

DUBRAVKA HRANILOVIĆ, CURRICULUM VITAE

Education

2000. D.Sc. (molecular biology), Faculty of Science, University of Zagreb, Croatia
1996. M.Sc. (molecular biology), Faculty of Science, University of Zagreb, Croatia
1993. B.Sc. (biology), Faculty of Science, University of Zagreb, Zagreb, Croatia

Positions

University of Zagreb Faculty of Science, Department of Biology:

- 2022- Full Professor Tenure
2016-2022 Full Professor
2010-2016 Associate Professor
2006-2010 Assistant Professor

Ruđer Bošković Institute, Zagreb, Department of Molecular Biology:

- 2000-2006 Research Associate
1994-2000 Research Assistant, Ruđer Bošković Institute, Zagreb

Research Activity

TRAINING

Post-doctoral Fellowship

- 2000-2001 Center for Neurobiology and Behavior, University of Pennsylvania School of Medicine, Philadelphia PA, USA (prof. Bucan's research group)

Short-term research visits

- 1998, 1999, 2002, 2003 Department of Psychiatry, University of Bonn, Bonn, Germany
1994, 1995 Department of Psychiatry, University of Wuerzburg, Wuerzburg, Germany

RESEARCH PROJECTS

PI of the Projects funded by the Croatian Ministry of Science (MZOS)

- 2007-2013 „Neurobiological basis of autism: the role of serotonin system“
1997-1999 „Serotonin transporter: studies of gene structure and expression on a rat model“ support project for young researchers

Co-worker on competitive projects

- 2020 - “Brain extracellular matrix in development and perinatal hypoxia” (PI N. Jovanov Milosevic, CIBR), CSF project
2018 - “Influence of maternal metabolic state on placental and neonatal serotonin system: from DNA methylation to protein function” (PI J. Štefulj, RBI), CSF project
2017-2022 “Experimental and clinical research of hypoxic-ischemic brain damage in perinatal period and adult age” (PI M. Judas, CIBR) project of the Centre of Research Excellence for Basic Clinical and Translational Neuroscience,
2007-2008 „Neuroimaging, neurogenomics and pharmacogenomics of the frontal lobe connectivity: normal development and abnormalities in developmental cognitive disorders“ (PIs I. Kostovic, P. Rakic), UKF project

Co-worker on bilateral projects funded by DAAD/MZOS

- 2013-2014 „Epigenetics of serotonin signalling: DNA methylation analyses of serotonin transporter, monoamine oxidase B and serotonin receptor 2A“ (PIs J. Štefulj, P. Zill)
2002-2004 „Studies on Serotonin Transporter Gene Structure and Expression in Schizophrenia“ (PIs D. Wildenauer, B. Jernej),

Co-worker on Projects funded by the Croatian Ministry of Science (PI B. Jernej)

- 2002-2006 Molecular Patophysiology of Serotonergic Transmission
1996-2001 Neurochemistry of Synaptic Transmission
1994-1995 Patophysiology of Serotonin in Mammalian Organism

PUBLICATIONS

- Co-author of 44 research papers, one chapter in scientific book, and 90 conference abstracts
- Number of citations: 935 (*Web of Science*), 1022 (*Scopus*); h-index 17

Teaching activity

(CO)HEADING COURSES AT THE UNIVERSITY OF ZAGREB (2007.- today)

Undergraduate studies

- Animal Physiology (Biology, Faculty of Science)
- Laboratory Animals in Biological Research (Biology, Faculty of Science)

Graduate studies

- Basics of Animal Physiology (Environmental Sciences, Faculty of Science)
- Neurophysiology and Endocrinology (Experimental Biology, Faculty of Science)
- Neurophysiology (Molecular Biology, Faculty of Science)

Doctoral studies

- Molecular Basis of Behavioral Disorders (Biology, Faculty of Science)
- Gene polymorphisms (Neuroscience, Medical Faculty)
- Basics of Neuroscience (Language and Cognition; University of Zagreb)

SUPERVISIONS (2005.- today)

- 29 bachelor thesis, 22 master thesis, 3 doctoral thesis

University of Zagreb Faculty of Science

UNIVERSITY TEXTBOOKS

- Editor and author of 6 chapters in the University manual:

Ambriović Ristov A, Brozović A, Bruvo Mađarić B, Četković H, Herak Bosnar M, Hranilović D, Katušić Hećimović S, Meštrović Radan N, Mihaljević S, Slade N, Vujaklija D. Methods in Molecular Biology. Ruđer Bošković Institute: Zagreb, 2007.

- Co-author of the University textbook:

Bujas Petković, et al. Autism Spectrum Disorders. Školska knjiga, Zagreb, 2010.

- Co-author of the University manual (Croatian translation of the textbook):

Graeme D. Ruxton, Nick Colegrave. Experimental Design for the Life Sciences, first Croatian edition, N. Jovanov-Milošević (ur.); Medicinska Naklada, Zagreb, 2016.

Professional activity

EDITORSHIP IN SCIENTIFIC JOURNALS

2021 Guest editor of the special issue of the *Frontiers in Neuroscience* (ISSN:1662-453X)

2012-2017 Editorial board member of the *Psychiatry Journal* (ISSN: 2314-4327)

PROJECT REVIEWER

- Evaluator of periodic and final reports of the CSF project (2015.-2018.)
- Ethic evaluator of project proposals funded by MZO, NewFelPro, (2013/14-2017/18)

ORGANIZATION OF SCIENTIFIC MEETINGS

- Member of Scientific boards of five national conferences
- Member of the Organizational boards of seven national conferences

SOCIETY MEMBERSHIPS

- since 2007: Croatian Society of Biochemistry and Molecular Biology (FEBS member)
- since 2002: Croatian Society for Neuroscience (FENS member)
- since 1994: Croatian Biological Society

PARTICIPATION IN ORGANIZING AND TEACHING PROFESSIONAL COURSES

2012- Training course for persons working with experimental animals and animals for the production of biological products "LabAnim", lifelong learning program, Faculty of Science

2003-2006 Methodological courses in biology and medicine, Rudjer Boskovic Institute

POPULARIZATION ACTIVITIES

Participation in organizing and performing programs in the scope of:

- Night of Biology
- Day and Night on the Faculty of Science
- European Research Night

Institutional activity

DEPARTMENT OF BIOLOGY

- Head of Division of Animal Physiology (2021/22-)
- Head of Doctoral Programme in Biology, Faculty of Science, (2010/11-2013/14)
- Member of Bioethical committee (2008/09-2011/12)

FACULTY OF SCIENCE

- Vice dean for Teaching in two mandates (2016/17-2019/20)
- Vice dean for Research and Doctoral Studies (2014/15-2015/16)
- Faculty board member (2010/12-2013/14; 2021/22-)
- Ethical board member (2009/10-2012/13)

UNIVERSITY OF ZAGREB

Science Field Council

- Council president and Senate member (2019/20-2020/21)
- Council vice president (2013/14-2014/15 and 2018/19-2019/20)

Committees

- Committee for evaluation of extracurricular activities (2018/19-)
- Committee for mobility programmes (2015/16-2017/18)

Working groups

- Working group for study programmes (2020/21-)
- Working group for Scientific Strategy of the University of Zagreb (2012/13-2013/14)