

## Curriculum Vitae

# EVA LASIČ

PhD, ELS

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📍 Vojkova 47, 1000 Ljubljana, Slovenia

📅 Date of birth: 9.9.1988

📍 Place of birth: New York, USA

## Education

Oct 2014—Apr 2018 **PhD** (post-graduate study CELL SCIENCES within the Interdisciplinary doctoral study program BIOSCIENCES)  
**University of Ljubljana**, Biotechnical Faculty, Jamnikarjeva 101, Ljubljana, Slovenia

Doctoral Thesis: *“Regulation of Elementary Exocytotic and Endocytotic Events in Cultured Astrocytes”*

Supervisors: prof. dr. Robert Zorec, dr. Matjaž Stenovec

Oct 2006—Apr 2013 **MSc** (under-graduate study BIOLOGY)

**University of Ljubljana**, Department of Biology, Biotechnical Faculty, Večna pot 111, Ljubljana, Slovenia

Master’s Thesis: *“Molecular and Functional Differentiation of the Urothelium Established on the Amniotic Membrane with Tissue Engineering”*

Supervisor: prof. dr. Mateja Erdani Kreft

2002—2006 International Baccalaureate Diploma Programme *Golden graduate*

**Gymnasium Bežigrad**, Peričeva 4, Ljubljana, Slovenia

## Work Experience

2012— Academic editor

Substantive editing and proofreading of scientific texts (e.g., journal articles, grant proposals, etc.)

2022— Board-certified editor with the **Board of Editors in the Life Sciences (BELS)**, Minnesota, USA

2019— **ACALECT**, Academic editing and consulting, *Eva Veronica Lasic s.p.*

@ **BioEdit Ltd**, Manchester, UK

@ **Scribendi Inc**, Chatham, Ontario, Canada

@ **Enago, Crimson Interactive Inc**, Delaware, USA

@ **Edanz**, Fukuoka, Japan

@ **Editage, CACTUS Communications Services Pte Ltd**, Singapore

→ **Clients in Slovenia:**

➤ National Institute of Biology

➤ National Institute of Chemistry

➤ Jožef Stefan Institute

➤ *Acta Chimica Slovenica*

➤ National Lab. of Health, Environment & Food

➤ University of Ljubljana

• Medical faculty

- Institute of Cell Biology

- Institute of Biochemistry

- Institute of Pathophysiology

• Faculty of Pharmacy

• Biotechnical Faculty

• University Medical Centre LJ

- Division of Neurology

- Division of Obstetrics & Gynecology

Oct 2014—Apr 2018 **PhD student**

Supervisors: prof. dr. Robert Zorec, dr. Matjaž Stenovec

Research on astroglial vesicle trafficking, exo-/endocytosis. Main methods: cell cultures (primary astrocytes, microglial cell lines, CHO cells, fibroblasts), cell transfection, immunocytochemistry, super-resolution SIM microscopy, electrophysiology

**Institute of Pathophysiology**, Medical faculty, University of Ljubljana,

**Laboratory of Neuroendocrinology - Molecular Cell Physiology**, Zaloška 4, Ljubljana, Slovenia

Nov 2016—Dec 2016 **Visiting PhD student**

Supervisor: dr. Gorazd B. Stokin, MD, PhD

Establishing an electrophysiological set-up for high-resolution patch-clamp cell-attached measurements of membrane capacitance in human stem cell-derived neurons and astrocytes, and learning to produce and maintain these cells

**St. Anne’s University Hospital**, ICRC, Translational Neuroscience & Aging Program, Brno, Czech Republic

**Masaryk University**, Stem Cells & Cell Signaling research group, Brno, Czech Republic

*Jun 2014—Jul 2014* Visiting researcher

Supervisor: dr. Matjaž Stenovec

Microglia cell cultures, lipofection, Fluo-4 Ca<sup>2+</sup> and FM-4-64 membrane labelling, confocal microscopy, live cell imaging

**Institute of Pathophysiology**, LN-MCP, Medical faculty, University of Ljubljana, Zaloška 4, Ljubljana, Slovenia

*Oct 2013— Jun 2014* EVS project

Conservation and restoration biology, control of invasive species, endemic species preservation, bird ringing and census, lizard census, nature reserve management, eco-rice cultivation, environmental education

