



OLIVIER CLERC

CONTACT

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DATA & INFO

- **Programming:** Python, R, SQL, Git
- **Data Analysis & Machine Learning:** EDA, scikit-learn, PyTorch, Keras
- **Natural Language Processing:** Integration of LLMs into pipelines
- **Computer Vision:** OpenCV

LANGUAGE

- French: Native
- English: B2 level

COMMUNICATION

- Creation and organisation of an annual scientific conference "[Les Rencontres Jeunes Chercheurs LPNC](#)"
- Science communication at "[Pint Of Science 2022](#)"
- Volunteering to introduce digital careers to youth, especially those not in the education system (Grenoble Local Mission)

HOBBIES

- [Music](#) (Guitar, Singing, Music Production)
- Sports (Hiking, Climbing, Running)

EXPERIENCE

Postdoctoral researcher in GenAI and cognitive sciences (2025-)

Design and evaluation of conversational agents based on Large Language Models (LLMs) to foster curiosity-driven learning in children

Supervisors: *Pierre-Yves Oudeyer & H el ene Sauz eon, Flowers, Institut national de recherche en informatique et en automatique (INRIA), Bordeaux*

- *Development of an open-source Python library for qualitative data analysis using LLMs*
- *Design and implementation of a workshop on the use of generative AI for middle school students (including school intervention and supervision of 2 interns)*

Research Engineer (3 months, 2025)

LPNC, Grenoble

- *Developed data processing pipelines for eye-tracking data (Python)*
- *Conducted statistical analyses (Python) & wrote research and technical reports*

Data Scientist Intern (7 months, June 2023-Jan 2024)

Instance-based segmentation in cellular microscopy

Supervisors: [Antoine Martin](#) & [Tiphaine Champetier](#), Cytoo

- *Training/tuning/evaluation/deployment of deep learning models, enabling improved segmentation*

PhD in Cognitive Sciences (3.5 years, 2018-2022)

Interactions between face processing and speech during the perceptual narrowing

Supervisors: [Olivier Pascalis](#) & [H el ene Loevenbruck](#), LPNC, Grenoble

- [Scientific production](#) (articles in international journals, international conferences)
- *Teaching (statistics and psychology, undergraduate to [doctoral](#) level)*

EDUCATION

[Data Scientist Training](#), Feb 2023-Jan 2024

[Le campus num erique in the Alps](#)

[Data Scientist: Machine Learning Specialist Career Path](#), 2022

[Codecademy \(36-week online course\)](#).

PhD in Cognitive Sciences, 2022

Universit  Grenoble Alpes

Master 2 Natural and Artificial Cognition, with highest honour (1st out of 23), 2018

Universit  Grenoble Alpes



Journal articles

Fratacci, A., **Clerc, O.**, Fort, M., & Pascalis, O. (2024). Impact of language familiarity on abstract pattern recognition in 9-to 12-month-old infants. *International Journal of Behavioral Development*, 01650254241230643. <https://doi.org/10.1177/01650254241230643>

Dillmann, J., Evertz, J., Krasotkina, A., **Clerc, O.**, Pascalis, O., & Schwarzer, G. (2024). Older infants' social learning behavior under uncertainty is modulated by the interaction of face and speech processing. *Infancy*, 29(1), 56-71. <https://doi.org/10.1111/infa.12566>

Galusca, C. I., **Clerc, O.**, Chevallier, M., Bertrand, C., Audeou, F., Pascalis, O., & Fort, M. (2023). The effect of masks on the visual preference for faces in the first year of life. *Infancy*, 28(1), 92-105. <https://doi.org/10.1111/infa.12518>

Krasotkina, A., Dillmann, J., Vesker, M., **Clerc, O.**, Pascalis, O., & Schwarzer, G. (2023). Infant Sensitivity to Mismatches between Same/Other-Race Faces and Native/Non-Native Speech. *Other-Race Faces and Native/Non-Native Speech*. <http://dx.doi.org/10.2139/ssrn.4581730>

