

Al-Naser Al-Rais

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EDUCATION

University of Cambridge

BA in Natural Sciences

Cambridge, UK

Oct 2024 - June 2027

- **Specialisation:** Biochemistry, Pharmacology, Computational Biology
- **Coursework:** Cell and molecular biology, protein biochemistry, drug design and pharmacodynamics, quantitative biology
- **Accomplishments:** G.R.N. Minchin Award (substantial travel grant for undergraduates); **1 of 10 worldwide** selected for research placement at TU Munich (fully funded by Max Planck Institute); **raised \$10k** to fund summer 2026 project in George Church's lab

SKILLS

Laboratory: droplet microfluidics (making devices, droplet generation); plasmid design and assembly; lentiviral transduction; DNA and protein purification; fluorescence microscopy; well-plate assays; gel electrophoresis

EXPERIENCE

Stealth Startup (Knowles Lab, University of Cambridge)

Research Assistant

Cambridge, UK

May, October 2025 - Present

- Optimising next-generation drug delivery platform using droplet microfluidics

Lu Lab, Harvard Medical School

Undergraduate Research Fellow, Systems Biology

Boston, MA

Jun 2025 – Sep 2025

- Engineered tunable model system to study pathological protein aggregation
- Executed genetic construct design, viral transduction, fluorescent imaging and analysis independently
- Managed experimental design and timelines
- Presented findings to Systems Biology faculty and at journal club

EXTRACURRICULAR ACTIVITIES

Darwin Society (Christ's College Scientific Society)

[Committee Member]

Jan 2025 - present

- Organised high-profile speaker events
- Organised intercollegiate formal dinners (50+ attendees each)

British Powerlifting

[National Competitor, 2022] (U18, 74kg)

- Ranked in the top 25 nationally
- Achieved a personal best of 910lb total, top in the Northwest regional competition