*Mar 2014—Jun 2014* **GEPEC - Els Muntanyans**, Passeig de Colom 50 (Cal Bofill), Torredembarra, España

*Oct 2013—Mar 2014* **SEO/Birdlife** - Delta de l'Ebre Nature Reserve Riet Vell, Amposta, España

*May 2013—Sep 2013* Internship

Supervisor: prof. dr. Jennifer Southgate

Human normal and cancer urothelial cell cultures, perfused bioreactor cell culture, TER monitoring, cell proliferation assays, microtome sectioning, histology, immunolabelling, RNA extraction, cDNA synthesis, RT-PCR, Q-RT-PCR, gel electrophoresis

**University of York**, Department of Biology, Jack Birch Unit, York, UK

*Apr 2012—Apr 2013* Master's student

Supervisor: prof. dr. Mateja Erdani Kreft

Porcine urothelial cell cultures, tissue engineering, histochemistry, immunofluorescence, immunohistochemistry, permeability and transepithelial resistance analyses, fluorescence microscopy with optical sections

**Institute of Cell Biology**, Medical faculty, University of Ljubljana, Lipičeva 2, Ljubljana, Slovenia

**Lek Pharmaceuticals d.d.**, Pharmaceutical & Biological Profiling, Verovškova 57, Ljubljana, Slovenia

*Oct 2011—Mar 2012* Internship

Supervisor: prof. dr. Boris Rogelj

Research on neurodegenerative diseases (ALS, FTLD). Histochemistry, immunofluorescence, immunohistochemistry, bacteria cultures, plasmid isolation, DNA electrophoresis, microscopy

**King's College London**, Institute of Psychiatry, Department of Clinical Neuroscience, London, UK

*Summer 2006* Laboratory and fieldwork assistant

Analysis of water and soil, biomonitoring

**ERICo Velenje Institute for ecological research d.o.o.**, Velenje, Slovenia

## Personal skills

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Languages: English (native speaker, C2)

Slovene (native speaker, C2)

Spanish (B2, Diploma DELE - *Diploma de Español como Lengua Extranjera*)

Scholarships / Grants: National Zoisova scholarship

Erasmus grant

Leonardo Da Vinci grant

EVS project

Slovenian Research Agency PhD funding

Computer skills: Microsoft Word, Excel, Powerpoint, Photoshop, EndNote, CorelDraw, AxioVision, NIS Elements, ImageProPlus, SigmaPlot, ZEN, ImageJ, MATLAB, Ascent Software for multiskan ascent

Other skills: Editor in the Life Sciences (certified by the *Board of Editors in the Life Sciences* (BELS))

Diving (certified by *PADI Open Water Diver* and *PSS Free Diver*)

Acroyoga teacher (certified by *Acro Yoga Montreal* and *Leteča joga*)

