

JUJU FARS

ACADEMIC ROLE

2022 – present **Postdoctoral Research Fellow**, Wellcome Centre for Integrative Neuroimaging, FMRIB, Nuffield Department of Clinical Neurosciences, University of Oxford, UK

EDUCATION

2019 – 2022 **Dr. rer. biol. hum.** Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany
2017 – 2018 **MSc Cognitive Sciences**, Université Lumière Lyon 2, Lyon, France
2016 – 2017 **MSc Neurosciences**, Université Claude Bernard Lyon 1, Lyon, France
2011 – 2016 **BSc Biology**, Université Claude Bernard Lyon 1, Lyon, France

AWARD

2022 **Association for Research in Vision and Ophthalmology (ARVO)**
International Travel Grant for the ARVO annual meeting in Denver

PUBLICATIONS

Huchzermeyer, C., **Fars, J.**, Kremers, J., Kühlewein L., Kempf, M., Ott, S., Stingl, K., Stingl, K. (2023). Photoreceptor-specific Temporal Contrast Sensitivities in RP1L1-associated Occult Macular Dystrophy. *Investigative ophthalmology & visual science*. 64(7):33. <https://doi.org/10.1167/iovs.64.7.33>

Fars, J., Fernandes, T.P., Huchzermeyer, C., Kremers, J., Paramei, G.V.P., (2022). Chromatic discrimination measures in mature observers depend on the response window. *Sci. Rep.* <https://doi.org/10.1038/s41598-022-13129-w>

Irina I. Shoshina, Natalia L. Almeida, Milena E.C. Oliveira, Bianca N.T. Trombetta, Gabriella M. Silva, **Julien Fars**, Natanael A. Santos, Thiago P. Fernandes. (2022) Serum levels of olanzapine are associated with acute cognitive effects in bipolar disorder. *Psychiatry research*, 310, 114443. <https://doi.org/10.1016/j.psychres.2022.114443>

Fars, J., Pasutto, F., Kremers, J., Huchzermeyer, C., (2021). Perifoveal cone- and rod-mediated temporal contrast sensitivities in Stargardt's disease/Fundus flavimaculatus. *Investigative ophthalmology & visual science*, 62(14), 24. <https://doi.org/10.1167/iovs.62.14.24>

Huchzermeyer, C., **Fars, J.**, & Kremers, J. (2020). Photoreceptor-Specific Loss Of Perifoveal Temporal Contrast Sensitivity In Retinitis Pigmentosa. *Translational vision science & technology*, 9(6), 27. <https://doi.org/10.1167/tvst.9.6.27>

Huchzermeyer, C., **Fars, J.**, Stöhr, H., & Kremers, J. (2020). New Techniques For Quantification Of Color Vision In Disorders Of Cone Function: Cambridge Color Test And Photoreceptor-Specific Temporal Contrast Sensitivity In Patients With Heterozygous RP111 And RPGR Mutations. *Der Ophthalmologe : Zeitschrift der Deutschen Ophthalmologischen Gesellschaft*, 118(2), 144–153. <https://doi.org/10.1007/s00347-020-01119-0>

PRESENTATIONS

“The use of psychophysics to study vision and hereditary retinal diseases” At the Sussex Vision Talk Series, University of Sussex, Brighton, UK, 2023

“Introduction to Open Science” At the MRI Graduate Program, FMRIB, University of Oxford, Oxford, UK, 2023.

“Chromatic Discrimination Measures in Mature Observers Improve with a Longer Response Window” At the Applied Vision Association (the AVA) Christmas meeting, Nottingham Trent University, Nottingham, UK, 2022.

“Psychophysics” At the DFG (German Research Council) Meeting, Priority Program Spp2127 “Gene And Cell Based Therapies To Counteract Neuroretinal Degeneration” In Gießen, Germany, October 2021.

“Psychophysical Measures In Retinitis Pigmentosa Patients” At The Vision And Color Division Of The Optical Society (OSA), Online Event “New Findings In Color Perception And Its Mechanisms”, online event, July 2020.

“Psychophysical Measurements In Patients With Inherited Retinal Diseases” At The DFG (German Research Council), Online Event Of The Priority Program Spp2127 “Gene And Cell Based Therapies To Counteract Neuroretinal Degeneration”, November 2020

“Function And Dysfunction Of Rod- And Cone-Driven Pathways” At The DFG (German Research Council) Meeting, Priority Program Spp2127 “Gene And Cell Based Therapies To Counteract Neuroretinal Degeneration” In Potsdam, Germany, March 2019

POSTERS

Arvo Conference 2022, Denver: Complementarity of sensitivity and just noticeable difference thresholds in the study of Retinitis Pigmentosa and Stargardt’s disease. **Fars, J.**, Kremers, J., Huchzermeyer, C., 2022.

European Conference of Visual Perception (ECVP) 2021, Online Event: Chromatic discrimination: The response window does matter for veridical measurement in mature

observers. **Fars, J.**, Fernandes T. P., Huchzermeyer, C., Kremers, J., Paramei, G. V., 2021.

Arvo Conference 2021, Online Event: Psychometric Curves In Retinitis Pigmentosa Patients. **Fars, J.**, Kremers, J., Huchzermeyer, C., 2021.

PROFESSIONAL TRAINING

MRI Graduate Program

Wellcome Centre for Integrative Neuroimaging, Oxford, 2022 - 2023

Description: The theory and practice of MRI neuroimaging, from introductory courses on neuroscience and statistics, to MRI physics and analysis.

PROFESSIONAL ROLES

Open Science Ambassador

Wellcome Center for Integrative Neuroimaging, Oxford, 2022-2023

Description: To promote and improve the transparency of, reproducibility and integrity of scientific research.

MRI Graduate Program teacher

Wellcome Centre for Integrative Neuroimaging, Oxford, 2023 - 2024

Description: The theory and practice of MRI neuroimaging, from introductory courses on neuroscience and statistics, to MRI physics and analysis.

REFERENCES

Prof. Holly Bridge,

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