KLAVDIIA NAUMOVA, MSc

PhD Student in Machine Learning for Medicine klavdiia.naumova@gmail.com

EDUCATION

MSc in Life Sciences Engineering, Minor in Data Science | July 2023

Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland | GPA - 5.2/6.0

Thesis: Interpretable distributed collaborative learning for biomedical images

Specialist (BSc + MSc) in Fundamental and Applied Chemistry | June 2021

Moscow State University (MSU), Russia | GPA - 5.0/5.0 | Thesis: Drug-templated synthesis as method of obtaining high-capacity silica containers with controlled structure

EXPERIENCE

- AI Research Engineer at the Yale-EPFL Laboratory for Intelligent Global Health & Humanitarian Response Technologies (LiGHT) | April 2024 – August 2024
- Research Intern at LiGHT | August 2023 – February 2024
- Student Assistant at the Machine learning course, EPFL | September 2022 – January 2023
- Student Assistant at the Analysis IV course, EPFL | February 2022 – June 2022
- Deep Quantitative Biology Intern at Nanolive SA | July 2022 – September 2022
- Laboratory Assistant at the Institute of Physical Chemistry and Electrochemistry, Russian Academy of Sciences | June 2018 – June 2021

TECHNICAL SKILLS

Python, PyTorch, JavaScript, TypeScript, HTML, CSS, Git, LaTeX, VS Code, Jupyter

LANGUAGES

English: advanced, IELTS 8.5

French: intermediate, DELF B1 (94.5/100)

German: elementary

Russian: native

PUBLICATIONS

1. Naumova K., Devos A., Karimireddy S.P. et al. MyThisYourThat for interpretable identification of systematic bias in federated learning for biomedical images. *npj Digit. Med.* **7**, 238 (2024). https://doi.org/10.1038/s41746-024-01226-1
2. Naumova K., Dement'eva O.V., Senchikhin I.N. et al. Mesoporous silica particles based on complex micelles of poorly water-soluble compounds. One simple step to multidrug carriers. *Microporous Mesoporous Mater.* **316**, 110911 (2021). https://doi.org/10.1016/j.micromeso.2021.110911
3. Naumova K., Dement'eva O.V., Zaitseva A.V. et al. Solubilization as a Method for Creating Hybrid Micellar Templates for the Synthesis of Multifunctional Mesoporous Containers. *Colloid J.* **81**, 416-424 (2019). https://doi.org/10.1134/S1061933X19040094

CONFERENCES & WORKSHOPS

ELLIS PhD Symposium 2024
Poster presentation | Paris, France | August 2024

Workshop SMART-AI: Leveraging AI for Health Decision Support Systems
Talk on Distributed Learning | Lausanne, Switzerland | April 2024

EPFL Engineering Industry Day 2023
Poster presentation | Lausanne, Switzerland | March 2023

VOLONTEERING

Tutor at the children's intellectual creativity camp | Saransk, Russia | August 2018
Photographer and designer at the children's intellectual creativity camp | Saransk, Russia | August 2017

LINKS

Personal website
LinkedIn profile
Google Scholar