



# Daria Gaidar

## Personal information

Im Birkenfeld 3 66125 - Saarbruecken Germany

Citizenship: Ukraine

Marital status: single

Date of birth: 30/05/1989

Email: daria.gaidar@bioinformatik.uni-saarland.de

## Education **Center for Bioinformatics, Saarland University, Saarbruecken, Germany** **[since 08/2015]**

PhD student, Graduate School of Computer Science

## **Saarland University, Saarbruecken, Germany**

**[10/2010 – [09/2013-09/2014 year abroad] – 07/2015]**

Master of Science in Bioinformatics

## **Kumamoto University, Kumamoto, Japan**

**[10/2013 – 10/2014]**

Research graduate student, Computer Vision

## **Kyiv Polytechnic Institute, Kyiv, Ukraine**

**[2006 - 2010]**

Bachelor of Science in Computer Science, Medical Engineering Faculty

## **International University of Finance, Kyiv, Ukraine**

**[2008 - 2010]**

Bachelor of Science in Finance

## **Specialized School #129, Kyiv, Ukraine**

**[1996 - 2006]**

Graduation from the high school with honors certificate

## Additional training **Master in Business Administration (MBA) European Management, European Institute for Advanced Behavioural Management at Saarland University, Saarbruecken, Germany**

**[since 09/2019]**

The programme imparts general managerial knowledge with a focus on behavioural management and a high degree of practical relevance.

## **Machine Learning Summer School, University of Kyoto, Japan**

**[08/2015 - 09/2015]**

Deep immersion in modern methods of statistical machine learning and inference

**Institute for Information Systems at German Research Center for Artificial Intelligence, DFKI Gmbh, Saarbruecken, Germany**

**[10/2012 - 03/2013]**

Consulting Training Session

Scholarships and Grants

**Joint scholarship from the European Institute and Equal Opportunities Office**

**[09/2019 – 09/2023]**

For postgraduate education of female scientists at Saarland University. MBA in European Management

**JASSO research scholarship**

**[10/2013 – 10/2014]**

For the conduction of research in the Kumamoto University

**German Academic Exchange Service (DAAD)**

**[10/2010 – 10/2012]**

For the completion of Master of Science degree in Bioinformatics in Saarland University

Working Experience

**Researcher, Saarland University, Saarbruecken, Germany**

**Chair of Computational Biology**

**[since 08/2015]**

Conducting research in the area of bacterial and cancer drug resistance, drug repurposing, chemical genomics and data science. Assisting in teaching and supervising students

**Research Assistant, Saarland University, Saarbruecken, Germany**

**Chair of Biophotonics and Laser Technology/JenLab GmbH**

**[05/2012 – 05/2013]**

Day to day work with two-photon laser microscopes and time correlated single photon counting technique. Data evaluation, image processing, cell culturing (also iPS cells) and freezing

**Tutor, Saarland University, Saarbruecken, Germany**

**[04/2012 – 09/2012]**

Software Engineering Core Course

**[04/2011 – 07/2011]**

Acquisition, Analysis and Management of Biological Image Data

**Volunteer, English Coach, IGS Campania, Naples, Italy**

**[02/2010 - 05/2010]**

Providing training and English classes for high school students

**Radiology Technician, National Cancer Institute, Kyiv, Ukraine**

**[10/2009 – 03/2010]**

Dosimetry tests design. Planning irradiation treatment procedures on the three-dimensional system THERAPLAN Plus (Canada)

Relevant skills

Programming languages and environments: R, Python, MATLAB

Keen in data analysis

	Trained in security and duties in laser, radiology and wet lab environment
	Affine in the use of MS Office package
	Experienced in scientific writing
Languages	English: fluent German: very good Japanese: intermediate Russian: mother tongue Ukrainian: mother tongue
Personal Information	Citizenship: Ukraine Marital status: single Date of birth: 30/05/1989
Activities	Swimming, mountaineering, rowing
Scientific Papers and Posters	<p><b>Gaidar, D.</b>, Araya, A.G., Helms, V. (2019). Workflow for transcription factor knockout simulations on transcriptome primed whole genome metabolic model reconstructions for 10 antibiotic resistant <i>Escherichia coli</i> strains. <i>ISMB/ECCB, Conference on Intelligent Systems for Molecular Biology, Basel, Switzerland</i> [Poster]</p> <p><b>Gaidar, D.</b>, Flohr, A., Helms, V. (2018). Integration and prediction of data on evolutionary drug interactions in antibiotic resistant strains of <i>Escherichia coli</i>. <i>ISMB, Conference on Intelligent Systems for Molecular Biology, Chicago, USA</i> [Poster]</p> <p><b>Gaidar, D.</b>, Flohr, A., Helms, V. (2018). Integrative study on independently published data on evolutionary drug interactions in laboratory evolved antibiotic resistant strains of <i>Escherichia coli</i>. <i>Challenges and new concepts in antibiotics research, Institute Pasteur, Paris, France</i> [Poster]</p> <p>Flohr, A., Helms, V., <b>Gaidar, D.</b> (2017). Data analysis to improve understanding and prediction of cross-resistance and epistatic interactions. <i>ISMB/ECCB, European Conference on Computational Biology, Prague, Czech Republic</i> [Poster]</p> <p><b>Gaidar, D.</b>, Jordan, A., Akulenko, R., Helms, V., von Mueller, I. (2016). Differentiated assessment of the adhesion kinetics of <i>S. aureus</i> to human leukocytes. <i>EMBO, EMBL Symposium: Innate Immunity in Host-Pathogen Interactions, Heidelberg, Germany</i> [Poster]</p> <p><b>Gaidar, D.</b>, Greil, M., Andreychenko, A., Helms, V. (2016) Modeling Stress and Drug Resistance Development in <i>Escherichia coli</i>. <i>CSBio2016, Conference on Computational Systems-Biology and Bioinformatics, Macau</i> [Talk]</p> <p>Koga, M., Izumi, S., Matsubara, S., Inada, Y., &amp; <b>Gaidar, D.</b> (2014). Proposal for welfare town planning method and experimental development of support system for persons with disabilities. <i>Procedia Environmental Sciences, 22, 70-77</i>. [Paper]</p> <p>König, K., Uchugonova, A., Breunig, G., Kloetzer, M., Weinigel, M., Bückle, R., <b>Gaidar, D.</b>, Lademann, J.M. (2014). <i>Quantitative multiphoton imaging. SPIE Photonics West</i> [Keynote presentation]</p> <p>Klötzer, M., <b>Gaidar, D.</b>, Uchugonova, A., Breunig, G., &amp; König, K. (2012). Two-photon autofluorescence microscopy and modelling of light transport in skin tissue phantoms. <i>FLIM Workshop, Saarbruecken, Germany</i> [Poster]</p>

