MÓNIKA KRECSMARIK, PhD

Neuroscientist / Translator and interpreter

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EDUCATION

2005-2007	**Medical translator and interpreter in English.** University of Szeged, Hungary.
2003-2006	**PhD in neurobiology and molecular biology.** University of Szeged, Hungary. *Summa cum laude*
2001-2003	**MSc, neurobiology and molecular biology.** University of Szeged, Hungary.

EXPERIENCE

2022-2023	**Researcher,** Dept. of Genetics, Developmental Biology Research Group, University of Szeged, Hungary
2018-2022	**Freelance English-Hungarian medical translator**
2016-2018	**Researcher,** Molecular Hematology Unit, Weatherall Institute of Molecular Medicine, University of Oxford, UK
2010-2013	**Postdoctoral scientist**, Zebrafish Neurogenetics, Paris-Saclay Institute for Neuroscience (Neuro-PSI), CNRS-Université Paris Sud, Gif-sur-Yvette, France
2006-2008	**Research fellow,** Department of Anatomy, Faculty of Medicine, University of Szeged, Hungary
2003-2006	**PhD research,** Dept. of Physiology, Anatomy and Neuroscience,University of Szeged, Hungary
2005-2006	**Visiting fellow,** Laboratory of Cell Biology and Histology/Core Facility of Biomedical Microscopic Imaging, University of Antwerp, Belgium

AWARDS

- Selected participant for the fully founded Cellular Imaging Techniques Workshop supported by the British Council in Izmir, Turkey (2017)

- Vice Chancellor's Returning Carers Fund, University of Oxford. £4K (2016)
- Route28 Summits in Neurobiology. Selected participant (2012)
- Bilateral Cooperation Programme and BOF BWS (EU) Fellowship to Antwerp,
  Belgium (2005-2006)
- American Gastroenterological Association Travel Award (2006)
- PhD fellowship of the Hungarian government (2003-2006)
- Governmental scholarship for masters studies (2002/2003)

CONFERENCES

- Workshop on Autophagy in model organisms. Budapest. Invited speaker (2018)
- 10th European Zebrafish Meeting. Budapest, Hungary. Poster (2017)
- Keystone Hematopoiesis Meeting. Banff, Alberta, Canada. Poster (2017)
- Route28 Summits in Neurobiology. Frauenchiemsee, Germany. Poster (2012)
- NeuroXsys Annual Meeting. London, UK. Talk (2012)
- Cambridge Neural Stem Cell Symposium. Cambridge, UK. Poster (2011)
- NeuroXsys Annual Meeting. Edinburgh, UK. Talk (2011)
- NeuroXsys Annual Meeting, Gif-sur-Yvette, France. Talk (2010)

ADDITIONAL RELEVANT EXPERIENCE

2017	**Programming: Concepts for Beginners** course at the University of Oxford
2017	Founding member of the **Zebrafish Genetics Society,** Hungarian Genetics Society (MAGE)
2016	**Pil B course in zebrafish animal model** University of Oxford
2014-present	**Editor, Phenotype,** Science Journal of Oxford University Biochemical Society

LIST OF PUBLICATIONS

Alzyoud, E, Németh D, Vedelek, V, Szögi T, Krecsmarik M, Lipinszki, Z, Sinka, R.
Gamma-TuRC proteins contribute to the dynamic organization of MTOCs during Drosophila spermatogenesis.
sent for publication

Dray N, Mancini L, Binshtok U, Cheysson F, Supatto W, Mahou P, Bedu S, Ortica S, Than-Trong E, Krecsmarik M, Herbert S, Masson JB, Tinevez JY, Lang G, Beaurepaire E, Sprinzak D, Bally-Cuif L.
Dynamic spatiotemporal coordination of neural stem cell fate decisions occurs through local feedback in the adult vertebrate brain.
Cell Stem Cell. 2021 Aug 5;28(8):1457-1472. IF:24.9

Dobrzycki T, Mahony CB, Krecsmarik M, Koyunlar C, Rispoli R, Peulen-Zink J, Gussinklo K, Fedlaoui B, de Pater E, Patient R, Monteiro R.
Deletion of a conserved Gata2 enhancer impairs haemogenic endothelium programming and adult Zebrafish haematopoiesis.
Commun Biol. 2020 Feb 13;3(1):71. IF:6.5

