811 This Week in The Journal

Editorial

812 A Taste of the SfN Annual Meeting
Marina R. Picciotto

Symposium and Mini-Symposium

813 The Logic of Developing Neocortical Circuits in Health and Disease
Ileana L. Hanganu-Opatz, Simon J. B. Butt, Simon Hippenmeyer, Natalia V. De Marco García, Jessica A. Cardin, Bradley Voytek, and Alysson R. Muotri

823 Engulfed by Glia: Glial Pruning in Development, Function, and Injury across Species
Stephan Raiders, Taeho Han, Nicole Scott-Hewitt, Sarah Kucenas, Deborah Lew, Mary A. Logan, and Aakanksha Singhvi

834 Liquid-Liquid Phase Separation in Physiology and Pathophysiology of the Nervous System
Yasunori Hayashi, Lenzie K. Ford, Luana Fioriti, Leeanne McGurk, and Mingjie Zhang

845 Spinal Interneurons as Gatekeepers to Neuroplasticity after Injury or Disease
Lyandysha V. Zholudeva, Victoria E. Abraira, Kajana Satkunendrarajah, Todd C. McDevitt, Martyn D. Goulding, David S. K. Magnuson, and Michael A. Lane

855 The Neuroimmunology of Chronic Pain: From Rodents to Humans
Peter M. Grace, Vivianne L. Tawfik, Camilla I. Svensson, Michael D. Burton, Marco L. Loggia, and Mark R. Hutchinson

866 Neural Encoding and Representation of Time for Sensorimotor Control and Learning
Ramesh Balasubramaniam, Saskia Haegens, Mehrdad Jazayeri, Hugo Merchant, Dagmar Sternad, and Joo-Hyun Song

873 From Circuits to Chromatin: The Emerging Role of Epigenetics in Mental Health
Philipp Mews, Erin S. Calipari, Jeremy Day, Mary Kay Lobo, Timothy Bredy, and Ted Abel

Ueli Rutishauser, Leila Reddy, Florian Mormann, and Johannes Sarnthein

891 Hallucinogens in Mental Health: Preclinical and Clinical Studies on LSD, Psilocybin, MDMA, and Ketamine
Danilo De Gregorio, Argel Aguilar-Valles, Katrin H. Preller, Boris Dov Heifets, Meghan Hibicke, Jennifer Mitchell, and Gabriella Gobbi

Cover legend: This image highlights some of the complexity of the lumbar spinal cord in an adult rat.

The cross section shows diverse populations of neurons (red) surrounded by catecholaminergic axons (green). Smaller neurons are located dorsally (toward the top of the image) while larger neurons (putative motor neurons, purple) are more ventral. Diverse cholinergic neurons (blue), including motor neurons, are distributed through the dorsal, intermediate, and ventral parts of the spinal cord. Spinal neurons receive heterogeneous input from the brain, other spinal levels, and primary afferents (note the small piece of dorsal root tissue attached on the left dorsal surface). The highly diverse populations of spinal interneurons are described in the Minisymposium Review article by Zholudeva et al. (pages 845–854).

Cover Image: Lyandysha V. Zholudeva.
901 **Limbic Neuropeptidergic Modulators of Emotion and Their Therapeutic Potential for Anxiety and Post-Traumatic Stress Disorder**
Paul J. Marvar, Raúl Andero, Rene Hurlemann, Tiffany R. Lago, Moriel Zelikowsky, and Joanna Dabrowska

911 **Systems Neuroscience of Natural Behaviors in Rodents**

920 **The Ontogeny of Hippocampus-Dependent Memories**
Flavio Donato, Cristina M. Alberini, Dima Amso, George Dragoi, Alex Dranovsky, and Nora S. Newcombe

927 **Highlights from the Era of Open Source Web-Based Tools**
Kristin R. Anderson, Julie A. Harris, Lydia Ng, Pjotr Prins, Sara Memar, Bengt Ljungquist, Daniel Fürth, Robert W. Williams, Giorgio A. Ascoli, and Dani Dumitriu

