

Annabelle Wurmser

Email : aamw4@cam.ac.uk | Phone: +33 6 33 49 29 97 | <https://www.linkedin.com/in/annabellewurmser/>

Education

- University of Cambridge, (1+3) PhD in Stem Cell Biology and Medicine** 2020–Present
- Wellcome Trust Scholarship, 1st year Prize for Best Project
- École Normale Supérieure Ulm, MSc in Fundamental Biology & Bioinformatics** 2017–2020
- International Selection Scholarship, Cum Laude, progress rate 1.33
- University College Maastricht, BSc in Life Sciences, Pre-med, Cum Laude, top 3%** 2014–2017
- Conducted extra-curricular research in 3rd year (only student) in cancerology and cardiology labs (20h/week).

Consulting & Leadership Projects

- Student Consultant for Carebotics, Accelerate Program, Judge Business School** 2025
- Reviewed 200+ pages of regulatory guidelines for UK and US markets; prepared recommendations to engineering team to advance prototyping to compliance stage.
 - Quantified economic impact for stakeholders, projecting cost savings in the hundreds of millions.
 - Co-drafted investor deck and contributed to pitches at JBS and Cambridge Wide Open Week, engaging 10+ professionals and potential investors.
- Student Consultant for Sigartan, Cambridge Consulting Network** 2022–2023
- Conducted literature review across 50+ publications; identified 10 candidate molecules for clinical re-purposing.
 - Analysed market trends and proposed market strategies, projecting 20% increase in market penetration.
- Student Consultant for Loci, EnterpriseTECH, Judge Business School** 2021–2022
- Assessed commercial viability of AI-driven 3D video reconstruction by analysing competitor landscape.
 - Co-developed and pitched mock investor deck to an audience of 50+ students and business professionals.
- Legal Guardian and Carer for a family member** 2021–2025
- Managed legal, financial, and healthcare decisions; achieved 110% budget turnaround; set-up treatment plan.

Research Experience

- PhD Candidate, Cambridge Stem Cell Institute** 2021–Present
- Devised and secured over £200k funds for original multi-disciplinary research project in biophysics.
 - Acquired and computationally analysed multiomic datasets; improved super-resolution imaging by 15%.
 - Trained 4 junior researchers who all integrated PhD programs in top universities.
 - Co-authored 3+ manuscripts; presented at top UK institutions and international conferences.
- Student Researcher, Maastricht, Paris, Cambridge** 2016–2021
- Secured over €70k personal funds; worked in 9 labs across disciplines; contributed to 4 scientific publications; gained expertise in experimental and bioinformatic tools.

Extra-Curriculars

- Vice Commodore Training, CU Yacht Club** 2025–Present
- Coordinated RYA practical and theory training for 100+ members.
- STEM Outreach & Mentoring** 2018–2022
- Led initiatives promoting scientific literacy and STEM career development for over 100 students.
- Treasurer, ENS Yacht Club** 2018–2020
- Secured and managed €10k budget; coordinated over 10 sailing trips.
- Chair, Think Tank “Price of Medicine”** 2016
- Coordinated 6+ multi-stakeholder interviews and produced policy recommendations on global drug pricing.
- Sports:** Running, cycling, climbing, sailing.

Languages

English (fluent), French (native), Dutch (native), Spanish (B2), German (B1)

Publications

- Wurmser et al., *Chromatin mobility changes precede transcription activation during progenitor fate specification* (manuscript in preparation).
- Agsu et al., *Protein-protein interactions drive differences in the spatiotemporal dynamics of transcription factors NANOG and SOX2 in naïve pluripotent cells* (manuscript in preparation).
- Steindel et al., *A non-catalytic role for MLL2 in controlling chromatin organisation and mobility during the priming of pluripotent cells for differentiation*. BioRxiv, 2025
- Wurmser, Basu, *Enhancer-Promoter Communication: It's Not Just About Contact*. Front. Mol. Bio., 2022
- Tomaz et al., *Generation of functional hepatocytes by forward programming with nuclear receptors*. Elife, 2022
- Jacquemin, Wurmser et al., *Paracrine signalling between intestinal epithelial and tumour cells induces a regenerative programme*. Elife, 2022
- Siudeja et al., *Unraveling the features of somatic transposition in the Drosophila intestine*. EMBO, 2021