

Personal information

Nationality: Swiss, American
Location: Geneva, Switzerland
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Languages

English: Native
French: Fluent spoken, B2 written

Skill highlights

- Laboratory operations & equipment management
- Chemical handling & hazardous materials safety
- Equipment procurement, maintenance & calibration
- Technical support for teachers & students
- Inventory & vendor management

Personal interests

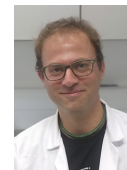
- Facilitating art, design, and science crossover
- Additive and subtractive manufacturing
- Acoustic speaker building
- Novel biomaterials

Technical software

- Microsoft Suite
- Adobe suite
- DNASTAR / Benchling
- Claude code / cowork
- ImageJ / CellProfiler / Imaris
- Autodesk Fusion

Profile

I am a **PhD-trained biochemist** and **experienced laboratory manager** with more than six years of hands-on responsibility for the day-to-day running of a busy practical science lab — equipment procurement, calibration and maintenance, chemical handling and hazardous materials compliance, inventory, and direct support to teachers and students during practical sessions. As the founder and lab manager of the Grow Lab at Central Saint Martins, I built a high-throughput teaching and experimental laboratory from the ground up, sourcing equipment, writing safety documentation, and supporting hundreds of projects across a wide range of organisms and topics. I bring a strong hands-on, problem-solving mindset, a deep instinct for safety in shared lab environments, and an ability to bring excitement and intrigue to scientific education and exploration.



Professional Experience

Central Saint Martins - University of the Arts London, United Kingdom.

Founder & Lab Manager

2019 - 2025

- Solely responsible for the complete buildout and ongoing operation of the Grow Lab: floor-plan design, vendor sourcing, equipment procurement, installation, calibration, and commissioning within budget — supporting hundreds of users and a wide variety of simultaneous projects
- Managed all day-to-day lab operations: equipment maintenance and repair, inventory, ordering of consumables and reagents, preparation of chemical and biological solutions, and prospecting for new instruments suited to evolving practical activities
- Wrote and implemented all health & safety documentation, risk assessments, COSHH and chemical-storage protocols, training procedures, and waste-handling for a BSL-2 environment with a diverse, mixed-experience user base
- Provided hands-on technical support to teaching staff and students during practical sessions — preparing materials, setting up demonstrations, and assisting with experiments across microbiology, biochemistry, biomaterials, and microscopy

University of Geneva, Switzerland.

Research fellow

2018 - 2019

Research assistant

2012 - 2017

- Prepared reagents, solutions, and experimental materials for undergraduate biochemistry and cell biology practical courses; assisted students hands-on through techniques, instrument use, and troubleshooting
- Contributed to the setup, calibration, and ongoing operation of the ACCESS Geneva automated imaging platform — a multi-instrument, shared-user environment
- Maintained experimental workflows across complex multi-instrument benches, including cell culture, chemical screens, CRISPR-Cas9 knockouts, and protein-interaction studies by mass spectrometry
- Routine handling, storage, labelling and disposal of chemical and biological reagents in line with Swiss laboratory safety norms

Education

Ph.D in Biochemistry

University of Geneva

2012 - 2017

M.Sc in Biochemistry

University of Geneva

2009 - 2011

B.Sc in Molecular, Cell and Developmental Biology

University of Colorado at Boulder

2003 - 2008

Technical skills

Hands-on technical & maker background

- Years of hands-on building, troubleshooting and repair: custom PCs, 3D printers, CNC machines, acoustic speakers, and microcontroller projects (Raspberry Pi, Arduino) — a practical, problem-solving mindset that transfers directly to instrument setup, calibration and repair across science disciplines
- Comfortable with electronics, mechanical assembly, optics and basic instrumentation — routinely the person who diagnoses and fixes equipment rather than waiting on a service contract
- Confident learner of new technical domains: built and ran a transdisciplinary lab spanning microbiology, biomaterials, microscopy, and digital fabrication

Lab safety & chemical management

- Wrote and implemented full health & safety frameworks for a BSL-2 teaching laboratory, including risk assessments, COSHH-style chemical assessments, training records, and waste-handling procedures
- Day-to-day handling, storage, labelling, inventory, and disposal of chemical and biological reagents under regulatory frameworks (UK HSE; familiar with equivalent Swiss frameworks — LChim, OChim, ORRChim — and willing to formalise where required)
- Trained and supervised hundreds of users in safe lab practice across mixed-experience cohorts

Leadership, communication & support

- Won the *2022 Outstanding Technical or Operational Support Award* (university-wide, judged by students and peers)
- President of the University of Geneva PhD Student Association for 3 years
- Mentored B.Sc, M.Sc, and PhD students through hundreds of projects across biology, materials, and fabrication
- Clear technical writer and communicator: training documentation, protocols, articles, reports

Scientific background

- Biochemistry, cell biology, molecular biology, genetics
- Hands-on experience across mammalian/animal cells, bacteria, algae, plants, and fungi
- Light & electron microscopy, timelapse imaging, automated imaging platforms
- Hydroponics, fermentation, biomaterials cultivation