937 **Patch-seq: Past, Present, and Future**
Marcela Lipovsek, Cedric Bardy, Cathryn R. Cadwell, Kristen Hadley, Dmitry Kobak, and Shreejoy J. Tripathy

**Research Articles**

**CELLULAR/MOLECULAR**

947 **ELAV Proteins Bind and Stabilize C/EBP mRNA in the Induction of Long-Term Memory in Aplysia**
Anastasios A. Mirisis, Ashley M. Kopec, and Thomas J. Carew

960 **Impact of Acute and Persistent Excitation of Prelimbic Pyramidal Neurons on Motor Activity and Trace Fear Learning**
Timothy R. Rose, Ezequiel Marron Fernandez de Velasco, Baovi N. Vo, Megan E. Tipps, and Kevin Wickman

**DEVELOPMENT/PLASTICITY/REPAIR**

972 **Chondroitinase and Antidepressants Promote Plasticity by Releasing TRKB from Dephosphorylating Control of PTPσ in Parvalbumin Neurons**
Angelina Lesnikova, Plinio Cabrera Casarotto, Senem Merve Fred, Mikko Voipio, Frederike Winkel, Anna Steinzeig, Hanna Antila, Juzoh Umemori, Caroline Biojone, and Eero Castrén

981 **How Behavior Shapes the Brain and the Brain Shapes Behavior: Insights from Memory Development**
Fengji Geng, Morgan Botdorf, and Tracy Riggins

**SYSTEMS/CIRCUITS**

991 **Mossy Cells in the Dorsal and Ventral Dentate Gyrus Differ in Their Patterns of Axonal Projections**
Carolyn R. Houser, Zechun Peng, Xiaofei Wei, Christine S. Huang, and Istvan Mody

1005 **Extensive Cortical Convergence to Primate Reticulospinal Pathways**

**BEHAVIORAL/COGNITIVE**

1019 **Finding Distributed Needles in Neural Haystacks**
Christopher R. Cox and Timothy T. Rogers

1033 **Stimulus-Specific Visual Working Memory Representations in Human Cerebellar Lobule VIIb/VIIia**
James A. Brissenden, Sean M. Tobyne, Mark A. Halko, and David C. Somers
Circadian-Dependent and Sex-Dependent Increases in Intravenous Cocaine Self-Administration in Npas2 Mutant Mice

Asymmetry of Auditory-Motor Speech Processing is Determined by Language Experience
Ding-lan Tang, Riikka Möttönen, Salomi S. Asaridou, and Kate E. Watkins

The Neurophysiological Basis of the Trial-Wise and Cumulative Ventriloquism Aftereffects
Hame Park and Christoph Kayser

 Representation of Fear of Heights by Basolateral Amygdala Neurons
Jun Liu, Longnian Lin, and Dong V. Wang

Multimodal Imaging Brain Markers in Early Adolescence Are Linked with a Physically Active Lifestyle
Piergiorgio Salvan, Thomas Wassenaar, Catherine Wheatley, Nicholas Beale, Michiel Cottaar, Daniel Papp, Matteo Bastiani, Sean Fitzgibbon, Euguene Duff, Jesper Andersson, Anderson M. Winkler, Gwenaëlle Douaud, Thomas E. Nichols, Stephen Smith, Helen Dawes, and Heidi Johansen-Berg

Peripheral Myeloid Cell EP2 Activation Contributes to the Deleterious Consequences of Status Epilepticus

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department at membership@sfn.org or 202-962-4911.

For current submission policies and manuscript preparation guidelines, authors should refer to our Information for Authors at https://www.jneurosci.org/content/information-authors.

Manuscripts should be submitted online at https://jneurosci.msubmit.net. Please contact the Central Office with any questions at jn@sfn.org or 202-962-4000.