

## Open tools and services for efficient data management, collaboration and data publication



LUDWIGMAXIMILIANSUNIVERSITÄT
MÜNCHEN

Michael Sonntag¹, Achilleas Koutsou¹, Jan Grewe², Thomas Wachtler¹

<sup>1</sup>German Neuroinformatics Node, Department of Biology II, Ludwig-Maximilians-Universität München, Martinsried, Germany; <sup>2</sup>Institute for Neurobiology, Eberhard-Karls-Universität Tübingen, Tübingen, Germany

Maintaining reproducible analysis workflows while keeping data in sync, backed up, and accessible from within and outside the lab is a growing challenge in research. To facilitate these tasks, the G-Node provides tools and services for research data management that are designed to seamlessly integrate with and support the scientist's lab data workflows. Specifically, these tools address key components of efficient data management: Metadata collection, data organization and storage, and reproducible data workflows, sharing and publication.

