

Arilena Drovik

PhD Molecular Biology
Principal Investigator | Professor of Molecular Genetics

Contact

Västra Vallgatan 14
223 61 Lund, Sweden
+46 72 555 4392
arilena.drovik@example.com
www.arilenadroviklab.com
linkedin.com/in/arilenadrovik

Professional Role

A highly accomplished molecular biologist and geneticist with over 20 years of experience in research, academic leadership, and translational science. Principal Investigator and Professor at Lund University, leading a research group focused on gene regulation and epigenetics in developmental biology and disease. International experience spanning industry and academia, with strong expertise in CRISPR-Cas9 gene editing, RNA biology, and single-cell sequencing technologies. Proven track record of securing competitive research grants, publishing in high-impact journals, and mentoring early-career scientists.

Areas of Expertise

- Molecular Biology & Genetics
- Epigenetics & Gene Regulation
- CRISPR-Cas9 and Genome Editing
- Single-cell Transcriptomics
- RNA Biology and Non-Coding RNAs
- Translational Research & Drug Target Validation
- Scientific Leadership & Academic Mentoring
- Research Grant Writing and Project Management

Career History

2016 – Present

Professor and Principal Investigator – Department of Molecular Biology, Lund University, Sweden

- Lead research program on gene regulation during early mammalian development.
- Supervised 7 PhD students and 4 postdocs; over 30 peer-reviewed publications.
- Partnered with biotech companies on translational gene therapy projects.
- Developed core facility for single-cell RNA-sequencing technologies.
- Successfully secured multiple grants from the Swedish Research Council and EU Horizon programs.

2009 – 2016

Senior Scientist – Genomics & Molecular Biology Division, Helixon Therapeutics Ltd., London, UK

- Directed preclinical drug target validation projects in oncology and rare genetic diseases.
- Led international collaborations between academia and pharma partners.
- Co-inventor on 4 patents related to RNA-based therapeutic strategies.
- Championed diversity and mentoring initiatives for early-career scientists.

Educational History

PhD in Molecular Biology
University of Cambridge, UK
Graduated: 2009
Dissertation: 'Epigenetic Modulators of Gene Expression in Early Development'

MSc in Molecular Biology
Charles University, Prague, Czech Republic
Graduated: 2004

BSc in Biology
Charles University, Prague, Czech Republic
Graduated: 2002

Professional Memberships and Languages

Member, European Molecular Biology Organization (EMBO)
Member, American Society for Cell Biology (ASCB)
Member, Swedish Society for Biochemistry and Molecular Biology (SFBBM)

Languages
Czech (native), English (fluent), Swedish (fluent), German (conversational)