



PROFILE

Dedicated scientist set out to sail through terra incognita of nature, equipped with persistence, stamina, an eye for detail, and a broad vision. On board with structural biology, biophysics, biochemistry, molecular dynamics, and microscopy.

LANGUAGES

English German

TECHICAL SKILLS

- X-ray Protein Crystallography
- Single Particle Cryo-EM
- Molecular Dynamics Simulations
- Small Angle X-ray Scattering
- Liquid Chromatography (SEC, IMAC, IEX, HIC, HPLC)
- Spectroscopy (FTIR-ATR, UV-Vis, CD, Fluorescence)
- Confocal Laser Scanning Microscopy
- Biophysics (SEC-MALS, nanoDSF, Mass Photometry, Thermophoresis, DLS)
- Protein Overexpression and Purification (Mammalian, Insect and Bacteria)
- Cell Culture (Mammalian, Insect and Bacteria), Transfection, Selection
- Fluorescence-Activated Cell Sorting
- Biochemistry (Radio and Fluoro-labeling, Electrophoresis, Activity and Binding Assays)
- Molecular Cloning (Gibson Assembly)
- Advanced Design of Expression Plasmids
- Bioinformatics (Sequence Mining, Aligning)
- Image Analysis and Processing
- Visualization of Structures and their Dynamics

COMPUTING SKILLS

- Linux Python Bash LabVIEW
- High-Performance Cluster Computing
- Machine Learning & Neural Networks (CNN)

SOFT SKILLS

- Critical Thinking Problem Solving
- Open Minded Enthusiastic Curious
- Self-Supervising Collaborative Reliable
- Attention to Detail Time Managment
- Organizational Skills Communication
- Resilience Presentation Skills

VLADIMIR ARINKIN

Dr. rer. nat in Structural Biochemistry

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EDUCATION

Jan 2014 - Jun 2017

Heinrich-Heine-University
Düsseldorf, Germany

Dr. rer. nat. in Structural Biochemistry

- Final Mark: summa cum laude
- Thesis: Structure-based studies on LOV photoreceptor proteins PDF

Mar 2010 - Aug 2012

Aachen University of
Applied Sciences, Germany

M.Sc. in Biomedical Engineering

- Final Mark: 1.3 (Best - 1)
- Thesis: Feasibility study of plant phenotyping system for the date palm trees based on leaf's analysis

Aug 2004 - Jun 2008

Kazakhstan National
University

B.Sc. in Physics

- GPA: 3.06 (Best - 4)
- Thesis: IR-spectroscopic and thermodesorption study of thermostimulated transitions in solid alcohols

WORK

from Jan 2022

University of Geneva,
Switzerland

Staff Scientist

Faculty of Sciences, Department of Molecular and Cellular Biology

Sep 2018 - Dec 2021

EMBL Heidelberg,
Germany

Postdoctoral Researcher

Structural and Computational Biology Unit

Jul 2017 - Aug 2018

Jan 2014 - Jun 2017

Forschungszentrum Jülich,
Germany

Bridging Postdoc

PhD Student

Institute of Complex Systems (ICS-6), Structural Biochemistry

Aug 2008 - Dec 2013

Aachen University of
Applied Sciences, Germany

Research Assistant

Institute for Bioengineering, Cell Biophysics Laboratory

Jan 2007 - Jul 2008

Kazakhstan National
University, Kazakhstan

Research Assistant

Low Temperature Physics Laboratory

TEACHING

Nov 2018 - Nov 2020

PhD Courses
EMBL Heidelberg, Germany

Jul 2014 - Mar 2017

Practical Courses
Heinrich-Heine-University Düsseldorf, Germany

May 2009 - Dec 2013

Lectures and Practical Courses
Freshmans Institute of Aachen University, Germany

Mar 2010 - Dec 2013

Lectures and Practical Courses
Aachen University of Applied Sciences, Germany