

# Al-Naser Al-Rais

+44 7438447022 | ana43@cam.ac.uk | linkedin.com/in/lnaseralrais

## 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, mathematical biology
- **Accomplishments:** **1 of 10 worldwide** selected for fully funded placement at TU Munich (Max Planck Institute); Vivensa Foundation Ignition Fund Fellow (**£5,000 grant** for aging research); Raised **\$10,000** to fund aging research in Church lab; G.R.N. Minchin Award (substantial travel grant funded by Cambridge); Bio-Spark Exploring Fellow

## SKILLS

---

**Laboratory:** droplet microfluidics (making devices, droplet generation); mammalian cell culture (HEK293, U2OS); plasmid design and editing; lentiviral transduction; DNA and protein purification; fluorescence microscopy; well-plate assays; gel electrophoresis

## EXPERIENCE

---

### Knowles Lab, University of Cambridge

*Undergraduate Researcher*

Cambridge, UK

Oct 2025 - Present

- Investigating TDP-43 phase boundary in ALS/FTD 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 editing, viral transduction, fluorescent imaging and analysis independently
- Managed experimental design and timelines
- Presented findings to collaborators

## EXTRACURRICULAR ACTIVITIES

---

### Cambridge Society for Ageing and Longevity Research

*[Head of undergraduate engagement]*

Jan 2026 – present

### Darwin Society (Christ's College Scientific Society)

*[Speaker's Officer]*

June 2025 - present

- Organised high-profile speaker events and formal dinners

### British Powerlifting

*[National Competitor, 2022]*

- Ranked top 25 nationally