

Nathan Faivre

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March, 27th, 1986
One child (Line, born 2020)

Present position

CNRS Research Director (DR2), LPNC, Grenoble

Team leader, *Consciousness, Memory, and Metacognition*, with JB Eichenlaub

Past positions

- 2024 **Visiting Professor**, *Chapman University*, Orange, CA USA
- 2021 - 2023 **Team leader**, *Vision & Emotion*, LPNC, Grenoble
- 2018 - 2023 **CNRS scientist (CRCN)**, LPNC, Grenoble
- 2016 - 2019 **Visiting scientist**, *Ecole Polytechnique Federale de Lausanne*, Switzerland
- 2016-2017 **CNRS scientist (CR2)**, *University Paris 1 Pantheon Sorbonne*, Paris
- 2014-2016 **Postdoctoral scholar**, *Ecole Polytechnique Federale de Lausanne*, Switzerland
(Advisor: Pr. O. Blanke; Grant: EPFL fellow co-funded by Marie Curie)
- 2012-2014 **Postdoctoral scholar**, *California Institute of Technology*, Pasadena, CA, USA
(Advisor: Pr. C. Koch; Grant: Fyssen Foundation)

Education

- 2021 **Habilitation à Diriger des Recherches: Perceptual and self-consciousness**,
University Grenoble Alpes - doctoral school EDISCE
- 2008-2011 **Ph.D.**, *University Pierre et Marie Curie, Ecole Normale Supérieure*, Paris
(Advisor: Dr. S. Kouider; Grant: French Ministry of Research)
- 2007-2008 **M.S., Physics-Biology Interface**, *University Paris Diderot*, Paris
- 2004-2007 **Medical School (1st-3rd year)**, *University H. Warembourg*, Lille
INSERM School : French MD - Ph.D. Program

Selected publications

Google scholar: 4140 citations, h-index = 37, i10-index = 61, 77 publications
(13/07/2026)

Selected publications

- Stockart, F., Msheik, R., Robin, A., Jurkovicova, L., Goueytes, D., Rouy, M., Marecek, R., Hoffmann, D., Mudrik, L., Roman, R., Brazdil, M., Minotti, L., Kahane, P., Pereira, M.*, & **Faivre, N.*** (2025). Cortical evidence accumulation for perceptual experience occurs irrespective of reports. *Nature Communications*. <https://doi.org/10.1038/s41467-025-63255-y>
- Pereira, M., Megevand, P., ..., Blanke, O.*, & **Faivre, N.*** (2021). Evidence accumulation relates to perceptual consciousness and monitoring. *Nature Communications*. <https://doi.org/10.1038/s41467-021-23540-y>
- Pereira, M., Perrin, D., & **Faivre, N.** (2022). A latent evidence accumulation process for perceptual experience. *Trends in Cognitive Sciences*. <https://doi.org/10.1016/j.tics.2022.03.003>
- **Faivre, N.***, Roger, M.*, Pereira, M., de Gardelle, V., Vergnaud, J.C., Passerieux, C., & Roux, P. (2020). Confidence in perceptual decision-making is preserved in schizophrenia. *Journal of Psychiatry and Neuroscience*. <https://doi.org/10.1503/jpn.200022>

Grants & Awards

ERC consolidator grant (2M€, 2025 - 2030, principal investigator)

ERC starting grant (1.4M€, 2019 - 2024, principal investigator)

UGA International Research Booster (10k€, 2026, principal investigator)

Amorçage Programme Recherche à risque CEA (86k€, 2024 - 2025, co-PI with Virginie van Wassenhove and Tadeusz Kononowicz)

Pilot Program National Deep Inference Fabric (co-PI with Adam Shai, Berkeley)

Scholar Exchange Agreement Chapman/CNRS (15k\$, 2024, principal investigator)

Agence Nationale pour la Recherche (280k€, 2023, co-investigator; PI Louise Goupil)

Templeton World Charity Foundation (40k€, 2023, co-investigator)

Fondation Recherche sur le Cerveau (200k€, 2023, co-investigator; PI Philippe Kahane))

EPFL fellow co-funded by Marie Curie (150k€, 2014 - 2016)

Fyssen Postdoctoral Fellowship (70k€, 2012- 2014, principal investigator)

Philippe Foundation awards grant (5k€, 2013, principal investigator)

PhD scholarship - French Ministry of Research (2008 - 2011)

Student travel award, *Association for the Scientific Study of Consciousness*

Best poster award, *ICON 11, Mallorca*

Supervision (since 2017)

Postdoctoral fellows

Lucien Gyger (2019 - 2021, now data scientist)
Michael Pereira (2019 - 2023, now INSERM researcher, ERC grantee)
Dorian Goueytes (2021 - 2023, MSCA, now assistant professor)
Marie Chancel (2022 - 2023, now CNRS researcher)
Jeanne Caron-Guyon (2023 - 2024, now assistant professor)
Camille Grasso (2025 - present, MSCA)
Nadia Hosseinizadeh (2026 - present)