Bonkhofer F, Rispoli R, Pinheiro P, Krecsmarik M, Schneider-Swales J, Tsang IHC, de Bruijn M, Monteiro R, Peterkin T, Patient R.
Blood stem cell-forming haemogenic endothelium in zebrafish derives from arterial endothelium.
Nat Commun. 2019 Aug 8;10(1):3577. IF:17.6

Dobrzycki T*, Krecsmarik M*, Bonkhofer F, Patient R, Monteiro R.
An optimised pipeline for parallel image-based quantification of gene expression and genotyping after in situ hybridisation.
Biol Open. 2018 Apr 9;7(4). IF:2
*contributed equally

Dray N, Bedu S, Vuillemin N, Alunni A, Coolen M, Krecsmarik M, Supatto W, Beaurepaire E, Bally-Cuif L.
Large-scale live imaging of adult neural stem cells in their endogenous niche.
Development. 2015 142(20):3592-600. IF:5.8

Ishibashi M, Manning E, Shoubridge C, Krecsmarik M, Hawkins TA, Giacomotto J, Zhao T, Mueller T, Bader PI, Cheung SW, Stankiewicz P, Hackett A, Reddy CC, Mechaly AS, Peers B, Wilson SW, Lenhard B, Bally-Cuif L, Gecz J, Becker TS, Rinkwitz S.
Copy number variants in patients with intellectual disability affect the regulation of ARX transcription factor gene.
Hum Genet. 2015 134(11-12):1163-82. IF:5.1

Naville M, Ishibashi M, Ferg M, Bengani H, Rinkwitz S, Krecsmarik M, Hawkins TA, Wilson SW, Manning E, Reddy CC, Wilson DI, Louis A, Raymond FL, Rastegar S, Strähle U, Lenhard B, Bally-Cuif L, van Heyningen V, FitzPatrick DR, Becker TS, Roest Crollius H. Long-range evolutionary constraints reveal cis-regulatory interactions on the human X chromosome.
Nat Commun. 2015 6:6904 IF:17.6

Alunni A*, Krecsmarik M*, Bosco A, Galant S, Pan L, Moens CB, Bally-Cuif L.

Notch3 signaling gates cell cycle entry and limits neural stem cell amplification in the adult pallium.
Development. 2013 140(16):3335-47 IF:5.8

* contributed equally

Bagyánszki M, Torfs P, Krecsmarik M, Fekete E, Adriaensen D, Van Nassauw L, Timmermans JP, Kroese AB. Chronic alcohol consumption induces an overproduction of NO by nNOS- and iNOS-expressing myenteric neurons in the murine small intestine. *Neurogastroenterol Motil.* 2011 6:237-48. IF:3.6

Rothenaigner I*, Krecsmarik M*, Hayes JA, Bahn B, Lepier A, Fortin G, Götz M, Jagasia R, Bally-Cuif L. Clonal analysis by distinct viral vectors identifies bona fide neural stem cells in the adult zebrafish telencephalon and characterizes their division properties and fate.
Development. 2011 138:1459-69. IF:5.8

* contributed equally

Bagyánszki M, Krecsmarik M, De Winter BY, De Man JG, Fekete E, Pelckmans PA, Adriaensen D, Kroese AB, Van Nassauw L, Timmermans JP.
Chronic alcohol consumption affects gastrointestinal motility and reduces the proportion of neuronal NOS-immunoreactive myenteric neurons in the murine jejunum.
Anat Rec (Hoboken). 2010 Sep;293(9):1536-42. IF:2.2

Krecsmarik M, Izbéki F, Bagyánszki M, Linke N, Bódi N, Kaszaki J, Katarova Z, Szabó A, Fekete E, Wittmann T.
Chronic ethanol exposure impairs neuronal nitric oxide synthase in the rat intestine.
Alcohol Clin Exp Res. 2006 Jun;30(6):967-73. IF:3.4

Krecsmarik M, Katarova Z, Bagyánszki M, Szabó G, Fekete E.
Gastrointestinal phenotype of GAD67lacZ transgenic mice with early postnatal lethality.
Histol Histopathol. 2005 Jan;20(1):75-82. IF:2.0