NEWS

Neural recordings in freely moving mice; MBD5 variant

BY **MICHAEL FERGENSON**

10 SEPTEMBER 2023

Jakob Voigts of the Janelia Research Campus shared his **preprint**, “A unified open-source platform for multimodal neural recording and perturbation during naturalistic behavior,” posted on bioRxiv 1 September.

> We still have a postdoc position in my lab at **@HHMIJanelia** where we use approaches like this to figure out how mice can quickly learn flexible computations by building and using models of their environment. Get in touch if this sound fun and interesting! **https://t.co/fsyPst3RmI**
>
> — Jakob Voigts (@jvoigts) **September 5, 2023**

Guido Meijer of Radboud Universiteit, **Ranier Gutiérrez** of the Center for Research and Advanced Studies of the National Polytechnic Institute, and **Michael Goard** of the University of California, Santa Barbara, commented on Voigts’ preprint.

> The ONIX system is a game-changer for systems neuroscience ???????? **https://t.co/lMKvibYB20**
>
> — Guido Meijer (@guido_meijer) **September 5, 2023**

> This is exactly where system neuroscience should move on! Bravo Now next step lets record day and night **https://t.co/5XG9JrAske**
>
> — Ranier Gutierrez (@GutierrezRanier) **September 5, 2023**

> Naming suggestion for your chamber: The Giant's Causeway maze **pic.twitter.com/XFaf8RwlKj**
>
> — Michael Goard (@GoardMichael) **September 5, 2023**

Catarina Seabra of the University of Coimbra shared her **study**, “A novel genetic variant in MBD5 associated with severe epilepsy and intellectual disability: Potential implications on neural primary cilia,” published in the *International Journal of Molecular Sciences* 9 August. *Spectrum* **covered** Seabra’s work on MBD5 earlier this year.

Vicki Gibbs of Autism Spectrum Australia shared the **editorial**, “The old and the new way of understanding autistic lives: Reflections on the life of Donald Triplett, the first person diagnosed as autistic,” published in *Autism* 4 September. *Spectrum* **covered** Triplett’s passing in June.

> “ Positive outcomes, like those of Mr Triplett, are likely to arise from a good person–environment fit, where the demands and features of the environment are aligned and compatible with the capacities, motivations, and values of the individual” ? **https://t.co/EuQNBmjV3n**
>
> — Dr Vicki Gibbs (@vicki_gibbs1) **September 4, 2023**

Bhismadev Chakrabarti of the University of Reading shared his team’s **study**, “Greater interpersonal distance in adults with autism,” published in *Autism Research* 1 September.

> How close is too close for comfort? Thrilled to share our first immersive virtual reality study, led by **@MartinaFusaro** showing that **#autistic** people prefer a greater interpersonal distance when they approach others or are being approached by others. **https://t.co/JpiXkTppUG**
>
> — Bhisma Chakrabarti (@bhismadev) **September 5, 2023**

Mark Zylka of the University of North Carolina at Chapel Hill and **Amar Sahay** of Harvard University commented on the **study**, "AAV-based in vivo gene therapy for neurological disorders," published in *Nature Reviews Drug Discovery* 1 September.

> Nice review from Steven Grey et al. Sup tables are also nice, shows AAV doses used in preclinical studies. **https://t.co/mbhJh5vZOx**
>
> — Mark Zylka (@MarkZylka) **September 5, 2023**

> Exciting times ahead ushering in hope tempered by diligent optimization: "preclinical research is addressing new frontiers of gene supplementation for neurological disorders, with a focus on mitochondrial and neurodevelopmental disorders." **https://t.co/Vdtr5seWZ0**
>
> — Amar Sahay (@AmarSahay_) **September 4, 2023**

Felix Leroy of Universidad Miguel Hernández described his team's **study**, "Corticotropin-releasing hormone signaling from prefrontal cortex to lateral septum suppresses interaction with familiar mice," published in *Cell* 4 September.

> I'm elated to share the first research article from the lab. This would not have been

> possible without the hard work from my lab members and collaborators. I also have a special thought for our co-author, Jay Shulkin, who passed away recently. See thread in the tweet below. **https://t.co/zIV8SXuNNq**
>
> — Felix Leroy (@FelixFelxfel) **September 4, 2023**

Daniel Woike of the University Medical Center Hamburg, Eppendorf shared his **study**, "The SHANK/ProSAP N-terminal (SPN) domain of SHANK3 regulates targeting to postsynaptic sites and postsynaptic signaling," published in *Molecular Neurobiology* 1 September.

Joseph LeDoux of New York University posted an **announcement**.

> 2/I have been a neuroscientist for roughly fifty years, and have been at NYU for thirty-four of those. I have had a wonderful career, but the time has come to focus on other endeavors, especially writing books and making music.
>
> — Joseph E. LeDoux (@theamygdaloid) **August 31, 2023**

Jill Silverman of the University of California, Davis shared the **article**, "Trials test utility of EEG biomarkers for autism-related conditions," published in *Spectrum* 31 August.

Jennifer Lawlor of the University of Kansas commented on the **article**, "Scammers threaten quality of research survey data," published in *Spectrum* 24 August.

That's it for this week's Community Newsletter! If you have any suggestions for interesting social posts you saw in the autism research sphere, feel free to send an email to **michael@spectrumnews.org**.

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