PhD students

Martin Rouy (2019 - 2022)
Audrey Kist (2020 - 2023)
Francois Stockart (2021 - 2024)
Ramla Msheik (2021 - 2026)
Perrine Porte (2023 - 2026)
Shiva Mahdian (2024 - 2027)
Yael Mazin (2025 - 2028)
Raphaëlle Semin (2025 - 2028)
Merry Wang (2026 - 2029)

Engineers

Flore Boscher (2025 - present)
Nicholas Langkau (2025 - present)

Master students

Audrey Kist, Pauline Saliou, Remi Sanchez, Mi Xue Tan, Marco Wirthlin, Matthieu Roger, Luana Serafini, Flore Audouy, Eugénie Baqué, Wassila El Mardi, Ramla Msheik, Hanna Sebban, Hugo Techer, Childeric Dezier, Clément Sauvage, Perrine Porte, Funda Yilmaz, Nicolas Pagnat, Lucile Mouradoff, Thomas Gasq, Lisa Malou, Kouassi Etien, Igor Gorn

Professional duties

Team leader, CoMMet (LPNC, co-dir Jean-Baptiste Eichenlaub)

Reviewing editor, *eLife*

Expert panel member, *Research Foundation Flanders*

Expert panel member, *Polish National Science Center*

Voting member, *Ethics committee Grenoble Alpes*

Steering committee member, *Electrophysiology facility Grenoble Alpes*

Co-organizer, *Conference of the European Society of Philosophy & Psychology (2024)*

PhD committees

Meline Devaluez, Martin Guy, Clarissa Baratin, Gull Zareen, Elodie Blouzard, Clément Guichet, Lucile Meunier, Aynaz Adlizarabi, Maor Schreiber, Malik Aghezzaf Blanchard, Dimitri Bredikhi, Ridvan Kayirici, Alessandra Loretani

PhD juries

Audrey Mazancieux, Gull Zareen, Alexandre Veyrie, Remi Sanchez, Justyna Hobot, Zoe Dary, Alex Lepauvre, Anthony Clément, Nadia Hosseinizade, Sina Varmaghani, Edgar Matringe

MD committees

Eugenie Baque

HDR committees

Mathieu Servant

Selection committees

University Paris Cite

HCERES Evaluation

Centre de Recherche en Neurosciences de Lyon

Teaching (since 2017)

- 2024 - Consciousness and metacognition (University Grenoble Alpes, Master level, 6h)
 - Methods in consciousness research (University Grenoble Alpes, Master level, 3h)
 - Human and non-human consciousness (University Paul Sabatier, Master level, 3h)
 - Sensation and Perception (Chapman University, Undergraduate level, 3h)
- 2023 - Inferential statistics (University Grenoble Alpes, Bachelor level, 20h)
 - Consciousness and metacognition (University Grenoble Alpes, Master level, 6h)
 - Methods in consciousness research (University Grenoble Alpes, Master level, 3h)
 - Human and non-human consciousness (University Paul Sabatier, Master level, 3h)
- 2022 - Master class on consciousness (University Grenoble Alpes, Master level, 14h)
 - Consciousness and metacognition (University Grenoble Alpes, Master level, 6h)
 - Introduction to consciousness sciences (University Grenoble Alpes, Bachelor level, 4h)
- 2021 - Consciousness and perceptual monitoring (Krakow University, PhD level, 15h)
 - Perceptual consciousness and monitoring (University Grenoble Alpes, Master level, 6h)
 - Consciousness and metacognition (University Grenoble Alpes, Master level, 6h)
 - Introduction to consciousness sciences (University Grenoble Alpes, Bachelor level, 4h)
- 2018 - Perceptual and bodily-self consciousness (EPFL, Master level)
 - Decision under uncertainty (University Pantheon Sorbonne, Master level)
- 2017 - Perceptual and bodily-self consciousness (EPFL, Master level)
 - Cognition and economic behavior (University Pantheon Sorbonne, Master level)

Publications

*The symbol * denotes shared authorship*

Preprints

- 2026 - Porte, P., Mazor, M., Dezier, C., **Faivre, N.**, & Goupil, L. (2026). Audiovisual congruency drives confidence in presence and absence. *psyRxiv*. https://doi.org/10.31234/osf.io/sqpmk_v1
- 2025 - Msheik, R., Sirouet, E., Kelly, S., **Faivre, N.**, & Pereira, M. (2025). Leaky evidence accumulation accounts for perceptual confidence and subjective duration. *bioRxiv*. <https://doi.org/10.1101/2025.03.17.643717>

- Brun, L., Porte, P., Cottin, M., ..., & Souchay, C. (2025). The role of visual feedback in metacognitive judgments of motor performance. *SSRN*. <https://doi.org/10.2139/ssrn.5108617>
- 2024 - Kist, A., Pereira, M., Msheik, R., ..., & **Faivre, N.** (2024). Obsessive-compulsive disorder is characterised by metacognitive deficits resistant to subthalamic stimulation. *medRxiv*. <https://doi.org/10.1101/2024.11.03.24316467>

