SAN2020
E-BOOK

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Program

	Oct 7	Oct 8	Oct 9
9:00 - 11:00	**Symposia Wed-S1 to Wed-S4:** Beckwith & de la Fuente, Falzone & Jerusalinsky, Kochen, Rayes.	**Symposia Thu-S5 to Thu-S9:** Amador, Bellini, Bianchi & Kamienkowski, Locatelli & Sumbre, Rossetti.	**Symposia Fri-S10 to Fri-S14:** Espósito & Morgenstern, Goldin, Pigino, Berardino & Sonzogni, Tagliazucchi
11:30 - 12:30	"Eduardo De Robertis" Plenary Lecture **Gustavo Murer: What mechanisms underlie Parkinson's disease symptoms?**	Plenary Lecture: **Zhigang He: From axon regeneration to function recovery after CNS injury**	Plenary Lecture: **Tracy Bale: 50 years since Leloir's Nobel: Maternal stress and energy signals critical to neurodevelopment.**
12:30 - 13:30		Latbrain Initiative	
13:30 - 14:30	Políticas de Ciencia y Técnica en Argentina		IBRO LARC CEPAL: Gender Survey Results
14:30 - 15:30	Young Investigator Talks: Wed-YIT-1 to Wed-YIT-4	Young Investigator Talks: Thu-YIT-5 to Thu-YIT-8	Oral Communications
16:00 - 17:00	Plenary Lecture: **Kay Tye: Neural Representations of Social Homeostasis**	"Hector Maldonado" Plenary Lecture: **Sheena Josselyn: Making memories in mice.**	"Ranwell Caputto" Plenary Lecture: **Juana Pasquini: Cinco décadas de Neurociencias en América Latina: Siguiendo los pasos de Ranwel Caputto**
17:00 - 19:30	E-Poster **Session 1**	E-Poster **Session 2**	E-Poster **Session 3**
19:30 - 21:00	Looking for a postdoc abroad? Tips for international postdoc interviews.	Asamblea SAN	

Oral Communications

surround is repulsive: It enhances the perceptual difference between stimulus and surround. We performed psychophysical experiments to quantify the repulsion. To report the results, a notion of distance in color space was required. We therefore proposed an individually tailored metric in color space that captured the perceptual abilities of each observer. To define the metric, we determined the minimal chromatic difference between a stimulus and its surround required by each subject to detect the stimulus. Next, observers performed discrimination experiments between two spatially localized stimuli presented in a surround of a different chromaticity. The surrounding color affected the discrimination thresholds. Quite remarkably, when these thresholds were expressed in the color coordinates defined before, the change in thresholds followed a simple law that only depended on the distance between the surround and the two compared stimuli. Perceptual coordinates, hence,

Friday · Oct 9th

OC-3

Chair: Alejandra Pacchioni

reveal the symmetry of the repulsion effect. This finding was confirmed with a third experiment, in which subjects were asked to match the color of two stimuli presented in two different surrounds.

Specific tyrosine phosphorylation of α7 nicotinic receptor modulates its ionotropic and metabotropic responses

JUAN FACUNDO CHRESTIA

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The α7 nicotinic acetylcholine receptor in neurons is associated to neurological and neurodegenerative disorders. α7 is also expressed in glial and immune cells, where it plays a role in neuroprotection and inflammation. Protein phosphorylation is an important regulatory mechanism involved in physiological and pathological processes. We investigated the role of tyrosine phosphorylation of α7 in its dual ionotropic/metabotropic function. In cells expressing α7, single-channel activity appears as brief isolated openings and episodes of few openings in quick succession (bursts). Inhibition of Src family kinases by PP2 as well as co-expression of α7 with an inactive Src kinase increase the duration and frequency of bursts, while inhibition of tyrosine phosphatases decreases open and burst durations without affecting channel amplitude. A mutant α7 lacking