

Curriculum Vitae

Desdemona FRICKER

55 years, born on 28/05/1969 in Augsburg (nationality: German)
Director of Research, Centre National de la Recherche Scientifique, CNRS.
ORCID number : 0000-0001-7328-9480
CNRS Laboratory UMR8003, Saints-Pères Paris Institute for the Neurosciences,
Université Paris Cité, Paris, France
email: desdemona.fricker@cnrs.fr
www.sppin.fr/the-teams/team-8-orientation-and-coordination/

Education

- 2013:** Habilitation à Diriger des Recherches, Sorbonne University, Paris.
- 2000:** PhD thesis “Pharmacologie Moléculaire et Cellulaire”, Sorbonne University, Paris.
- 1995:** MD thesis and medical state examination, University of Tübingen, Germany.

Employment

- 2025-** : DR2 CNRS, Team leader «Orientation&Coordination»
(w/ Dr Graupner), UMR8003 SPPIN, Director: Dr. M. Oheim
- 2019-24:** DR2 CNRS, Team leader «Spatial Orientation»
(w/ Dr Beraneck), UMR8002 INCC, Director: Dr. F. Waszak
- 2016-18:** CR1 CNRS, Team «Sensorimotor adaptations & vestibular pathologies»,
UMR 8119, Director : Dr. Claude Meunier
- 2009-16:** CR1 CNRS, Project group leader «Head Direction»
INSERM U1127, Director: Pr B. Zalc, then Pr. A. Brice, Paris Brain Institute.
- 2002-08:** CR2 CNRS, INSERM U739 «Cortex and Epilepsy», Director: Dr. Richard Miles,
CHU Pitié-Salpêtrière, Paris.
- 2000-02:** postdoc with Dr. Daniel Johnston «Learning and Memory»,
Baylor College of Medicine, Houston, Texas, USA.
- 1996-00:** PhD thesis with Dr. Richard Miles, INSERM U261,
Institute Pasteur, Paris.

Funding

- 2023-27:** ANR grant MySpace – The role of myelination in the maturation and synchronization of Spatial Orientation Circuits., Project Coordinator, D Fricker (320 000 €), Collaboration w/ Dr Sol-Foulon, ICM, Paris. (total amount awarded, 552 654 €).
- 2022-25:** FlagERA HBP « VIPattract – The role of GABAergic neuronal subtypes in stabilizing and flexibly resetting head direction signals in the presubicular cortex », Project Coordinator, D Fricker (204 000 €), European Consortium (Netherlands, Hungary, France; total amount awarded, 687 000 €).
- 2021-24:** ERANET NEURON « VELOSO – Vestibular loss and spatial orientation », Project Coordinator, D Fricker (250 000 €), European Consortium (Spain, Germany, France; total amount awarded, 890 800 €).
- 2019-22:** ANR - DFG grant « BURST », Project Coordinator, D Fricker (300 000 €), French-German Collaboration with Pr Brecht, Charité, Berlin; (total amount awarded, 634 000 €).
- 2019-22:** IDEX AAP EMERGENCE, « Population imaging of head direction signals in behaving mice » Project Coordinator, D Fricker (30 000 €), Collaboration w/ Dr Graupner.
- 2019-20:** COOPINTER grant CNRS-Royal Society (10 000 €) « Orient », w/ Pr Jeffrey, UCL Londres.
- 2017-18:** PHC PROCOPE project N° 37697ZB Campus France (8 000 €). « Spacebrain », w/ Pr Brecht, Berlin.

- 2011-16:** ANR - Programme Jeunes Chercheuses et Jeunes Chercheurs, « Head Direction », Project Coordinator, D Fricker (240 000 €).
- 2001-02:** DAAD - NATO Postdoctoral Fellowship, D Fricker (60 000 €).

Awards

- 2008:** Laureate « Asgard award », travel to Trondheim, lab. of E. and MB. Moser, Norway.
- 2002:** Laureate European return fellowship (Marie Curie Fellowship; declined)
- 1996-00:** MESR fellowship for a PhD thesis (government)
- 1995-96:** Fondation Gottlieb Daimler et Carl Benz, Award
- 1990-95:** Studienstiftung des deutschen Volkes (German National Merit Foundation)

Student supervision

- Supervision of 11 doctoral students: Mario AUVINET (PhD ongoing), Dongkyun LIM (PhD ongoing), Marin Dauguet (PhD ongoing), Hieu TRAN (co-direction, PhD ongoing), Ivan Hanoi Guillermo Montiel (co-direction, PhD ongoing), Louis Richevaux, (PhD 2021), Mérie Nassar (PhD 2016), Jean Simonnet (PhD 2015), Sean Freeman (co-direction, PhD 2015), Constanze Mauthe (MD 2013), Roxanne Lofredi (MD 2014).
- 10 Master students (8 at M2 level), 2 medical students, 1 BTS.
- Member of 12 PhD thesis or Habilitation committees as an 'Examineur', 'Rapporteur' or 'Présidente'.

Teaching

- Since 2017: "Hippocampus, Memory and Spatial Orientation" (4h) Advanced Course for Neuroscience Master students, Université Paris Cité.
- « School for Electrical and Optical Recording », D. Ogden & B. Barbour. Teaching assistant, 2 weeks/year, Rue des Saint-Pères, Université Paris Cité.

Editorial activity

- 2018-20 and 2021-22: Frontiers Research Topic: "Coding for Spatial Orientation in Humans and Animals: Behavior, Circuits and Neurons". Guest Associate Editor.
- Editor for Frontiers in Cellular Neuroscience, Frontiers in Neural Circuits.
- Reviewing manuscripts for eLife, Cerebral Cortex, The Journal of Neuroscience, Journal of Physiology, Journal of Neurophysiology, Frontiers, J Comp Neurol., Scientific Reports.

Service

- 2021 - : Evaluator of the call of the Marie Skłodowska Curie Individual Fellowships H2020 MSCA IF (H2020 and Horizon European commission program)
- 2021 - : Conseil de Gestion de l'UFR Biomedicale, Université de Paris, Member
- 2021: Evaluator of the 2021 ANR AAP générique
- 2021: Recruitment committee Chaire Inmed (Ede Rancz)
- 2022: Recruitment committee U Paris Cité, SPPIN (Pr. Nicolas Guerout)
- 2020-24: Conseil de Laboratoire, CNRS UMR8002, Member

Organization of Symposia

- 05/2025 NeuroFrance, Société de Neurosciences, à Montpellier. Symposium "Coordinating vision, orientation and navigation" – chaired by D. Fricker and M. Graupner. Speakers: Pr. A. Joshi (Bangalore), Dr. Guy Bouvier (Saclay), Dr. Keshavarzi (Cambridge), Pr. Mehta (UCLA).
- 07/2018 FENS meeting, Berlin. Symposium 'Cells and circuits coding for spatial orientation' – chaired by D. Fricker and M. Beraneck. Speakers: Dr. A Peyrache (Montréal), Pr. K Jeffery (London), Dr. A Burgalossi (Tübingen), Dr. J Laurens (Frankfurt).