Journal Articles

- 2026 - Mudrik, L., **Faivre, N.**, Pitts, M., & Schurger, A. (2026). Clarifications about there being two necessary conditions for consciousness. *Trends in Cognitive Sciences*. <https://doi.org/10.1016/j.tics.2026.06.003>
- Fasola, J., Betka, S., **Faivre, N.**, Blanke, O., & Kannape, O. (2026). Motor Equivalence in Motor Awareness. *iScience*. <https://doi.org/10.1016/j.isci.2026.115835>
- Dhanis, H., Potheegadoo, J., **Faivre, N.**, Hara, M., Bernasconi, F., & Blanke, O. (2026). Presence Hallucination Induction through Robotically Mediated Somatomotor Conflicts â a pooled analysis of 25 experiments. *Cortex*. <https://doi.org/10.1016/j.cortex.2026.03.018>
- Stockart, F., Robin, A., Blumenfeld, H., ..., & **Faivre, N.** (2026). Neural correlates of perceptual consciousness from within â a narrative review of human intracranial research. *eLife*. <https://doi.org/10.7554/elife.109604.2>
- 2025 - Mudrik, L., **Faivre, N.**, Schurger, A., & Pitts, M. (2025). On a confusion about there being two types of consciousness. *Trends in Cognitive Sciences*. <https://doi.org/10.1016/j.tics.2025.11.012>
- Chancel, M., Filevich, E., & **Faivre, N.** (2025). Exogenous and endogenous sources of uncertainty inform global performance monitoring. *Neuroscience of Consciousness*. <https://doi.org/10.1093/nc/niaf041>
- Porte, P., Mazor, M., Goupil, L., & **Faivre, N.** (2025). An ideal observer model of audiovisual detection captures modality-specific, but not amodal, confidence ratings. *Proceedings of the Annual Meeting of the Cognitive Science Society*. <https://escholarship.org/uc/item/3pt9z89f>
- Goueytes, D., Stockart, F., Robin, A., ..., & **Faivre, N.** (2025). Evidence accumulation in the pre-supplementary motor area and insula drives confidence and changes of mind. *Nature Communications*. <https://doi.org/10.1038/s41467-025-61744-8>
- DondÃ©, C., Pereira, M., Nalborczyk, L., Roux, P., **Faivre, N.**, & Brunelin, J. (2025). Characterizing early auditory deficits in schizophrenia using drift-diffusion modeling. *Schizophrenia Research*. <https://doi.org/10.1016/j.schres.2025.07.024>
- Frileux, S., **Faivre, N.**, ..., Passerieux, C., Brunet-Gouet, E., & Roux, P. (2025). Flowers for Algernon: How metacognition affects quality of life in schizophrenia. Structural equation modeling with the Face-Sz cohort. *Comprehensive Psychiatry*. <https://doi.org/10.1016/j.comppsy.2025.152622>
- Stockart, F., Schreiber, M., Amerio, P., ..., & Mudrik, L. (2025). Studying unconscious processing: Contention and consensus. *Behavioral and Brain Sciences*. <https://doi.org/10.1017/s0140525x25101489>
- Palgi, S., Bester-Arest, T., **Faivre, N.**, & Mudrik, L. (2025). Object relations are processed with, but not without, awareness. *Neuroscience of Consciousness*. <https://doi.org/10.1093/nc/niaf010>
- Yaron, I., **Faivre, N.**, Mudrik, L., & Mazor, M. (2025). Individual differences do not mask effects of unconscious processing. *Psychonomic Bulletin and Review*. <https://doi.org/10.3758/s13423-025-02679-5>
- 2024 - Dhanis, H., Gninenko, N., Morgenroth, E., ..., & Ville, D.V.D. (2024). Real-time fMRI neurofeedback modulates induced hallucinations and underlying brain mechanisms. *Communications Biology*. <https://doi.org/10.1038/s42003-024-06842-x>

