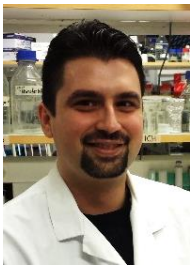
CURRICULUM VITAE - Marin Jukić



Personal and contact information:

Date of birth: 18. Jan. 1986.
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Education and Employment:

2004 - 2010 MSc in Neuropharmacology. Faculty of Pharmacy, University of Belgrade, Serbia; Top 5% in 2004/2005 batch. Supervisor: Miroslav Savić

2010 - 2014 PhD in Neuroscience. Department of Physiology, Ben Gurion University of the Negev, Israel. Supervisor: Claude Brodski

2014 - 2017 Postdoc. Department of Physiology and Pharmacology, Karolinska Institute, Sweden. Supervisor: Magnus Ingelman-Sundberg

2017 - Present Assistant professor. Department of Physiology, Faculty of Pharmacy, University of Belgrade, Serbia and associated scientist at:
Department of Physiology and Pharmacology, Karolinska institute, Sweden (http://ki.se/en/people/marjuk) and Medical University of Vienna, Austria (http://www.meduniwien.ac.at/neuroimaging/people.html)

Scientific peer-reviewed publications:

Jukić MM, Opel N, Strom J, Carrillo-Roa T, Miksys S, Novalen M, Renblom A, Sim SC, Peñas-Lledó EM, Courtet P, LLerena A, Baune BT, de Quervain DJ, Papassotiropoulos A, Tyndale RF, Binder EB, Dannlowski U, Ingelman-Sundberg M. Elevated CYP2C19 expression is associated with depressive symptoms and hippocampal homeostasis impairment. *Molecular Psychiatry.* mp.2016.204. *[Epub ahead of print]*

Pešić V, Petrović J, **Jukić MM**. Molecular mechanism and clinical relevance of ketamine as rapid-acting antidepressant. *Drug Development Research.* 2016 (7):414-422.

Sherf O, Nashelsky Zolotov L, Liser K, Tilleman H, Jovanovic VM, Zega K, **Jukić MM**, Brodski C. *Otx2* Requires *Lmx1b* to Control the Development of Mesodiencephalic Dopaminergic Neurons. *PLoS One*. 2015 (10): e0139697

Jukić MM, Carrillo-Roa T, Bar M, Becker G, Jovanovic VM, Zega K, Binder EB, Brodski C. Abnormal development of monoaminergic neurons is implicated in mood fluctuations and bipolar disorder. *Neuropsychopharmacology.* 2015 (40): 839-48

Ingelman-Sundberg M, Persson A, **Jukić MM**. Polymorphic expression of CYP2C19 and CYP2D6 in the developing and adult human brain causing variability in cognition, risk for depression and suicide: the search for the endogenous substrates. *Pharmacogenomics*. 2014 (15):1841-4

Masana M, **Jukić MM**, Kretzschmar A, Wagner KV, Westerholz S, Schmidt MV, Rein T, Brodski C, Müller MB. Deciphering the spatio-temporal expression and stress regulation of Fam107B, the paralog of the resilience-promoting protein DRR1 in the mouse brain. *Neuroscience*. 2015 (290): 147-158.

Competitive grants and scholarships:

2017 - 2019 Swedish Brain Foundation grant (2 years) – together with Magnus Ingelman-Sundberg (112 grants awarded to neuroscience research projects in Sweden); active until June 2019

2017 Ahlen Foundation grant (1 year) – together with Magnus Ingelman-Sundberg active until March 2018

2015 - 2017 Swedish Brain Foundation grant (2 years) – together with Magnus Ingelman-Sundberg (88 grants awarded to neuroscience research projects in Sweden); active until June 2017

2012 Israeli Ministry of Exterior Scholarship for top foreign graduate students in Israel (included three rounds of selection, 10 awarded out of unknown number of participants)

2010 - 2014 Serbian Ministry of Youth and Sports Scholarship for the best Serbian students abroad (4 years-About 500 scholarships awarded each year)

2009 Serbian Ministry of Youth and Sports Scholarship for 1000 best students in Serbia enrolled 2004/2005 (more than 30,000 enrolled)

2009 Awarded as a top finishing year pharmacy student in Serbia by Pharmacy Society in Belgrade -"Apoteka Beograd" award (10 awarded out of more than 600 applicable, ranked first)

2006 - 2008 Serbian Academy of Science Scholarship (3 years - 20 scholarships are awarded for the top students in Serbia each year)

2006 Belgrade Parliament Scholarship for the best students from Belgrade (100 awarded out of more than 10,000 applicable)

