# KLAVDIIA NAUMOVA

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**Nanolive SA** 

Deep Quantitative Biology Intern

EDUCATION				
École Polytechnique Fédérale de Lausanne (EPFL)			09 2021 - 08 2023	
MSc in Life Sciences Engineer	ing, Minor in Data Science	- GPA - 5.2 (max. 6.0)	Lausanne, Switzerland	
Moscow State University (M	*		09 2015 - 06 2021	
Specialist degree in Fundamental and Applied Chemistry - <b>GPA</b> - <b>5.0 (max. 5.0)</b>			Moscow, Russia	
RELEVANT COURSES				
<ul><li>Analysis</li></ul>	<ul> <li>Machine Learning</li> </ul>	<ul> <li>Applied Data Analysis</li> </ul>	<ul> <li>Image Processing</li> </ul>	
Linear Algebra  Product illite the agree of the second of the secon	Deep Learning	Applied Biostatistics	<ul> <li>Image Analysis and Pattern Recognition</li> </ul>	
<ul> <li>Probability theory and statistics</li> </ul>	<ul> <li>Optimization for Machine Learning</li> </ul>	<ul> <li>Natural Language Processing</li> </ul>	Functional	
	8	g	Programming	
MASTER THESIS				
-		telligent Global Health Grou	p, EPFL 02 2023 - 07 2023	
inDISCO: interpretable DIStrib	uted COllaborative learni	ng for biomedical images		
SEMESTER PROJECTS				
<b>iGH/MLO EPFL</b> xDISCO: eXplainable DIStribut	ted COllaborative learning	for images	09 2022 - 01 2023	
<b>MicroBioRobotic Systems L</b> Optical Elastography Pipeline		ation	02 2022 - 06 2022	
COURSE PROJECTS				
Machine learning: Detectior	of traffic cones coordina	tes using neural networks	12 2021	
Applied data analysis:				
0 0	3	he media using sentiment and	alysis <b>12 2021</b>	
<b>Deep Learning:</b> Image denoising using Noise2Noise neural network			05 2022	
Natural language processin	<b>g:</b> Developing language r	nodels for digital educational	assisting <b>06 2023</b>	
OTHER RESEARCH EXPERIE	NCE			
<b>Laboratory of Surface Phen</b> Institute of Physical Chemist Russian Academy of Science Synthesis of silica nanocontain	ry and Electrochemistry (IPCE RAS)		10 2015 - 06 2021	
<b>Laboratory of Biologically A</b> Synthesis of a 2-thiohydantoid		•	10 2017 - 05 2018	
CONFERENCES				
EPFL Engineering Industry xDISCO poster presentation	Day 2023		<b>03 2023</b> Lausanne, Switzerland	
INTERNSHIPS			Lausume, Switzenama	
iGH/MLO EPFL			08 2023 - 02 2024	
Research Intern			Lausanne, Switzerland	

Tolochenaz, Switzerland

07 2022 - 09 2022

#### OTHER WORK EXPERIENCE

Student Assistant at the CS-433 Machine learning course (EPFL)

Student Assistant at the MATH-205 Analysis IV course (EPFL)

Laboratory Assistant (IPCE RAS)

Corrected to the MATH-205 Analysis IV course (EPFL)

Of 2012 – 06 2022

Of 2019 – 06 2021

Laboratory Technician (IPCE RAS)

Of 2018 – 07 2019

### **TECHNICAL SKILLS**

Python (PyTorch, Scikit-learn, Pandas, OpenCV), R, Scala, HTML, CSS, Git, LaTeX, VS Code, Jupyter, Fiji, Fusion360

#### **LANGUAGES**

English: advanced French: intermediate Russian: native

## **PUBLICATIONS**

- 1. E. Ozelci et al. / Mechanical characterization of biological samples using robot-assisted optical microelastography / MARSS, July 25–29, 2022, Toronto, Canada
- 2. K. Naumova et al. // Microporous Mesoporous Mater. 2021. V. 316. P. 110911. DOI: 10.1016/j.micromeso.2021.110911
- 3. O.V. Dement'eva et al. // Colloids Surf., B. 2020. V. 185. P. 110557. DOI: 10.1016/j.colsurfb.2019.110577
- 4. K. Naumova et al. // Colloid J. 2019. V. 81. No. 4. P. 416. DOI: 10.1134/S1061933X19040094
- 5. O.V. Dement'eva et al. // Colloid J. 2017. V. 79. No. 4. P. 451. DOI: 10.1134/S1061933X17040020