
CDKL5 Program of Excellence 2022 Pilot Grant Program

Project Title: “Computational drug repurposing for CDKL5 Deficiency Disorder”

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Drug repurposing, or repositioning, aims at finding a new therapeutic application of a drug already approved in clinics but for a different purpose. For example, aspirin has been repurposed also as a blood thinner for patients at risks for cardiovascular diseases. In this project, we aim at repositioning drugs for the treatment of CDD using computational approaches to sift through thousands of drugs and select the most promising ones and to experimentally validate them. The output of the project will be a selection of one or more drugs with potential therapeutic benefits for the treatment of CDD patients.