
Education

- Feb 2019 **PhD degree with Summa cum laude in Bioinformatics**, *Bioinformatics approaches to study antibiotics resistance emergence across levels of biological organization.*, Center for Bioinformatics, Faculty of Science, University of Tübingen, Germany.
- Nov 2013 **MSc degree with Very Good in Macro-field of Study, Bioinformatics and Systems Biology**, Faculty of Mathematics, Informatics and Mechanics, University of Warsaw, Poland.
- Sep 2011 **BSc degree in Macro-field of Study, Bioinformatics and Systems Biology**, Faculty of Mathematics, Informatics and Mechanics, University of Warsaw, Poland.

Employment

- since Apr 2019 **Postdoctoral researcher in Infectious Diseases, ValueDX project in group of Prof. Evelina Tacconelli**, *University of Verona, Italy.*
- Sep 2013 - Mar 2019 **PhD student in Algorithms for Bioinformatics group supervised by Prof. Daniel Huson**, *Center for Bioinformatics Tübingen.*
- Sep 2013 - Jan 2019 **PhD program International Max Planck Research School From Molecules to Organisms**, *Max Planck Institute for Developmental Biology and University of Tübingen, Germany.*
- 14 Mar - 20 Apr 2016 **Internship in Prof. Mihai Pop's group**, *Center for Bioinformatics and Computational Biology, University of Maryland, USA.*
- Jul - Sep 2012 **Internship in Prof. Andrew J. McCammon's group**, *University of California San Diego, USA.*
- Jun 2011 - Sep 2013 **Graduate student fellowship in the TEAM project, co-founded by The Foundation for Polish Science at Biomolecular Machines Laboratory, supervised by Prof. Joanna Trylska**, *Centre of New Technologies "Ochota", University of Warsaw, Poland.*
- 2009 - 2010 **Internship in Prof. Janusz Bujnicki's group at Laboratory of Bioinformatics and Protein Engineering**, *International Institute of Molecular and Cell Biology, Warsaw, RNA structure modeling.*

Main publications

- 2022 **Gentilotti E., De Nardo P., Cremonini E., Górska A., Mazzaferri F., Canziani M. L., Hellou M. M., Olchowski Y., Poran I., Leeftang M., Villacian J., Goossens H., Paul M., Tacconelli E.**, *Diagnostic accuracy of point-of-care tests in acute community-acquired lower respiratory tract infections. A systematic review and meta-analysis.*, CMI.
- 2020 **Hellou, M. M., Górska, A. Mazzaferri, F., Cremonini, E., Gentilotti, E., De Nardo, P., ... Paul, M. (2020).**, *Nucleic-acid-amplification tests from respiratory samples for the diagnosis of coronavirus infections: systematic review and meta-analysis.*, CMI.

- 2019 **Tacconelli, E., Górská A., Angelis, G., Lammens, C., Restuccia, G., Huson, D. H.,...Kazma, M.,** *Estimating the Association between Antibiotic Exposure and Colonisation with Antibiotic-resistant Bacteria using Machine-learning Methods*, Journal of Antimicrobial Chemotherapy.
- 2019 **Arumugam K., Bağcı, C., Bessarab, I., Beier, S., Buchfink, B., Górská, A., Qiu, G., Huson, D. H., Williams R.,** *Annotated bacterial chromosomes from frame-shift-corrected long read metagenomic data*, Microbiome, 7.
- 2018 **Górská, A., Peter, S., Willmann, M., Autenrieth, I., Schlaberg, R., Huson, D.H., 2018.,** *Dynamics of the human gut phageome during antibiotics treatment.*, Comput. Biol. Chem..
- 2016 **Huson D., Beier S., Flade I., Górská A., El-Hadidi M., Mitra S., and others,** *MEGAN Community Edition - Interactive Exploration and Analysis of Large-Scale Microbiome Sequencing Data*, PLoS Comput Biol, 12, 4–12.
- 2016 **Górská A., Markowska-Zgrajek A., Równicki M., Trylska J.,** *Scanning of 16S ribosomal RNA for peptide nucleic acid and targets*, J Phys Chem B..
- 2015 **Górská A., Jasiński M., and Trylska J.,** *MINT: Software to Identify Motifs and Short-Range Interactions in Trajectories of Nucleic Acids*, NAR, 43.

Current projects

- ORCHESTRA** **A member of the coordinator team, delegated to the data collection and analysis (Work-Package 7).**
- READMISSIONS** **Building a machine-learning model to predict readmissions from clinical data., Collaborator: Prof. Dr. med. Mical Paul, Rambam Health Care Campus, Haifa, Israel.**
- SARS-CoV2** **Impact of the SARS-CoV-2 infection and therapy on the human gut microbiome..**
- CIK** **Assembly and comparison of the *C. Koseri* strains isolated from outbreak in the Verona hospital NICU.**
- ValueDX** **Development of the clinical algorithm for diagnosis of the community acquired respiratory-tract infections.**

Teaching

- 2021/2022 **A practical interdisciplinary PhD course on exploratory data analysis., Verona.**
- 2021 **Programming for bioinformatics about Metagenomics., Guest lecturer, Verona.**
- 2017 **Bioinformatics pro-seminar, Carried out independently.**
- 2017, 2018 **Informatics Vorkurs, Planned and carried out independently.**
- 2016, 2017 **Visualization of Biological Data, TA-ed and planned.**
- 2016 **Programming Projects in Python and Java, Carried out independently.**
- 2014, 2016 **Bioinformatics I, TA-ed and planned.**
- 2015 **Advanced Java for Bioinformatics, TA-ed and planned.**