



Cover legend: The confocal image shows defects in cochlear Hensen cells after perinatal deletion of Notch ligand Jagged1. Cross-sections of stage P7 Jagged1 mutant cochlear tissue were immuno-stained for hair cells (parvalbumin, blue), supporting cells (SOX2, green) and FABP7 expressing supporting cell-subtypes, including Hensen cells, located at the lateral edge of the sensory epithelium (FABP7, magenta). In the absence of JAGGED1, Hensen cells downregulate FABP7 protein expression and degenerate or convert into adjacent Claudius cells. For more information, see the article by Chrysostomou et al. (pages pages 9401–9413). Cover Image: Elena Chrysostomou (Johns Hopkins University School of Medicine).

9343 This Week in The Journal

Journal Club

- 9344 **Spinocerebellar Ataxia Type 6: A Disorder of Connectivity?**
Max Teaford

Research Articles

CELLULAR/MOLECULAR

- 9346 **The Input-Output Relation of Primary Nociceptive Neurons is Determined by the Morphology of the Peripheral Nociceptive Terminals**
Omer Barkai, Rachely Butterman, Ben Katz, Shaya Lev, and Alexander M. Binshtok
- 9364 **Mechanosensory Signaling in Astrocytes**
Egor A. Turovsky, Alice Braga, Yichao Yu, Noemi Esteras, Alla Korsak, Shefteeq M. Theparambil, Anna Hadjihambi, Patrick S. Hosford, Anja G. Teschemacher, Nephtali Marina, Mark F. Lythgoe, Philip G. Haydon, and Alexander V. Gourine
- 9372 **Disentangling the Roles of RIM and Munc13 in Synaptic Vesicle Localization and Neurotransmission**
Fereshteh Zarebidaki, Marcial Camacho, Marisa M. Brockmann, Thorsten Trimbuch, Melissa A. Herman, and Christian Rosenmund

DEVELOPMENT/PLASTICITY/REPAIR

- 9386 **Monocytic Infiltrates Contribute to Autistic-like Behaviors in a Two-Hit Model of Neurodevelopmental Defects**
Hong-Ru Chen, Ching-Wen Chen, Nandita Mandhani, Jonah C. Short-Miller, Marchelle R. Smucker, Yu-Yo Sun, and Chia-Yi Kuan
- 9401 **The Notch Ligand Jagged1 Is Required for the Formation, Maintenance, and Survival of Hensen's Cells in the Mouse Cochlea**
Elena Chrysostomou, Luyi Zhou, Yuanzhao L. Darcy, Kaley A. Graves, Angelika Doetzlhofer, and Brandon C. Cox

SYSTEMS/CIRCUITS

- 9414 **Synaptic Organization of Anterior Olfactory Nucleus Inputs to Piriform Cortex**
Marco J. Russo, Kevin M. Franks, Roxanne Oghaz, Richard Axel, and Steven A. Siegelbaum
- 9426 **Descending Modulation of Laryngeal Vagal Sensory Processing in the Brainstem Orchestrated by the Submedial Thalamic Nucleus**
Stuart B. Mazzone, Tara G. Bautista, Anthony J. M. Verberne, Matthew W. Trewella, Michael J. Farrell, and Alice E. McGovern

- 9440 State-Dependent Cortical Unit Activity Reflects Dynamic Brain State Transitions in Anesthesia**
Heonsoo Lee, Shiyong Wang, and Anthony G. Hudetz
- 9455 ERα Signaling in GHRH/Kiss1 Dual-Phenotype Neurons Plays Sex-Specific Roles in Growth and Puberty**
David Garcia-Galiano, Alexandra L. Cara, Zachary Tata, Susan J. Allen, Martin G. Myers Jr, Ernestina Schipani, and Carol F. Elias

BEHAVIORAL/COGNITIVE

- 9467 Linguistic Structure and Meaning Organize Neural Oscillations into a Content-Specific Hierarchy**
Greta Kaufeld, Hans Rutger Bosker, Sanne ten Oever, Phillip M. Alday, Antje S. Meyer, and Andrea E. Martin
- 9476 Low-Level Visual Information Is Maintained across Saccades, Allowing for a Postsaccadic Handoff between Visual Areas**
Jasper H. Fabius, Alessio Fracasso, David J. Acunzo, Stefan Van der Stigchel, and David Melcher
- 9487 Spatially Specific Working Memory Activity in the Human Superior Colliculus**
Masih Rahmati, Kevin DeSimone, Clayton E. Curtis, and Kartik K. Sreenivasan
- 9496 Task-Irrelevant Visual Forms Facilitate Covert and Overt Spatial Selection**
Amarender R. Bogadhi, Antimo Buonocore, and Ziad M. Hafed
- 9507 Hippocampal Theta Oscillations Support Successful Associative Memory Formation**
Srinivas Kota, Michael D. Rugg, and Bradley C. Lega

NEUROBIOLOGY OF DISEASE

- 9519 Lysophospholipids Contribute to Oxaliplatin-Induced Acute Peripheral Pain**
Vittoria Rimola, Lisa Hahnefeld, Junli Zhao, Changyu Jiang, Carlo Angioni, Yannick Schreiber, Tabea Osthuus, Sandra Pierre, Gerd Geisslinger, Ru-Rong Ji, Klaus Scholich, and Marco Sisignano
- 9533 CREB Coactivator CRTC2 Plays a Crucial Role in Endothelial Function**
Hideaki Kanki, Tsutomu Sasaki, Shigenobu Matsumura, Tomohiro Kawano, Kenichi Todo, Shuhei Okazaki, Kumiko Nishiyama, Hiroshi Takemori, and Hideki Mochizuki

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.