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BRIEF COMMUNICATION

Online only: The following articles can be accessed in the electronic version of this issue at onlinelibrary.wiley.com

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Drug repurposing for Dravet syndrome in *scn1Lab^{-/-}* mutant zebrafish

Jo Sourbron, Michèle Partoens, Chloë Scheldeman, Yifan Zhang, Lieven Lagae, and Peter de Witte

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Using a zebrafish model of Dravet syndrome (DS), we examined the possibility to repurpose some marketed medicines with a serotonergic on- or off-target profile as AED for DS. To examine their potential broader antiseizure profile, we also tested the compounds in a pentylenetetrazol (PTZ) and a treatment-resistant ethyl ketopentenoate (EKP) zebrafish model. Our preclinical results show that lisuride could be a potential candidate for DS treatment. Efavirenz was active in all models, and hence these data are potentially important for future treatment of drug-resistant epilepsy.

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