- Pereira, M., **Faivre, N.**, Bernasconi, F., ..., & Blanke, O. (2024). Subcortical correlates of consciousness with human single neuron recordings. *eLife*. <https://doi.org/10.7554/elife.95272.1>
- 2023 - Roux, P., **Faivre, N.**, Urbach, M., Aouizerate, B., Brunel, L., Capdevielle, D., Chereau, I., Dubertret, C., Dubreucq, J., Fond, G., Lancon, C., Leignier, S., Mallet, J., Misdrahi, D., Pires, S., Schneider, P., Schurhoff, F., Yazbek, H., Zinetti-Bertschy, A., & Brunet-Gouet, E. (2023). Relationships between neuropsychological performance, insight, medication adherence, and social metacognition in schizophrenia. *Schizophrenia Research*. <https://doi.org/10.1016/j.schres.2022.12.037>
- Rouy, M., Pereira, M., Saliou, P., Sanchez, R., el Mardi, W., Sebban, H., Baque, E., Porte, P., Dezier, C., de Gardelle, V., Mamassian, P., Moulin, C., Donde, C.*, Roux, P.*, & **Faivre, N.*** (2023). Confidence in visual detection, familiarity and recollection judgements is preserved in schizophrenia spectrum disorder. *Schizophrenia*. <https://doi.org/10.1038/s41537-023-00387-4>
- Rouy, M., Roger, M., Goueytes, D., Pereira, M., Roux, P., & **Faivre, N.** (2023). Preserved electrophysiological markers of confidence in schizophrenia spectrum disorder. *Schizophrenia*. <https://doi.org/10.1038/s41537-023-00333-4>
- Orepic, P., Kannape, O. A., **Faivre, N.**, & Blanke, O. (2023). Bone conduction facilitates self-other voice discrimination. *Royal Society Open Science*. <https://doi.org/10.1098/rsos.221561>
- Constant, M., Pereira, M., **Faivre, N.**, & Filevich, E. (2023). Prior information differentially affects discrimination decisions and subjective confidence reports. *Nature Communications*. <https://doi.org/10.1038/s41467-023-41112-0>
- Mazancieux, A.*, Pereira, M.*, Mamassian, P., **Faivre, N.**, Moulin, C., & Souchay, C. (2023). A common conceptual space for metacognition across and within domains. *Nature Reviews Psychology*. <https://doi.org/10.1038/s44159-023-00245-1>
- Orepic, P., Bernasconi, F., Faggella, M., **Faivre, N.**, & Blanke, O. (2023). Robotically-induced auditory-verbal hallucinations: Combining self-monitoring and strong perceptual priors. *Psychological Medicine*. <https://doi.org/10.1017/S0033291723002222>
- 2022 - Rouy, M., de Gardelle, V., Reyes, G., Sackur, J., Vergnaud, J.C., Filevich, E., & **Faivre, N.** (2022). Metacognitive improvement: Disentangling adaptive training from experimental confounds. *Journal of Experimental Psychology: General*. <https://doi.org/10.1037/xge0001185>
- Pereira, M., Perrin, D., & **Faivre, N.** (2022). A latent evidence accumulation process for perceptual experience. *Trends in Cognitive Sciences*. <https://doi.org/10.1016/j.tics.2022.03.003>
- Rahnev, D., et al. (2022). Consensus goals for the field of visual metacognition. *Perspectives on Psychological Science*. <https://doi.org/10.1177/17456916221075615>
- Mazor, M., Demertzi, A., Fahrenfort, J. J., **Faivre, N.**, Francken, J., Lamy, D., Moutoussis, M., Salomon, R., Soto, D., Stein, T., & Lubianker, N. (2022). The scientific study of consciousness cannot, and should not, be morally neutral. *Perspectives on Psychological Science*. <https://doi.org/10.1177/17456916221110222>
- Moon, H., Gauthier, B., Park, H., **Faivre, N.**, & Blanke, O. (2022). Sense of self impacts spatial navigation and hexadirectional coding in human entorhinal cortex. *Communications Biology*. <https://doi.org/10.1038/s42003-022-03361-5>
- Krugwasser, A. R., Stern, Y., **Faivre, N.**, Harel, E. V., & Salomon, R. (2022). Impaired sense of agency and associated confidence in psychosis. *Schizophrenia*. <https://doi.org/10.1038/s41537-022-00212-4>
- Arbuzova, P., Guo, S., Koß, C., Kurvits, L., **Faivre, N.**, Kuhn, A.A., Filevich, E., & Ganos, C. (2022). No evidence of impaired visual and tactile metacognition in adults with tourette disorder. *Parkinsonism and Related Disorders*. <https://doi.org/10.1016/j.parkreldis.2022.02.019>