Driving license: B category

## PUBLICATIONS by EVA LASIČ

1. Rituper B, Guček A, Lisjak M, Gorska U, Šakanović A, Bobnar ST, **Lasič E**, Božić M, Abbineni PS, Yilmaz G, Jorgačevski J, Kreft M, Verkhatsky A, Platt FM, Anderluh G, Stenovec M, Božić B, Coorssen JR, Zorec R. **Vesicle cholesterol controls exocytotic fusion pore**. *Cell Calcium* (2021)
2. Erdani-Kreft M, Tratnjek L, **Lasič E**, Hevir-Kene N, Lanišnik Rižner T, Kristan K. **Different culture conditions affect drug transporter gene expression, ultrastructure, and permeability of primary human nasal epithelial cells**. *Pharm Res* 20;37(9):170 (2020)
3. **Lasič E**, Bobnar ST, Wilhelmsson U, De Pablo Y, Pekny M, Zorec R, Stenovec M. **Nestin affects fusion pore dynamics in mouse astrocytes**. *Acta Physiol (Oxf)* 228(3):e13399 (2020)
4. **Lasič E**, Lisjak M, Horvat A, Božić M, Šakanović A, Anderluh G, Verkhatsky A, Vardjan N, Jorgačevski J, Stenovec M, Zorec R. **Astrocyte specific remodeling of plasmalemmal cholesterol composition by ketamine indicates a new mechanism of antidepressant action**. *Sci Rep* 9, 10957 (2019)
5. Wilhelmsson U, Lebkuechner I, Leke R, Marasek P, Yang X, Antfolk D, Chen M, Mohseni P, **Lasič E**, Trkov S, Stenovec M, Zorec R, Nagy A, Sahlgren C, Pekna M, Pekny M. **Nestin regulates neurogenesis in mice through notch signaling from astrocytes to neural stem cells**. *Cereb Cortex* 12, 269-17 (2018)
6. Stenovec M, **Lasič E**, Dominkuš PP, Trkov S, Zorec R, Lenassi M, Kreft M. **Slow release of HIV-1 protein Nef from vesicle-like structures is inhibited by cytosolic calcium elevation in single human microglia**. *Mol Neurobiol* 56, 102-118 (2018)
7. Dominkuš PP, Stenovec M, Sitar S, **Lasič E**, Zorec R, Plemenitaš A, Žagar E, Kreft M, Lenassi M. **PKH26 labeling of extracellular vesicles: characterization and cellular internalization of contaminating PKH26 nanoparticles**. *BBA-Biomembr* 1860, 1350-1361 (2018)
8. **Lasič E**, Stenovec M, Kreft M, Robinson PJ, Zorec R. **Dynamins regulate the fusion pore of endo- and exocytotic vesicles as revealed by membrane capacitance measurements**. *BBA-G* 1861, 2293-2303 (2017)
9. Stenovec M, Trkov S, **Lasič E**, Terzieva S, Kreft M, Arellano JJA, Parpura V, Verkhatsky A, Zorec R. **Expression of familial Alzheimer disease presenilin 1 gene attenuates vesicle traffic and reduces peptide secretion in cultured astrocytes devoid of pathologic tissue environment**. *Glia* 64, 317-329 (2016)
10. **Lasič E**, Rituper B, Jorgačevski J, Kreft M, Stenovec M, Zorec R. **Subanesthetic doses of ketamine stabilize the fusion pore in a narrow flickering state in astrocytes**. *J Neurochem* 138, 909-917 (2016)
11. **Lasič E**, Galland F, Vardjan N, Šribar J, Križaj I, Leite MC, Zorec R, Stenovec M. **Time-dependent uptake and trafficking of vesicles capturing extracellular S100B in cultured rat astrocytes**. *J Neurochem* 139, 309-323 (2016)
12. Stenovec M, **Lasič E**, Božić M, Trkov S, Stout RF, Grubišić V, Parpura V, Zorec R. **Ketamine inhibits ATP-evoked exocytotic release of brain-derived neurotrophic factor from vesicles in cultured rat astrocytes**. *Mol Neurobiol* 53, 6882-6896 (2016)
13. **Lasič E**, Višnjarič T, Erdani-Kreft M. **Properties of the urothelium that establish the blood-urine barrier and their implications for drug delivery**. *Rev Phys Biochem Pharm* 168, 1-29 (2015).
14. Erdani-Kreft M, Jerman UD, **Lasič E**, Kene NH, Rižner TL, Peternel L, Kristan K. **The characterization of the human cell line Calu-3 under different culture conditions and its use as an optimized in vitro model to investigate bronchial epithelial function**. *Eur J Pharm Sci* 69, 1-9 (2015)
15. Erdani-Kreft M, Jerman UD, **Lasič E**, Rižner TL, Kene NH, Peternel L, Kristan K. **The characterization of the human nasal epithelial cell line RPMI 2650 under different culture conditions and their optimization for an appropriate in vitro nasal model**. *Pharm Res* 32, 665-679 (2015)
16. Bavec N, Hočevar A, Iskra I, **Lasič E**, Novak T, Papler T, Podobnik M, Raspor P, Rus E. **Alelopatski vpliv koreninskih ekstraktov koruze na kalitev in uspevanje sončnice, koruze in ovčje bilnice**. *Collectanea studentium physiologiae plantarum* 4, 19-22 (2009)
17. Demič R, **Lasič E**, Lasnik K, Papler T, Zlatkovič S. **Pomen arbuskularne mikorize in temnih septiranih endofitov za uspevanje trstikaste (*Festuca arundinaceae*) in ovčje bilnice (*Festuca ovina*)**. *Collectanea studentium physiologiae plantarum* 4, 31-34 (2009)