

Partial Publication List for AquaScan/Customized TopScan

June 2026
Clever Sys Inc

- Banerjee S, Earl CW, Robson SC, Szyszka P and Beck CW (2026) Seizures, increased interhemispheric synchrony, altered brain transcriptomics and a leaky blood–brain barrier result from loss of ap3b2 in a CRISPR tadpole model of DEE48. *Front. Neurol.* 17:1777738. doi: 10.3389/fneur.2026.1777738
- Panthi S, Chapman PA, Szyszka P, Beck CW. Characterisation and automated quantification of induced seizure-related behaviours in *Xenopus laevis* tadpoles. *J Neurochem.* 2024 Dec;168(12):4014-4024. doi: 10.1111/jnc.15836. Epub 2023 May 17. PMID: 37129175; PMCID: PMC11591405.
- Sulagna Banerjee, Paul Szyszka, Caroline W Beck, Knockdown of NeuroD2 leads to seizure-like behavior, brain neuronal hyperactivity and a leaky blood-brain barrier in a *Xenopus laevis* tadpole model of DEE72, *Genetics*, Volume 227, Issue 3, July 2024, iyae085, <https://doi.org/10.1093/genetics/iyae085>
- Sandesh Panthi, Paul Szyszka, Caroline W. Beck. Expression of mRNA encoding two gain-of-function cyfip2 variants associated with DEE65 results in spontaneous seizures in *Xenopus laevis* tadpoles. *bioRxiv* 2022.12.07.519540; doi: <https://doi.org/10.1101/2022.12.07.519540>