- Orepic, P., Park, H., Rognini, G., **Faivre, N.***, & Blanke, O.* (2022). Breathing affects self-other voice discrimination in a bodily state with increased otherness. *Psychophysiology*. <https://doi.org/10.1111/psyp.14016>
- Dhanis, H., Blondiaux, E., Bolton, T., **Faivre, N.**, Rognini, G., Van De Ville, D., & Blanke, O. (2022). Robotically-induced hallucination triggers subtle change in brain network transitions. *NeuroImage*. <https://doi.org/10.1016/j.neuroimage.2021.118862>
- 2021 - Pereira, M., Megevand, P., Tan, M., Chang, W., Wang, S., Rezai, A., Seeck, M., Corniola, M., Momjian, S., Bernasconi, F., Blanke, O.*, & **Faivre, N.*** (2021). Evidence accumulation relates to perceptual consciousness and monitoring. *Nature Communications*. <https://doi.org/10.1038/s41467-021-23540-y>
- Stripeikyte, G., Pereira, M., Rognini, G., Potheegadoo, J., Blanke, O.*, & **Faivre, N.*** (2021). Increased functional connectivity of the intraparietal sulcus underlies the attenuation of numerosity estimations for self-generated words. *Journal of Neuroscience*. <https://doi.org/10.1523/JNEUROSCI.3164-20.2021>
- Salomon, R., Kannape, O. A., Debarba, H. G., Kaliuzhna, M., Schneider, M., **Faivre, N.**, Eliez, S., & Blanke, O. (2021). Agency deficits in a human genetic model of schizophrenia: Insights from 22q11DS patients. *Schizophrenia Bulletin*. <https://doi.org/10.1093/schbul/sbab143>
- Serino, A.*, Bockbrader, M.*, Colachis, S., Solca, M., Bertoni, T., Dunlap, C., Eipel, K., Ganzer, P., Annetta, N., Sharma, G., Orepic, P., Friedenberg, D., Sederberg, P., **Faivre, N.**, Rezai, A., & Blanke, O. (2021). Sense of agency for intracortical brain machine interfaces. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-021-01233-2>
- Bernasconi, F., Blondiaux, E., Potheegadoo, J., Stripeikyte, G., Pagonabarraga, J., Bejr-Kasem, H., Bassolino, M., Akselrod, M., Martinez-Horta, S., Sampedro, F., Hara, M., Horvath, J., Franza, M., Konik, S., Bereau, M., Ghika, J.-A., Burkhard, P. R., Van De Ville, D., **Faivre, N.**, Rognini, G., Krack, P., Kulisevsky, J., & Blanke, O. (2021). Sensorimotor hallucinations in Parkinson's disease. *Science Translational Medicine*. <https://doi.org/10.1126/scitranslmed.abc8362>
- Roux, P., **Faivre, N.**, Cannavo, AS., Brunet, E., & Passerieux, C. (2021). Exploring clinical correlates of metacognition in bipolar disorders using moderation analyses: the role of antipsychotic medication. *Journal of Clinical Medicine*. <https://doi.org/10.3390/jcm10194349>
- Orepic, P., Rognini, G., Kannape, O., **Faivre, N.***, & Blanke, O.* (2021). Sensorimotor conflicts induce somatic passivity and louden quiet voices in healthy listeners. *Schizophrenia Research*. <https://doi.org/10.1016/j.schres.2021.03.014>
- Rouy, M., Saliou, P., Nalborczyk, L., Pereira, M., Roux, P.*, & **Faivre, N.*** (2021). Systematic review and meta-analysis of metacognitive abilities in individuals with schizophrenia spectrum disorders. *Neuroscience and Biobehavioral Reviews*. <https://doi.org/10.1016/j.neubiorev.2021.03.017>
- Stripeikyte, G., Potheegadoo, J., Progin, P., Rognini, G., Blondiaux, E., Salomon, R., Griffa, A., Hagmann, P., **Faivre, N.**, Do, K., Conus, P., & Blanke, O. (2021). Fronto-temporal disconnection within the presence hallucination network in psychotic patients with passivity experiences. *Schizophrenia Bulletin*. <https://doi.org/10.1093/schbul/sbab031>
- Hirschhorn, R., Kahane, O., Gur-Arie, I., **Faivre, N.**, & Mudrik, L. (2021). Windows of integration hypothesis revisited. *Frontiers in Human Neuroscience*. <https://doi.org/10.3389/fnhum.2020.617187>
- 2020 - Gauthier, B., Brechet, L., Lance, F., Mange, R., Herbelin, B., **Faivre, N.**, Bolton, T., Van De Ville, D., & Blanke, O. (2020). First-person body view modulates the neural substrates of episodic memory and autonoetic consciousness: a functional connectivity study. *NeuroImage*. <https://doi.org/10.1016/j.neuroimage.2020.117370>

