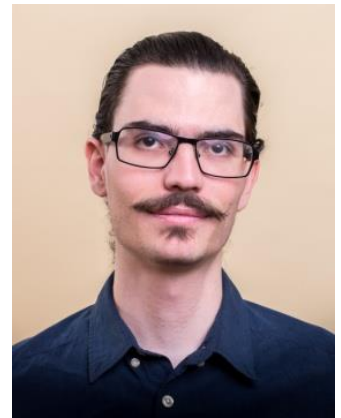


János Juhász



PERSONAL INFORMATION

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Work address H-1083 Budapest, Práter utca 50/a
Date/Place of birth June 3, 1989, Budapest, Hungary
Nationality/Citizenship Hungarian

SKILLS

- Programming in Matlab, Python, R (basics), C++ (basics). UNIX basics.
- Microbial community modelling
- Engineering and life science cross-disciplinary thinking.
- Supervising research of BSc and MSc students.
- Tutor of first year students
- Experience in teaching practical courses of Differential equations in biology, Theory of nonlinear dynamic systems, Molecular biology, Introduction to bioinformatics, Linear algebra, and Functional analysis.

PROFESSIONAL INTERESTS

- bacterial communication and cooperation
- microbial communities, microbiome
- bioinformatics
- systems biology
- quantitative/computational biology
- individual/agent-based modelling

WORK

- 2019– Lecturer at Pázmány Péter Catholic University Faculty of Information Technology and Bionics, Budapest
- 2016– Assistant research fellow (2016-2019), research fellow (2019-) at OTKA K120650 'Microbiome bioinformatics: Computational analysis and modelling of complex bacterial communities' project

EDUCATION

- 2015–2019 PhD in Roska Tamás Doctoral School of Science and Technology, Pázmány Péter Catholic University Faculty of Information Technology and Bionics, Budapest, Thesis title: Studying of coordination in microbial communities via agent-based modelling, Thesis advisor: Prof. Sándor Pongor

- 2013–2015 MSc in Medical Biotechnology, Pázmány Péter Catholic University Faculty of Information Technology and Bionics, Semmelweis University, Budapest,
Thesis title: Agent based modelling of bacterial horizontal gene transfer, Thesis advisor: Prof. Sándor Pongor.
- 2009–2013 BSc in Molecular Bionics, Pázmány Péter Catholic University, Faculty of Information Technology, Budapest,
Thesis title: Agent based modelling of bacterial communication and cooperation, Thesis advisor: Prof. Sándor Pongor.

CONFERENCES, SHORT COURSES, STUDY TRIPS

- 2019 (27-29 October) Presentation at From Protein Complexes to Cell-Cell Communication conference, Esztergom
- 2019 (29-31 September) Poster presentation at International Workshop on Control Engineering and Synthetic Biology, Oxford
- 2019 (2-4 September) COST CA18131 Training School: Workshop on Microbiome and Machine Learning, Sarajevo
- 2019 (29-31 March) Poster presentation at Hungarian Molecular Life Science 2019 conference, Eger
- 2019 (10-12 January) Poster presentation at Bioinspired analysis of dynamical systems and Protein network analysis conference, Esztergom
- 2018 (21-24 April) Poster presentation at RECOMB 2018 conference, Paris
- 2017 (June),
• 2018 (June),
• 2019 (June) Teaching assistant at the “Bioinformatics: Computer Methods in Molecular Biology” course, International Centre for Genetic Engineering and Biotechnology, Trieste
- 2016 (17 November) Poster presentation at From Medicine to Bionics - 3rd European PhD Conference, Budapest
- 2014 (June) Study trip to the University of Notre Dame, Indiana, USA

- 2013 (June) Theoretical and Practical Course in Bioinformatics, International Centre for Genetic Engineering and Biotechnology, Trieste
- 2013 (May) Campus Hungary study trip to EMBL, Heidelberg
- 2011 (July–August) International Biology Undergraduate Summer School, UZH and ETH Zürich, Project title: 4-D reconstruction of Drosophila pupal trachea from X-ray tomography data. Supervisor: Dr. Christoph Aegerter

LANGUAGE SKILLS

Hungarian	native
English	Advanced (C1) language exam (2009)
Latin	Intermediate (B2) language exam (2009)

Budapest, 2020. 01. 20.