

Neuroscience Data

A number of online neuroscience databases are available which provide information regarding gene expression, neurons, macroscopic brain structure, and neurological or psychiatric disorders.

Poline et al. considered the critical [issue](#) of [data](#) and other [research](#) object [standardization](#) and, specifically, how international [collaboration](#) and [organizations](#) such as the [International Neuroinformatics Coordinating Facility](#) (INCF) can encourage that emerging neuroscience data to be Findable, Accessible, Interoperable, and Reusable (FAIR). As neuroscientists engaged in the [sharing](#) and integration of [multi-modal](#) and multiscale data, they saw the current insufficiency of [standards](#) as a major impediment in the [Interoperability](#) and Reusability of research results. They called for increased international collaborative [standardization](#) of [neuroscience](#) data to foster [integration](#) and efficient reuse of [research objects](#) ¹⁾.

¹⁾

Poline JB, Kennedy DN, Sommer FT, Ascoli GA, Van Essen DC, Ferguson AR, Grethe JS, Hawrylycz MJ, Thompson PM, Poldrack RA, Ghosh SS, Keator DB, Athey TL, Vogelstein JT, Mayberg HS, Martone ME. Is Neuroscience FAIR? A Call for Collaborative Standardisation of [Neuroscience Data](#). Neuroinformatics. 2022 Jan 21. doi: 10.1007/s12021-021-09557-0. Epub ahead of print. PMID: 35061216.

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