar en la Asamblea de la SENC	✓	✓	✓	✓
	En el Congreso bienal de la SENC, pueden	✓	✓	✓	✓
	Pueden presentar propuestas para la organización de la <i>Cajal Conference</i>	✓	✓	✓	✓
	Obtienen descuentos en la inscripción de la <i>Cajal Conference</i> / pueden solicitar ayudas de viaje para asistir a la misma	✓	✓	✓	✓
	Pueden solicitar ayudas para organizar	✓	✓	✓	✓
	eventos durante la Semana del Cerebro	✓	✓	✓	✓
	eventos durante la Semana de la Ciencia	✓	✓	✓	✓
	otras actividades del interés de los socios de la SENC	✓	✓	✓	✓
	Pueden solicitar ayudas de viaje para asistir al Congreso de la SENC / de la FENS / del SIN	✓	✓	✓	✓
	Pueden proponer iniciativas para desarrollarse en el seno de la SENC	✓	✓	✓	✓
	Pueden participar en el programa de mentorización (como mentor o como mentorizado)	✓	✓	✓	✓
	Pueden participar en la organización de actividades propuestas desde los Comités de la SENC (exposiciones, charlas, etc.)	✓	✓	✓	✓
	Pueden participar en el concurso de NeuroART (primer premio y accésit)	✓	✓	✓	✓
	ser miembro de la Comisión de Candidaturas	✓	✓	✓	✓
	ser miembro del Comité de Programas	✓	✓	✓	✓
	presidente de la Junta Directiva	✓	✓	✓	✓
	vocal de la Junta Directiva	✓	✓	✓	✓
	acuerdos en la Asamblea General	✓	✓	✓	✓
	a los miembros de la Comisión de Candidaturas	✓	✓	✓	✓
	a los miembros del Comité de Programas	✓	✓	✓	✓
	al presidente de la Junta Directiva	✓	✓	✓	✓
	a los vocales de la Junta Directiva	✓	✓	✓	✓
	premios y reconocimientos neurocientíficos con el apoyo de la SENC	✓	✓	✓	✓
	puestos en las Sociedades a las que la SENC pertenece (FENS, IBRO)	✓	✓	✓	✓
	obtener descuento en la inscripción de la FENS Forum y del Congreso Regional de la FENS (FRM)	✓	✓	✓	✓
	obtener descuento en la inscripción de <i>The Brain Conferences</i>	✓	✓	✓	✓
	solicitar diversas becas y ayudas de programas de la FENS	✓	✓	✓	✓
	solicitar ayudas de viaje para asistir a la FENS Forum, para la IBRO y para el SIN	✓	✓	✓	✓
	solicitar el pago del <i>Abstract</i> de la SIN junto con la reducción en la inscripción	✓	✓	✓	✓
	tener acceso gratuito a la revista EUN en la versión <i>on-line</i> y precio reducido en la versión de papel	✓	✓	✓	✓
Los miembros de la SENC son también miembros de la FENS, por lo que pueden	publicar de forma gratuita en la revista EUN para los artículos aceptados	✓	✓	✓	✓
	comprar de libros con ofertas especiales para los miembros de la FENS	✓	✓	✓	✓
	enviar ofertas de trabajo en la aplicación <i>Job Market</i> (los no socios tienen que pagar) de forma ilimitada	✓	✓	✓	✓
	subscribirse con descuentos en varias revistas de Neurociencia	✓	✓	✓	✓
	Los miembros de la SENC son	✓	✓	✓	✓
	obtener descuento en la inscripción del Congreso de la IBRO	✓	✓	✓	✓
	también miembros de la IBRO, por	✓	✓	✓	✓
	lo que pueden	✓	✓	✓	✓
	solicitar diversas becas y ayudas de programas la IBRO	✓	✓	✓	✓
	Pueden obtener descuentos en la suscripción de la revista MENTE y CEREBRO	✓	✓	✓	✓

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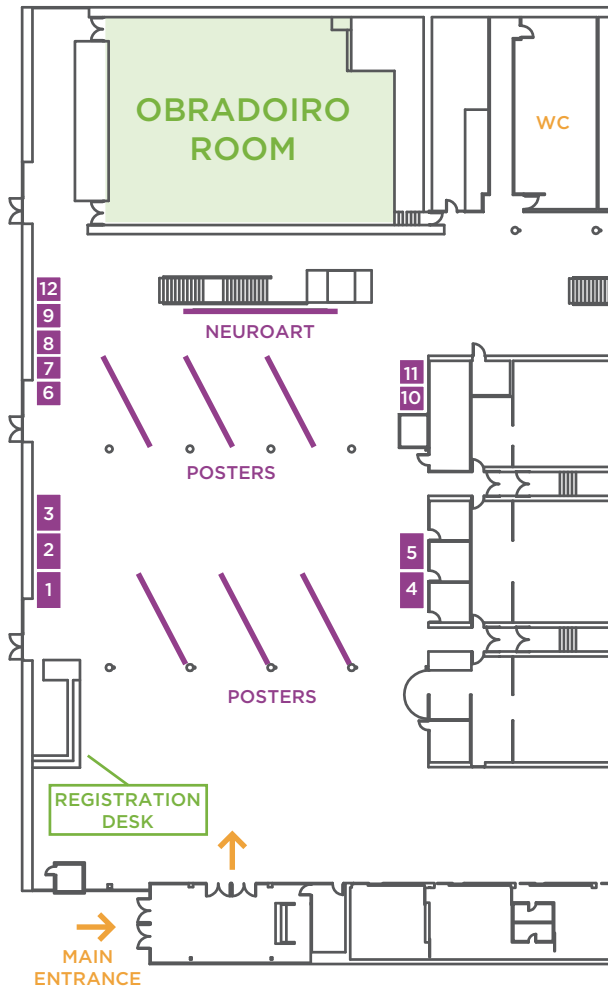
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NOTES



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