Tadas Andriuskevicius, PhD

MOLECULAR BIOLOGIST

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SUMMARY

Following the completion of my PhD and a necessary break to address health matters, I am now seeking to advance my career into the field of synthetic biology, particularly strain engineering. My background in molecular biology and hands-on research experience position me well for this transition, as outlined in this resume. For a more detailed overview, please refer to my portfolio.

PROFESSIONAL EXPERIENCE

RESEARCH ASSISTANT | The University of Edinburgh Jan 2022 – Dec 2022

Following the successful defence of my PhD thesis, I was hired by my supervisor to finalize the project and publish the results.

- Conducted and coordinated ChIP-seq and time-lapse microscopy experiments that required the collaboration of multiple scientists from several groups.
- Authored and managed the manuscript through the publication process, including editor correspondence, file preparation, formatting, and revisions based on the reviewer feedback.

INTERN | AstraZeneca Sep 2019 – Dec 2019

An internship in industry focused on genetic engineering – carried out as part of the EastBio doctoral training programme.

- Investigated the therapeutic potential of the CRISPR-Cas9 system for treating a repeat expansion disorder.
- Evaluated the efficiency of a gene editing strategy in human cells.
- Participated in internal meetings on other gene-based therapies being developed in the company.
- Assisted colleagues with molecular cloning, strain screening, and the evaluation of gene editing efficiency.

INTERN | Max Planck Institute for Biophysical Chemistry Jun 2016 – Aug 2016

A summer internship funded by the DAAD RISE Germany programme.

- Researched the role of miRNAs in dystrophin glycoprotein complex signalling and the pathogenesis of muscular dystrophy.
- Carried out RNA extractions, Drosophila dissections, and sample preparation for microscopy.

INTERN | Vilnius University May 2014 – Aug 2014

A summer internship funded by the Research Council of Lithuania.

- Investigated the subcellular localization of a prokaryotic Argonaute protein *in vivo*.
- Carried out bacterial strain development and fluorescent microscopy.

EDUCATION

PHD, MOLECULAR AND CELL BIOLOGY | The University of Edinburgh 2017 – 2022

Investigated the significance of Rad51 nucleoprotein filament regulation during DNA replication and repair.

Tadas Andriuskevicius, PhD

BSC, BIOTECHNOLOGY | The University of Edinburgh 2013 – 2017

Achieved a first-class honours degree with the highest overall grade average in the School of Biological Sciences.

PUBLICATIONS

SCIENTIFIC ARTICLE Andriuskevicius *et al*. The inability to disassemble Rad51 nucleoprotein filaments leads to aberrant mitosis and cell death. *Biomedicines* 2023, 11, 1450.

SCIENTIFIC REVIEW Andriuskevicius *et al*. Putting together and taking apart: assembly and disassembly of the Rad51 nucleoprotein filament in DNA repair and genome stability. *Cell Stress* 2018, 2, 96-112.

AWARDS

ROYAL SOCIETY OF BIOLOGY TOP STUDENT AWARD | The University of Edinburgh 2017

Awarded for achieving the highest overall percentage score across all undergraduate programmes in the School of Biological Sciences.

BIOTECHNOLOGY 4 TOP STUDENT PRIZE | The University of Edinburgh 2017

Awarded for achieving the highest overall percentage score in the BSc Biotechnology programme.

THE BUCHANAN PRIZE | The University of Edinburgh 2016

Awarded for excellence in an undergraduate course Molecular Genetics 3.

CERTIFICATES

GOOGLE DATA ANALYTICS CERTIFICATE | Google + Coursera 2023

INTRODUCTION TO QUANTITATIVE BIOLOGY | *SysMIC.ac.uk* 2020

SKILLS AND EXPERTISE

SCIENTIFIC SKILLS	Molecular biology techniques | Molecular cloning | Strain engineering | Strain screening using PCR | Handling of yeast and bacteria | Experiment design | Data analytics | Data visualization and presentation | Literature review | Scientific writing
TECHNICAL SKILLS	Python | Microsoft Excel and PowerPoint | Web development
SOFT SKILLS	Analytical thinking | Creative problem solving | Attention to detail | Time management | Project management | Teamwork
LANGUAGES	English (fluent) | Lithuanian (native) | French (beginner)

REFEREES

DR SVETA MAKOVETS | PhD Supervisor sveta.makovets@ed.ac.uk

Chancellor's Fellow

The University of Edinburgh

DR PINAR AKCAKAYA | Internship Supervisor pinar.akcakaya@astrazeneca.com

Senior Research Scientist

AstraZeneca