- Progin, P., **Faivre, N.**, Brooks, A., Chang, W., Mercier, M., Schwabe, L., Do, K., & Blanke, O. (2020). Somatosensory-visual effects in visual biological motion perception. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0234026>
- **Faivre, N.***, Roger, M.*, Pereira, M., de Gardelle, V., Vergnaud, J.C., Passerieux, C., & Roux, P. (2020). Confidence in perceptual decision-making is preserved in schizophrenia. *Journal of Psychiatry and Neuroscience*. <https://doi.org/10.1503/jpn.200022>
- Filevich, E., Koł, C., & **Faivre, N.** (2020). Response-related signals increase confidence but not metacognitive performance. *eNeuro*. <https://doi.org/10.1523/ENEURO.0326-19.2020>
- Pereira, M.*, **Faivre, N.***, Iturrate, I.*, Wirthlin, M., Serafini, L., Martin, S., Desvachez, A., Blanke, O., Van De Ville, D., & Millan, J. (2020). Disentangling the origins of confidence in speeded perceptual judgments through multimodal imaging. *PNAS*. <https://doi.org/10.1073/pnas.1918335117>
- Rahnev, D., Adler, W. T., Akdogan, B., Arbuzova, P., Atlas, L., Balci, F., et al. (2020). The confidence database. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-019-0813-1>
- 2019 - Noel, J.P.*, **Faivre, N.***, Magosso, E., Blanke, O., Alais, D., & Wallace, M. (2019). Multisensory perceptual awareness: Categorical or graded. *Cortex*, 120, 169–180. <https://doi.org/10.1016/j.cortex.2019.05.018>
- **Faivre, N.**, Dubois, J., Schwartz, N., & Mudrik, L. (2019). Imaging object-scene integration in visible and invisible natural scenes. *Scientific Reports*. <https://doi.org/10.1038/s41598-019-38654-z>
- **Faivre, N.***, Vuillaume, L.*, Bernasconi, F., Salomon, R., Blanke, O.*, & Cleeremans, A.* (2019). Sensorimotor conflicts alter metacognitive and action monitoring. *Cortex*. <https://doi.org/10.1016/j.cortex.2019.12.001>
- 2018 - Salomon, R., Ronchi, R., Dönn, J., Bello-Ruiz, J., Herbelin, B., **Faivre, N.**, Schaller, K., & Blanke, O. (2018). Insula mediates heartbeat related effects on visual consciousness. *Cortex*, 101, 87–95. <https://doi.org/10.1016/j.cortex.2018.01.005>
- Bernasconi, F., Noel, J.P., Park, H., **Faivre, N.**, Seeck, M., Spinelli, L., Schaller, K., & Blanke, O. (2018). Audio-tactile and peripersonal space processing around the trunk in human parietal and temporal cortex: an intracranial EEG study. *Cerebral Cortex*. <https://doi.org/10.1093/cercor/bhy156>
- **Faivre, N.**, Filevich, E., Solovey, G., Kuhn, S., & Blanke, O. (2018). Behavioural, modeling, and electrophysiological evidence for supramodality in human metacognition. *Journal of Neuroscience*. <https://doi.org/10.1523/JNEUROSCI.0322-17.2017>
- 2017 - Salomon, R., Noel, J. P., Lukowska, M., **Faivre, N.**, Metzinger, T., Serino, A., & Blanke, O. (2017). Unconscious integration of multisensory bodily inputs in the peripersonal space shapes bodily self-consciousness. *Cognition*, 166, 174–183.
- **Faivre, N.**, Arzi, A., Lunghi, C., & Salomon, R. (2017). Consciousness is more than meets the eye: a call for a multisensory study of subjective experience. *Neuroscience of Consciousness*, 3(1), nix003.
- 2016 - **Faivre, N.**, Dönn, J., Scandola, M., Dhanis, H., Bello Ruiz, J., Bernasconi, B., Salomon, R., & Blanke, O. (2016). Self-grounded vision: hand ownership modulates visual location through cortical beta and gamma oscillations. *Journal of Neuroscience*, 37(1), 11–22.
- Salomon, R., Ronchi, R., Dönn, J., Bello-Ruiz, J., Herbelin, B., Martet, R., **Faivre, N.**, Schaller, K., & Blanke, O. (2016). The insula mediates access to awareness of visual stimuli presented synchronously to the heartbeat. *Journal of Neuroscience*, 36(18), 5115–5127.
- Salomon, R., Goldstein, A., Vuillaume, L., **Faivre, N.**, Hassin, R., & Blanke, O. (2016). Enhanced discriminability for non-biological motion violating the 2/3 power law. *Journal of Vision*, 16(8):12, 1–12.

