

Stephen Whitmarsh

*Operational Head — Data Analysis Core,
Paris Brain Institute*

Advancing neuroscience discoveries through FAIR data, open science, and interdisciplinary collaboration

Châtenay-Malabry
Île-de-France, France
☎ +33 (0)7 xx xx xx xx
✉ stephen.whitmarsh@icm-institute.org

Profile

Neuroscientist and data science leader with over 15 years' experience. As operational head of the bioinformatics and data management core facility at the Paris Brain Institute, advanced FAIR/open science, developed technology strategy and partnerships. Experienced in leading teams, aligning research with institutional goals, and fostering interdisciplinary collaboration.

Key Facts: Leading a team of 17 staff, managing a €1.5 M budget and annual turnover exceeding €0.3 M, supporting 100+ research projects across 50+ academic teams and industrial partners.

Vision & Strategic Priorities

I build FAIR-driven, interdisciplinary innovation where neuroscience, data science, and clinical research intersect with technology and society. My priorities are to strengthen research quality and innovation through sustainable infrastructures and team building that enable collaboration across disciplines, break down silos, and create public and private partnerships and align communities of diverse skills, talents and ambitions.

- Ensure scientific openness, transparency and integrity.
- Build sustainable infrastructures supporting interdisciplinary research and knowledge exchange.
- Foster international and cross-sector partnerships across science, technology, and culture.

Selected Leadership Achievements

- Transformed the Data Analysis Core into a multidisciplinary data science facility.
- Animated and advocated the institute's FAIR data policy and open science strategy towards shared standards across research teams and core facilities.
- Reinforced collaboration and knowledge exchange between internal teams, external bioinformatics platforms, and neuroscience institutions, enabling joint responses to emerging technologies.

Experience

2023–Present **Operational Head, Paris Brain Institute, Paris, France**

- Reorganized and expanded the Data Analysis Core, recruiting new specialists across data science domains, including AI, and aligned staff expertise with institutional missions.
- Implemented workload and project management systems and processes and a transparent pricing model, ensuring efficiency, sustainability and accountability.
- Directed strategy and implementation for FAIR data and open science, embedding shared practices across research teams and platforms.

- 2018–2023 **Research Leadership**, *Paris Brain Institute*, Paris, FR
- Coordinated interdisciplinary Sci-Art ANR project (*Brain Body Digital Music Instruments*), linking neuroscience, electrophysiology, and open-source technology.
 - Led translational epilepsy research and developed a multimodal analysis platform adopted in collaborative projects under Prof. Vincent Navarro.
- 2015–2018 **Postdoctoral Researcher**, *École Normale Supérieure*, Paris, FR
- Researched brain–viscera dynamics (MEG, EGG) under PI Catherine Tallon-Baudry.
 - Developed interdisciplinary methods connecting physiology and cognitive neuroscience.
- 2013–2015 **Lab Manager**, *NatMEG, Karolinska Institute*, Stockholm, SE
- Helped establish Sweden's first national MEG facility as MEG expert.
 - Promoted the facility nationally and internationally as a reference infrastructure.
- 2006–2013 **Early Career Contributions**, *Donders Institute & University of Amsterdam*, NL
- Member of the [FieldTrip](#) development team, advancing open-source neuroimaging tools.
 - Freelance researcher supporting behavioral, neuroimaging, and electrophysiology projects at the University of Amsterdam.

Institutional Representation & Partnerships

- Represent the Paris Brain Institute in national (€20 M MuDIS4LS) and European consortia, advancing shared infrastructures for FAIR data.
- Active member of Institut des Sciences Biologiques (INSB), [Institut Français de Bioinformatique \(IFB\)](#), [GT-GeDeM](#), and Global Initiatives (Reproducibility Network), contributing to collective frameworks and infrastructures in life sciences.
- Co-founder of [EEGsynth.org](#) (art–science, open-source BCI) and [OuUnPo.org](#) (pan-European Sci-Art research collective).

Education

- 2008–2012 **PhD, Cognitive Neuroscience**, *Donders Institute*, Netherlands
- 2012–2015 **MA, Culture and Media Production**, *Linköping University*, Sweden
- 1999–2005 **MSc, Cognitive Psychology**, *University of Amsterdam*, Netherlands

Skills & Competencies

- Leadership** Strategic planning, institutional representation, interdisciplinary engagement, change management, team building, and career development.
- Infrastructure** FAIR/Open Science policy, data governance, and platform development.
- Partnerships** Driving engagement with academic, clinical, cultural, and industrial stakeholders.
- Technical** Data science (Python, R, MATLAB) & neuroscience methods (EEG, MEG, electrophysiology, imaging, machine learning).
- Languages** English & Dutch (bilingual), French (B2 working proficiency).

Additional Information

Detailed lists of workshops, art–science activities, media features, publications, and conference presentations are provided in the **Annex to this CV**.