VANRULLEN Rufin (ORCID: 0000-0002-3611-7716)

Nationality: French, website: https://rufinv.github.io

- **CURRENT POSITION**

  Directeur de Recherche, CNRS, CerCo, Toulouse, France.

- **PAST POSITIONS**

  2018 : Visiting Scientist, Simons Institute for the Theory of Computing - Berkeley, CA (USA)
  2005-07: Visiting scholar, Harvard Vision Sciences Lab - Cambridge, MA (USA)
  2000-02: Postdoc Scholar, California Institute of Technology - Pasadena, CA (USA)

- **EDUCATION**

2007	HDR, Université Paul Sabatier, Toulouse, France
2000	PhD, Cognitive Science, Université Paul Sabatier, Toulouse, France
1996	Maitrise, Computer Science, Université Montpellier, France
1995	Licence, Mathematics, Université Montpellier, France

- **INTERNATIONAL RECOGNITION (honors, prizes)**
  - ERC Advanced Grant (2023-2028)
  - ERC Consolidator Grant (2014-2019)
  - European Young Investigator Award (EURYI, 2007)
  - Médaille de Bronze du CNRS (2007)

- **SUPERVISION:** 21 PhD students (3 ongoing), 16 postdocs (1 ongoing), more than 40 Masters students.

- **SCIENTIFIC PRODUCTION:** https://scholar.google.com/citations?user=1pwyaYgAAAAJ&hl=en .

- **5 MOST RELEVANT PAPERS (last 10 years), Google Scholar Id: 1pwyaYgAAAAJ, h index: 59**
  1. VanRullen, R., & Kanai, R. (2021). Deep learning and the Global Workspace Theory. *Trends in Neurosciences.* 44(9), 692-704
  2. Choksi, B., Mozafari, M., Biggs O'May, C., Ador, B., Alamia, A., & VanRullen, R. (2021). Predify: Augmenting deep neural networks with brain-inspired predictive coding dynamics. *NeurIPS 2021*: Advances in Neural Information Processing Systems, 34.
  3. Alamia, A., & VanRullen, R. (2019). Alpha oscillations and traveling waves: Signatures of predictive coding? *PLoS Biology*, 17(10).
  4. VanRullen, R., Reddy, L. (2019). Reconstructing faces from fMRI patterns using deep generative neural networks *Communications Biology* 2(1), 193.
  5. VanRullen, R. (2016). Perceptual cycles. *Trends in Cognitive Sciences* 20(10), 723-735.

- **EDITORIAL ACTIVITIES**
  - Specialty Chief Editor, Frontiers in Perception Science (2016-)
  - Associate Editor for Journal of Neuroscience (2018-), Consciousness & Cognition (2017-), Psychological Science (2012-2014) and Frontiers in Perception Science (2010-2015)

- **ACADEMIC RESPONSIBILITIES**
  - Team Co-Director (2021-2023): "Neuro.AI" (4 independent PIs).
  - Team Director (2015-2020): "Perceptual and Attentional Fluctuations" (4 independent PIs).
  - Team Director (2010-2014): "Construction of Mental States and Representations" (4 independent PIs).
  - Member of the CoNRS Interdisciplinary Committee CID 51 (2016-2021): "Modelling and analysis of Biological Data and Systems" (evaluation and recruitment of ~10 tenured faculty/year).
  - Member of the Program Committee for international conferences: International Conference on Artificial Neural Networks (ICANN), Crete (Greece, 2023); TPNC, Taiwan (2020-21); IEEE CIMSIVP Symposium, Nashville (USA, 2009), Paris (France, 2011), Singapore (2013), Orlando (USA, 2014), Athens (Greece, 2016); Honolulu (USA, 2017); Bengaluru (India, 2018); Xiamen (China, 2019); European Conference on Visual Perception (ECVP), Toulouse (France, 2011); International Conference on Cognitive Neuroscience (ICON), Amsterdam (Netherlands, 2017).

- **COLLABORATIONS:** Ryota Kanai (Araya Inc, Japan), Patrick Cavanagh (York University, Canada), Radoslaw Cichy (Free University Berlin, Germany), Ole Jensen (Birmingham University, UK), Fred Hamker (Technische Universität Chemnitz, Germany), Anil Seth (Sussex University, UK), Frédéric Chavane (INT, Marseille, France), Suliann Ben Hamed (Lyon, France), Frank Bremmer (Marburg, Germany)

- **TEACHING ACTIVITIES (current or planned)**: since 2020, teaching and management of "Intro to AI" class, accredited by ANITI (M2 level, 30h): https://rufinv.github.io/Intro2AI-class/