- Deroy, O.*, **Faivre, N.***, Lunghi, C.*, Spence, C.*, Aller, M., & Noppeney, U. (2016). The complex interplay between multisensory integration and perceptual awareness. *Multisensory Research*. <https://doi.org/10.1163/22134808-00002529>
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- 2015 - Salomon, R., Galli, G., Lukowska, M., **Faivre, N.**, Ruiz, JB., & Blanke, O. (2015). An invisible touch: body-related multisensory conflicts modulate visual consciousness. *Neuropsychologia*. <https://doi.org/10.1016/j.neuropsychologia.2015.10.034>
- **Faivre, N.**, Salomon, R., Vuillaume, L., & Blanke, O. (2015). Numerical priming between touch and vision depends on tactile discrimination. *Perception*, 45, 114–124.
- **Faivre, N.***, Salomon, R.*, & Blanke, O. (2015). Visual consciousness and bodily-self consciousness. *Current Opinion in Neurology*, 28(1), 23–28.
- 2014 - **Faivre, N.**, Mudrik, L., Schwartz, N., & Koch, C. (2014). Multisensory integration in complete unawareness. *Psychological Science*, 1–11.
- **Faivre, N.**, Berthet, V., & Kouider, S. (2014). Sustained invisibility through crowding and continuous flash suppression: a comparative review. *Frontiers in Consciousness Research*, 5:475.
- Izatt, G.*, Dubois, J.*, **Faivre, N.***, & Koch, C. (2014). A direct comparison of unconscious face processing under masking and interocular suppression. *Frontiers in Consciousness Research*, 5:659.
- Dubois, J., & **Faivre, N.** (2014). Invisible, but how? The depth of unconscious processing as inferred from different suppression techniques. *Frontiers in Consciousness Research (Associate editor)*.
- Mudrik, L.*, **Faivre, N.***, & Koch, C. (2014). Information integration without awareness. *Trends in Cognitive Sciences*.
- **Faivre, N.**, & Koch, C. (2014). Inferring the direction of implied motion depends on perceptual awareness. *Journal of Vision*, 14(4):4, 1–14.
- **Faivre, N.**, & Koch, C. (2014). Temporal structure coding with and without awareness. *Cognition*, 131(3), 401–414.
- 2013 - Atas, A., **Faivre, N.**, Timmermans, B., Cleeremans, A., & Kouider, S. (2013). Nonconscious instrumental learning from crowded sequences. *Psychological Science*, 25(1), 113–119.
- 2012 - **Faivre, N.**, Charron, S., Roux, P., Lehericy, S., & Kouider, S. (2012). Nonconscious emotional processing of pictures and videos involve distinct neural pathways. *Neuropsychologia*, 50(14), 3736–3744.
- **Faivre, N.**, Berthet, V., & Kouider, S. (2012). Nonconscious influences from emotional faces: a comparison of visual crowding, masking, and continuous flash suppression. *Frontiers in Psychology*, 3:129.
- 2011 - **Faivre, N.**, & Kouider, S. (2011). Increased sensory evidence reverses nonconscious priming. *Journal of Vision*, 11(13):16, 1–13.
- **Faivre, N.**, & Kouider, S. (2011). Multi-feature objects elicit nonconscious priming despite crowding. *Journal of Vision*, 11(3):2, 1–10.
- Kouider, S., Berthet, V., & **Faivre, N.** (2011). Preference is biased by crowded facial expressions. *Psychological Science*, 22(2), 184–189.
- 2010 - Le Roy, H., Zuliani, T., Wolowczuk, I., **Faivre, N.**, Jouy, N., Masselot, B., Kerckaert, J. P., Formstecher, P., & Polakowska, R. (2010). Asymmetric distribution of epidermal growth factor receptor directs the fate of normal and cancer keratinocytes in vitro. *Stem Cells and Development*, 19(2), 209–220.

Book chapters

- 2020 Case, L., Solcà, M., Blanke, O., & **Faivre, N.** (2020). Disorders of body representation. In: Sathian K and Ramachandran VS, (eds). Multisensory Perception: From Laboratory to Clinic. San Diego: Elsevier Inc./Academic Press
- 2018 **Faivre, N.**, Servièrre, J., Prunet, P. (2018). La conscience chez les humains. La conscience des animaux (QUAE, ISBN 978-2-7592-2870-6)
- 2017 Kouider, S., & **Faivre, N.** (2017). Conscious and Unconscious Perception. In The Blackwell Companion to Consciousness (2nd edition)
- 2015 Blanke, O., **Faivre, N.**, & Dieguez, S. (2015). Leaving Body and Life Behind: Out-of-Body and Near-Death Experience. In The Neurology of Consciousness (2nd edition)

External scientific Report

- 2016 - Boissy, A., Boivin, X., Calandreau, L., Delon, N., Deputte, B., Desmoulin-Canselier, S., **Faivre, N.**, Giurfa, M., Guichet, JL., Lansade, L., Larrere, R., Le Neindre, P., Mormede, P., Prunet, P., Schaal, B., Servièrre, J., & Terlouw, C. Animal Consciousness. EFSA supporting publication, 133 pp.

PhD Thesis

- 2011 - Inconscient Cognitif et Encombrement Visuel. Dissociations Entre Conscience Perceptuelle et Traitement en Vision Peripherique.

Invited lectures

- 2026 - Human electrochemistry. (*Neurotech school, Aussois*)
- Neurocomputational mechanisms of subjective experience. (*University Grenoble Alpes*)
 - Neural correlates of perceptual experience from within. (*Munich Interactive Intelligence Initiative*)
 - Neural Correlates of Consciousness and the Creativity of a Wandering Mind. (*Grenoble Attractiveness and Excellences*)
 - L'esprit qui s'observe. (*Journées de neurophysiologie clinique, Grenoble*)
- 2025 - Accounting for the temporal dynamics of perceptual consciousness. (*Scalab, Lille*)
- Reconsidering the distinction between phenomenal and access consciousness. (*ULB, Brussels*)
 - Electrophysiological interplay between perceptual and self-consciousness. (*International symposium on the self, Strasbourg*)
 - Accounting for the temporal dynamics of perceptual consciousness. (*Meetings of the Alhambra, Granada*)
 - Electrophysiological interplay between perceptual and self-consciousness. (*Wake Forest University, Winton-Salem*)
 - Intracranial study of human consciousness(*University of Alabama, Birmingham*)
 - Evidence accumulation governs the temporal dynamics of perceptual consciousness(*Queen Mary University of London*)
 - Computational and electrophysiological mechanisms of audiovisual confidence (*International Conference on Cognitive Neuroscience, Porto*)
 - Empirical and computational study of perceptual consciousness(*GDR BioComp Colloquium, Aussois*)
- 2024 - Evidence accumulation drives perceptual experience. (*Neurospin, Saclay*)
- Evidence accumulation drives perceptual experience. (*Virginia Tech, Roanoke*)
 - Intracranial study of human consciousness. (*Banner Health, Phoenix*)
- 2023 - Conscious access and confidence as accumulated evidence. (*Femto-ST, Besancon*)