2005 Belgrade University Scholarship (All students with average mark over 85% are awarded)

Conference invited symposium talks and presentations:

2017 Role of CYP2C19 in major depressive disorder: translational study - World Congress of Biological Psychiatry, Copenhagen, Denmark

2016 Involvement of CYP2C19 in stress responsiveness, anxiety and depression - European College for Neuropsychopharmacology (ECNP) Congress, Vienna, Austria
(webcast - http://www.ecnp.eu/presentations/cg14/S.12.07/default.aspx)

2015 Involvement of CYP2C19 in stress-induced despair – Federation of European Neuroscience Societies (FENS) featured regional meeting, Thessaloniki, Greece

2014 Aberrant development of monoaminergic neurons is implicated in mood fluctuations and bipolar disorder - ECNP Congress, Berlin, Germany (webcast - http://www.ecnp.eu/presentations/cg16/S.05.04/default.aspx)

2013 – 2016 Presented posters at: ECNP meetings (5), FENS meetings (2), CINP (College of international neuropsychopharmacology) meeting (1), ISAD (International society for affective disorder) meeting (1).

Travel grants and awards:

2017 International brain research organization (IBRO) InEUROPE short stay grant – to Medical university of Vienna (5 were awarded for the top young neuroscientists in Europe)

2016 29th ECNP Congress, Vienna, Austria: Poster award (10 selected out of 1000)

2016 ECNP/Brain Prize Master Class, Copenhagen, Denmark (20 European junior scientists were selected)

2015 FENS featured regional meeting, Thessaloniki, Greece: Travel award (56 awarded)

2014 27th ECNP Congress, Berlin, Germany: Poster award (10 selected out of 1000)

2014 ECNP Workshop, Nice, France (100 European junior scientists were selected)

2013 26th ECNP Congress, Barcelona, Spain: Poster (10 selected out of 700) and travel award (40 awarded)

Teaching experience:

June 2011. - September 2014. Ben Gurion University of the Negev - Teaching Assistant.
Courses: Histology labs for basic histology course and organ system courses

April 2015. - Present Karolinska Institute - Teaching Assistant and Lecturer – Pharmacology courses for medical school and biomedicine program.

March 2017 – Present Faculty of Pharmacy, University of Belgrade – Physiology course
Supervised nine bachelor thesis research project students and one master student

Research-related organization memberships:

FENS - (member since 2011)
ISAD - International Society for Affective Disorders (member since 2012)
ECNP - (member since 2013, junior member advisory panel member 2015, workshop committee member 2016, junior member advisory panel chair 2017, scientific committee elect form 2018)
CINP – (member since 2016)
Editorial Board Member and Associate Editor at Drug Metabolism Reviews (IF: 4.056)

Technical expertise:

Behavioral neuroscience: Broad spectrum of behavioral for measuring anxiety, memory, and social behavior; Established and managed Noldus EthoVision system (software based video tracking of animals) for all neuroscience labs at BGU. Established DSI DataQuest system (software based activity, temperature and biopotential telemetry tracking of animals) system for the Neuroscience Center at BGU; Established a system for longitudinal animal home cage activity monitoring at BGU by using motion detection sensors and programed Visual Basic script to run it; Pharmacological treatment; Colony maintenance; Survival surgery; Acute and chronic animal pharmacotherapy.

Molecular biology and biochemistry: real time PCR, Western blot, Dissections of mouse brain regions and embryonic brains, Cryostat and microtome, microdissection on microtome; Isolation of RNA/proteins from and handling with large batches of biological samples, working with small quantities of biological samples, Histological staining techniques – Immunohistochemistry and RNA in situ hybridization, confocal microscopy, MatLab microscope image analysis and 3D reconstruction (Imaris software)

Bioinformatics and programing: Big data mining processing, Intensive course on linkage analysis and genetic polymorphism at BGU, INRICH pathway analysis and DAPPLE protein interaction analysis for GWAS studies, Processing of large quantities of data; RNA seq annotation and analysis; MicroArray transcriptome analysis; Basic computer skills (MS Office, Adobe Photoshop, Dreamweaver and Illustrator, UNIX, LaTeX); Statistical analysis orientated software (SPSS, Prism, Statistica, R); Behavioral research orientated software (Noldus EthoVision, AnyMaze, TopScan, DSI DataQuest); Bioinformatical software (INRICH, GSEA, HaploView, DAPPLE); Database related software (R, KNIME); Code programing (C++, Delphi, Basic, MatLab); Understanding of hardware, wiring, and electronics.