

Mathis BOUVET

25 years old

Developmental biology & embryology | 3D Immunofluorescence Image Analysis | Multiplex Imaging & Python



About me

Biologist specialized in embryology, with expertise in 3D imaging and quantitative analysis of biological data. Experience in developing analysis pipelines and integrating data from immunofluorescence and multiplex imaging. Proficient in Python and R for statistical analysis and spatial biology.



Contact

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 [LinkedIn](https://www.linkedin.com/in/mathis-bouvet-biologiste)
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 [GitHub](https://github.com/mathisbouvet)
github.com/mathisbouvet

 [Education & Research](https://mathis-bouvet.web.app)
mathis-bouvet.web.app



Skills

Biology

Developmental Biology
Behavioral Biology
Embryology
Anatomy

Imaging & Microscopy

Immunofluorescence
3D Microscopy (Blaze)
Multiplex Microscopy (MACSima)

Data Analysis

Advanced Cell Segmentation
3D Image Analysis
Spatial Cell Analysis
Biostatistics
Pipeline Development

Tools

MACSiQView
Imaris
RStudio
Python



Professional Experience

Intern – Embryology

01/2025 - 07/2025

Institut de la Vision - Paris (75012)

- Development of multiplex imaging protocols for the analysis of human embryonic tissues
- Analysis of 3D immunofluorescence images (Imaris, SyGlass)
- Data integration and spatial biology approaches
- Cell quantification and segmentation (Python)
- Contribution to data interpretation and scientific writing

Intern - ART

04/2024 - 06/2024

Tenon Hospital - Paris (75020)

- Participation in IVF procedures
- Observation and involvement in IVF procedures
- Statistical analysis of an ALIFERT patient cohort (RStudio)
- Contribution to clinical and biological analysis

Sales Assistant

09/2021 - 08/2023

Decathlon - Limoges (87)

- Customer relationship management
- Implementation of the Decathlon Second Life strategy



Education

Master's Degree (MSc) in Reproductive Biology 2023 - 2025

University of Tours

- Developmental and Behavioral Biology, Endocrinology
- Specialization in Bioinformatics

Certified for animal experimentation (operator) 2024

Bachelor's Degree in Biology, Biochemistry and Molecular Genetics 2021 - 2023

University of Limoges

- Molecular Genetics, Metabolism and Protein Production
- Participation in the ANNOTATHON genetics project

PACES (First-Year Health Studies) – Completed 2019 - 2021

University of Limoges



Associations

University of Tours

09/2024 - 09/2025

Financial Administrator – Gamet's

- Participation in communication and awareness initiatives on endocrine disruptors
- ANIMAFAC network involvement and creation of educational workshops.
- Project involving the distribution of school supply kits and awareness activities in a primary school

Auguste Renoir High School

09/2018 - 08/2019

Treasurer – Maison des Lycéens Renoir

- Creation and management of a student common area with daily sales.
- Financial Advisor – FMDL
- Event organization