



Leah Anderson

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ABOUT ME

My academic journey began with a First Class BSc in theoretical physics from the University of Edinburgh in 2021 and led me to the EUR LIGHT graduate program at the University of Bordeaux. As a highly motivated second year PhD student, I bring a strong quantitative academic background coupled with excellent problem solving abilities. Being awarded a full doctoral scholarship underscores my dedication to my studies. Currently, I am working as a full-time research PhD candidate at the Laboratoire Ondes et Matière d'Aquitaine where I am gaining hands-on experience conducting research in mathematical and computational modelling of complex systems. Some of my previous research projects include simulating the population growth dynamics of bacterial communities and calculating trajectories of self-propelling particles. I co-authored a paper on the latter topic, which has been published in a major journal.

EDUCATION AND TRAINING

01/10/2024 – CURRENT

PHD THEORETICAL PHYSICS University of Bordeaux

01/09/2022 – CURRENT Bordeaux, France

MSC PHYSICS OF LIGHT-MATTER INTERACTION University of Bordeaux

18/09/2017 – 27/11/2021 Edinburgh, United Kingdom

BSC THEORETICAL PHYSICS, FIRST CLASS HONS University of Edinburgh

Website <https://www.ph.ed.ac.uk/>

WORK EXPERIENCE

SCIENTIFIC WRITING CONSULTANT – EXACT THERAPEUTICS AS – 17/02/2022 – 30/11/2022

Role working remotely for Norwegian biotechnology company EXACT Therapeutics as a scientific writer, reporting directly to the chair of the company's board. Researched and wrote a 6-part article series on medical ultrasound innovation in Norway, with publications coordinated by Innovation Norway. Research responsibilities include interviewing former CEOs of GE Healthcare and leading academics in the field.

MATHS & PHYSICS TUTOR – MYTUTOR.CO.UK – 02/10/2021 – Current

Self-employed mathematics and physics tutor for high school and undergraduate-level pupils, with all lessons conducted virtually. I provide around 5 hours of private lessons per week in addition to preparing lesson resources and study materials.

PUBLICATIONS

2024

[Self-phoretic oscillatory motion in a harmonic trap](#)

Accepted article, Physical Review E

HONOURS AND AWARDS

18/09/2017

Margaret Campbell-Scott Entrance Scholarship – School of Physics & Astronomy, University of Edinburgh