Liste complète des publications

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1 Articles de revues en cours de révision

- A57 Giacomo Benvenuti, Sandrine Chemla, Arjan Boonman, <u>Laurent U Perrinet</u>, Guillaume S Masson et Frederic Chavane. « Anticipatory Responses along Motion Trajectories in Awake Monkey Area V1 ». en. In: bioRxiv (2020), p. 2020.03.26.010017. DOI: 10/ggqj77. URL: https://www.biorxiv.org/content/10.1101/2020.03.26.010017 (visité le 31/03/2020)
- A56 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: *In revision* (15 juin 2023). URL: https://laurentperrinet.github.io/publication/grimaldi-23/

2 Articles de revues internationales à comité de lecture

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- A55 Ilias RENTZEPERIS, Luca CALATRONI, <u>Laurent U PERRINET</u> et Dario PRANDI. « Beyond ℓ_1 sparse coding in V1 ». In: PLOS Computational Biology (12 sept. 2023). DOI: 10.1371/journal.pcbi.1011459. URL: https://laurentperrinet.github.io/publication/rentzeperis-23
- A54 Amélie Gruel, Dalia Hareb, Antoine Grimaldi, Jean Martinet, <u>Laurent U Perrinet</u>, Bernabé Linares-Barranco et Teresa Serrano-Gotarredona. « Stakes of Neuromorphic Foveation: a promising future for embedded event cameras ». In: *Biological Cybernetics* (2023)
- 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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- A49 Victor BOUTIN, Angelo FRANCIOSINI, Frédéric Y CHAVANE et <u>Laurent U PERRINET</u>. « Pooling in a predictive model of V1 explains functional <u>and structural diversity across species</u> ». In: *PLoS Computational Biology* (18 juill. 2022). DOI: 10. 1371/journal.pcbi.1010270. URL: https://laurentperrinet.github.io/publication/franciosini-21
- A48 Frédéric V Barthélemy, Jérôme Fleuriet, <u>Laurent U Perrinet</u> et Guillaume S Masson. « A Behavioral Receptive Field for Ocular Following in Monkeys: Spatial Summation and Its Spatial Frequency Tuning ». In: *eNeuro* (2022), ENEURO.0374-21.2022. ISSN: 2373-2822. DOI: 10.1523/ENEURO.0374-21.2022
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- A38 Jonathan Vacher, Andrew Isaac Meso, <u>Laurent U Perrinet</u> et Gabriel Peyré. « Bayesian Modeling of Motion Perception using Dynamical Stochastic Textures ». In: *Neural Computation* (21 nov. 2018). DOI: 10.1162/neco_a_01142. URL: https://www.mitpressjournals.org/doi/abs/10.1162/neco_a_01142

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- 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/publication/perrinet-20/
- C5 Anna Montagnini, <u>Laurent U Perrinet</u> et Guillaume S Masson. « Visual motion processing and human tracking behavior ». In: *Biologically Inspired Computer Vision*. Sous la dir. de Gabriel Cristóbal, <u>Laurent U Perrinet</u> et Matthias S Keil. Wiley-VCH Verlag GmbH et Co. KGaA, 1^{er} nov. 2015. Chap. 12. DOI: 10.1002/9783527680863.ch12. URL: https://laurentperrinet.github.io/publication/montagnini-15-bicv/
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- C2 Bruno CESSAC, Emmanuel DAUCÉ, <u>Laurent U PERRINET</u> et Manuel SAMUELIDES. «Introduction to Topics in Dynamical Neural Networks: From Large Scale Neural Networks to Motor Control and Vision». In: *Topics in Dynamical Neural Networks: From Large Scale Neural Networks to Motor Control and Vision*. T. 142. The European Physical Journal Special Topics 1. Springer Verlag, 1er mars 2007, p. 1-5. DOI: 10.1140/epjst/e2007-00057-3. URL: http://www.springerlink.com/index/10.1140/epjst/e2007-00057-3
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4 Thèses et ouvrages

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