Liste complète des publications

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1 Articles de revues en cours de révision

- A59 Jean-Nicolas Jérémie, Emmanuel Daucé et <u>Laurent U Perrinet</u>. « Retinotopic Mapping Enhances the Robustness of Convolutional Neural Networks ». In: *Submitted* (7 août 2023). Doi: 10.48550/arXiv.2402.15480
- A58 Giacomo Benvenuti, Sandrine Chemla, Arjan Boonman, <u>Laurent U Perrinet</u>, Guillaume S Masson et Frédéric Y Chavane. « Anticipatory Responses along Motion Trajectories in Awake Monkey Area V1 ». en. In: *bioRxiv* (2020), p. 2020.03.26.010017. DOI: 10/ggqj77. (Visité le 31/03/2020)

2 Articles de revues internationales à comité de lecture

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- A57 Antoine GRIMALDI, Victor BOUTIN, Sio-Hoi IENG, Ryad BENOSMAN et <u>Laurent U PERRINET</u>.

 « A Robust Event-Driven Approach to Always-on Object Recognition ». In: *Neural*Networks 178 (1er oct. 2024), p. 106415. DOI: 10.1016/j.neunet.2024.106415.

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- A53 Antoine GRIMALDI et <u>Laurent U PERRINET</u>. « Learning heterogeneous delays in a layer of spiking neurons for fast motion detection ». In: *Biological Cybernetics* (11 sept. 2023). DOI: 10.1007/s00422-023-00975-8. URL: https://laurentperrinet.github.io/publication/grimaldi-23-bc/
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- A51 Jean-Nicolas Jérémie et <u>Laurent U Perrinet</u>. « Ultra-Fast Image Categorization in biology and in neural models ». In : Vision (21 mars 2023). DOI : 10.3390/vision7020029. (Visité le 21/03/2023)

- A50 Antoine GRIMALDI, Amélie GRUEL, Camille BESNAINOU, Jean-Nicolas JÉRÉMIE, Jean MARTINET et Laurent U PERRINET. « Precise spiking motifs in neurobiological and neuromorphic data ». In: Brain Sciences (23 déc. 2022). DOI: 10.3390/brainsci13010068. URL: https://laurentperrinet.github.io/publication/grimaldi-22-polychronies/
- A49 Victor BOUTIN, Angelo FRANCIOSINI, Frédéric Y CHAVANE et <u>Laurent U PERRINET</u>. « Pooling in a predictive model of V1 explains functional and structural diversity across species ». In: *PLoS Computational Biology* (18 juill. 2022). DOI: 10. 1371/journal.pcbi.1010270. URL: https://laurentperrinet.github.io/publication/franciosini-21
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- A35 Jonathan VACHER, Andrew Isaac MESO, <u>Laurent U PERRINET</u> et Gabriel PEYRÉ. « Biologically Inspired Dynamic Textures for Probing Motion Perception ». In: Advances in Neural Information Processing Systems 28 (2015), p. 1918-1926. URL: http://papers.nips.cc/paper/5769-biologically-inspired-dynamic-textures-for-probing-motion-perception.pdf
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- A33 <u>Laurent U Perrinet</u>, Rick A Adams et Karl Friston. « Active inference, eye movements and oculomotor delays ». In: *Biological Cybernetics* 108.6 (16 déc. 2014), p. 777-801. ISSN: 1432-0770. DOI: 10.1007/s00422-014-0620-8. URL: http://link.springer.com/article/10.1007%2Fs00422-014-0620-8
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- A23 Nicole Voges et <u>Laurent U Perrinet</u>. « Complex dynamics in recurrent cortical networks based on spatially realistic connectivities ». In: *Frontiers in Computational Neuroscience* 6 (2012). ISSN: 1662-5188. DOI: 10.3389/fncom.2012.00041. URL: https://laurentperrinet.github.io/publication/voges-12

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3 Chapitres d'ouvrage à comité de lecture

- C6 <u>Laurent U Perrinet</u>. « From the retina to action: Dynamics of predictive processing in the visual system ». In: *The Philosophy and Science of Predictive Processing*. Sous la dir. de Dina Mendonça, Manuel Curado et Steven S Gouveia. Bloomsbury, 2020, p. 85-104. Doi: 10.5040/9781350099784.ch-005. URL: https://laurentperrinet.github.io/Perrinet20PredictiveProcessing_manubot/v/latest/index.html
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4 Thèses, projets et ouvrages

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