Clerc, O., Fort, M., Schwarzer, G., Krasotkina, A., Vilain, A., Méary, D., ... & Pascalis, O. (2022). Can language modulate perceptual narrowing for faces? Other-race face recognition in infants is modulated by language experience. *International Journal of Behavioral Development*, 46(2), 83-90. <https://doi.org/10.1177/01650254211053054>

Liévin-Bazin A., Pineaux M., **Clerc O.**, Gahr M., von Bayern AMP., Bovet D. (2018) Emotional responses to conspecific distress calls are modulated by affiliation in cockatiels (*Nymphicus hollandicus*). *PLoS One*. 2018 Oct 9;13(10):e0205314. <https://doi.org/10.1371/journal.pone.0205314>

Book chapters

Clerc, O., Pascalis, O., Chapitre5 - Le développement de la perception visuelle et des visages, Editor(s): Fournernet, P., Gentaz, E., *Le Développement Neurocognitif de la Naissance à L'adolescence*, Elsevier Masson, 2022, Pages 59-68, ISBN 9782294774027, <https://doi.org/10.1016/B978-2-294-77402-7.00005-9>.

Conferences abstract

Clerc, O., Pascalis, O., & Fort, M. (2020, August 26–28). Matching phonetic information with own- and other-race faces in 3- and 9-month-old infants [Poster session]. LCICD, Lancaster University, UK. <http://wp.lancs.ac.uk/lcicd/programme/> (Conference canceled)

Clerc, O., Loevenbruck, H., Fort, M., Schwarzer, G., & Pascalis, O. (2020, July 6–9). Can language influence other race faces identification? [Poster session cancelled]. ICIS, Glasgow University, UK. <https://infantstudies.org/program/>

Clerc, O., Loevenbruck, H., Schwarzer, G., Fort, M., & Pascalis, O. (2019, August 20–23). Can language influence other race faces identification? [Poster session]. LCICD, Lancaster University, UK.

Levréro F., **Clerc O.**, Touitou S., Fredet J., Guéry JP., Lemasson A. 2017. Bonobos converse and pay attention to breaking conversational rules. In: Behaviour 2017 – 35th International Ethological Conference. Estoril (Portugal): Instituto Universitário de Ciências Psicológicas, Sociais e da Vida (ISPA); Association for the Study of Animal Behaviour (ASAB).

Doctoral thesis

Clerc, O. Interactions entre le traitement des visages et le traitement du langage durant le rétrécissement perceptif. Psychologie. Université Grenoble Alpes [2020-..], 2022. Français. ffNNT : 2022GRALS017ff. fftel-03828533f

TEACHING

Perception, Action, Categorization, 3rd year Bachelor's, 20 hours

Satistics, 1st year Bachelor's, 56 hours

Skill development in infants, Lecture, 1st year Bachelor's, 24 hours

Developmental Psychology, Tutorial, 2nd year Bachelor's, 24 hours

Contributions of Psychology to Teaching, Lecture, training for PhD students, 4 hours

REFERENCES

Pr. Olivier Pascalis, Equipe Développement et apprentissage, CNRS UMR 5105 Université Grenoble Alpes, France. olivier.pascalis@univ-grenoble-alpes.fr

Pr. Hélène Loevenbruck, Equipe Langage, CNRS UMR 5105 Université Grenoble Alpes, France. helene.loevenbruck@univ-grenoble-alpes.fr

Antoine Martin, PhD / Data Scientist, Cytoo, amartin@cytoo.com

Tiphaine Champetier, PhD / Data Scientist, Cytoo, tchampetier@cytoo.com

Dr. Florence Levréro, Equipe Neuro-Ethologie Sensorielle, Neuro-PSI, CNRS UMR 9197 Université de Lyon/Saint-Etienne, France. florence.levrero@univ-st-etienne.fr

Dr. Blandine Doligez, Biométrie et Biologie Évolutive, UMR CNRS 5558 – LBBE, France. blandine.doligez@univ-lyon1.fr

Agatha Liévin-Bazin, PhD, Laboratoire Éthologie Cognition Développement (LECD), Université Paris Ouest-Nanterre-le Défense, France. agatha.lievin@gmail.com