

Maksym Danchenko, PhD

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WORK EXPERIENCE

- 2012 – present Research Assistant / Postdoctoral Fellow
Institute of Virology, Biomedical Research Center (Bratislava, Slovakia)
Laboratory of Ludovit Skultety, PhD
Projects: “Development of label free quantitative proteomic workflow and implementation of bioinformatic functional data analysis”, “Plant-virus interaction from discovery proteomics perspective”
Webmaster of the organization internet page (2015-2016)
Member of the local Organizing Committee of the II INPPO World Congress (2016)
- 2018 Visiting Investigator
Medical University of Vienna (Vienna, Austria)
Laboratory of Goran Mitulovic, PhD
Project: “Novel liquid chromatography columns for the efficient profiling of bacterial proteome”
- 2015 Visiting Investigator
National Chung Hsing University (Taichung, Taiwan)
Laboratory of Chang-Hsien Yang, PhD
Project: “Investigation of mechanism of male sterility regulated by DAF, a RING-finger E3 ligase gene”
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EDUCATION

- 2006 – 2017 Doctor of Philosophy in Radiobiology
Institute of Cell Biology & Genetic Engineering (Kyiv, Ukraine)
Advisor: Namik Rashydov, PhD
Topic: “Adjustment of seed proteome in the Chernobyl exclusion zone”
Head of the Young Scientists’ Council (2011-2012)
- 2007 – 2009 Graduate Student Fellowship of NSP of Slovak Republic awarded by SAIA
Institute of Plant Genetics & Biotechnology, Plant Science & Biodiversity Center (Nitra, Slovakia)
Advisor: Martin Hajduch, PhD
Topic: “Application of gel-based proteomics for revealing system-wide changes in stressed plants”
- 1999 – 2004 Master of Science in Plant Physiology
Ivan Franko National University of Lviv (Lviv, Ukraine)
Advisor: Nataliya Romanyuk, PhD
Topic: “Accumulation of cadmium, its phytotoxicity and possibilities of contaminated soils phytoremediation by willow”
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KEY SKILLS

- Professional techniques: protein and nucleic acids isolation/purification, various electrophoresis protocols (isoelectric focusing, conventional polyacrylamide/agarose separation), software-assisted gel analysis, targeted sequence amplification, different liquid chromatography applications (particularly ultrahigh-performance reverse phase), tandem mass spectrometry, bioinformatic tools for protein identification, quantification and functional characterization, animal cell culture
- Computer literacy: standard office programs, basic hardware maintenance, statistical analysis of data, specialized software (ProteinLynx, ProteinScape, Mascot Server, Progenesis QI, PeptideShaker, Scaffold, UNIFI, ProteinCenter, MapMan), web-based gene and protein database resources
- Language competences: Ukrainian—native, Russian—fluent, English and Slovak—advanced

ACHIEVEMENTS & MEMBERSHIPS

- 2011-2012 young scientists research grant "Remote monitoring and molecular-genetic assessment of plant adaptation in the conditions of Chernobyl alienation zone" 4250 € (National Academy of Sciences of Ukraine)
- 2010 award for the international cooperation in science and technology (Slovak Academy of Sciences)
- 2010 young scientists prize for the best publication (National Academy of Sciences of Ukraine)
- 2010 travel grant to attend X Young Scientist Forum and XXXV Congress FEBS (Federation of European Biochemical Societies)
- 2009 travel grant to attend FEBS Workshop Adaptation Potential in Plants (Federation of European Biochemical Societies)
- 2008 travel grant to attend XVI Congress FESPB (Federation of European Societies of Plant Biology)

Member of Ukrainian Biochemical Society
Member of Czech Society for Mass Spectrometry
Member of Toastmasters International

TEACHING/MENTORING EXPERIENCE

- 2018 Olha Lakhneko – PhD Student from National Technical University of Ukraine
- 2017-2018 Dominika Bartolenova – Master Student from Slovak University of Technology in Bratislava
- 2016-2018 Mira Ondrisova – Master Student from Slovak University of Technology in Bratislava
- 2017 Milica Matjevic – Research Assistant from University of Belgrade
- 2017 Mariia Chernysh – Master Student from Belurussian State University
- 2016 Nikola Lehocka – Bachelor Student from Slovak University of Technology in Bratislava
- 2015 Olena Pareniuk, PhD – Postdoctoral Fellow from Fukushima University
- 2014 Hana Vlckova, PhD – Postdoctoral Fellow from Charles University
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OTHER FORMAL TRAINING

- 2015 writing in science, Stanford University (online)
- 2014 mass spectrometry school, Marci Spectroscopic Society (Frymburk, Czech Republic)
- 2014 advanced mass spectrometry training, Bruker (Bremen, Germany)
- 2010 summer school Plant Epigenetics; expenses covered by ESF
Leibniz Institute of Plant Genetics & Crop Plant Research (Gatersleben, Germany)
- 2009 summer school Plant Bioinformatics Systems and Synthetic Biology; expenses covered by ESF
University of Nottingham (Nottingham, United Kingdom)
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REFEREES

Available on request

PUBLICATIONS (H-INDEX 7)

- 15 peer review journal articles
1 book chapter
9 conference proceedings
80 conference abstracts