- How to capture metacognitive deficits? Clinical and empirical pitfalls. (*University Savoie Mont Blanc, Chambéry*)
- A functional overlap between evidence accumulation, confidence, and changes of mind in the human cortex. (*University Aix Marseille*)
- Quantifying metacognitive performance in schizophrenia. (*University Paris Cite*)
- 2022 - Leaky evidence accumulation for perceptual consciousness and metacognition. (*Institut des neurosciences de la Timone, Marseille*)
- An introduction to the scientific study of consciousness. (*Ecole polytechnique, Palaiseau*)
- Evidence accumulation and consciousness. (*Symposium ASSC25, Amsterdam*)
- Laboratory and clinical study of perceptual experience. (*University Menendez Pelayo, Santander*)
- 2021 - Electrophysiological correlates of detection and associated confidence. (*Consciousness Club, University College London*)
- Dopaminergic modulation of reversal learning and associated confidence in Parkinson's disease and heroin addiction. (*ASSC24, Tel Aviv*)
- ERC starting grants: tips from previous grantees. (*ASSC24, Tel Aviv*)
- The neural architecture of consciousness. (*FENS Regional Meeting, Krakow*)
- 2020 - Neurosciences de la conscience perceptuelle et conscience de soi (*Journee Nationale Neurofeedback, La Rochelle*)
- Perceptual and self-consciousness (*Clinatex, Grenoble*)
- Decisions about decisions: Bridging between mathematical models of decision-making and metacognition (*UCL Cities partnerships Programme; declined, paternity leave*)
- Subthalamic nucleus activity reflects first and second-order conscious reports (*Alpine Brain Imaging Meeting, Champéry; declined for medical reasons*)
- 2019 - Sensorimotor signals inform confidence in perceptual decision-making (*Symposium ASSC 29, London Ontario*)
- Sensorimotor signals inform confidence in perceptual decision-making (*Metacognition workshop, Grenoble*)
- Electrophysiological correlates of first and second-order consciousness (*GIN, Grenoble*)
- 2018 - Influences of bodily signals on metacognitive monitoring (*LPNC, Grenoble*)
- The motor hypothesis for self-monitoring (*Universidad Del Desarrollo, Santiago*)
- Electrophysiological and hemodynamic mechanisms for monitoring self-committed and observed decisions (*ASSC 22, Krakow*)
- Influences of bodily signals on perception and metaperception (*Vision and Cognition seminar, EPFL, Lausanne*)
- 2017 - Behavioural, modeling, and electrophysiological evidence for domain-generalty in human metacognition (*ICPS, Vienna*)
- Superadditivity in conscious and unconscious multisensory integration (*Israeli Conference on Cognitive Research, Akko*)
- 2016 - Is metacognition supramodal? (*UCL, London*)
- Is metacognition supramodal? (*CES, Paris*)
- Consciousness beyond vision (*Symposium ASSC 20, Buenos Aires*)
- Self-grounded (meta)perception (*Alpine Brain Imaging Meeting, Champéry*)
- 2015 - Self-grounded perception (*Human Brain Project, Madrid*)
- Multisensory integration and consciousness: beyond cross-modal priming (*IMRF, Pisa*)
- Temporal integration of invisible signals: evidence from crowding and continuous flash suppression (*ICPS, Amsterdam*)
- 2014 - Integrative processes under continuous flash suppression. (*Gent University*)
- 2013 - Psychophysics of unconscious information integration (*LPP, Paris*)

- Psychophysics of unconscious information integration (*ICM, Paris*)
- Unconscious integration over space, time, and sensory Modalities (*EPFL, Lausanne*)
- 2012 - Temporal integration in the presence and absence of perceptual awareness: psychophysical methods (*Caltech, Pasadena*)
- Quantitative evaluation of conscious and nonconscious temporal integration (*ASSC XVI, Brighton*)
- 2011 - Nonconscious cognition & visual crowding: dissociation between perceptual awareness and processing in peripheral vision (*ULB, Bruxelles*)
- Contrastive study of consciousness through visual crowding (*INSERM School, Paris*)
- Behavioural and neural evidence for nonconscious processing during crowding (*ASSC XV, Kyoto*)
- Consciousness, attention & introspection (*ENS, Cachan*)
- Nonconscious perception during crowding: from psychophysics to ecological displays (*New York University, University of Wisconsin, California Institute of Technology*)
- 2010 - Unconscious processing of emotions through crowding (*ENS, Paris*)
- Attention & consciousness : necessary or illusory coexistence? (*ENS, Cachan*)
- Consciousness & learning : correlations and dissociations (*ENS, Cachan*)