

PERSONAL INFORMATION

Metoda Lipnik-Stangelj

WORK EXPERIENCE

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- January 2010–Present **Full time Professor of pharmacology and toxicology, Head of the Laboratory for pharmacodynamics and pharmacokinetics**
University of Ljubljana, Faculty of Medicine (Slovenia)
Lecturer of pharmacology and toxicology, PhD student's supervisor,
Research work on the field of pharmacology and toxicology: integrative mechanisms of neurotransmitters and neuromodulators, immune system, inflammation, pain, cell death, regulatory sciences
- January 2008–December 2009 **Head of Department of pharmacology and toxicology, Founder of the Laboratory for pharmacology and toxicology (ARRS: 2334-006)**
University of Maribor, Faculty of Medicine (Slovenia)
Lecturer of pharmacology and toxicology, PhD student's supervisor,
Research group leader
- April 2000–June 2000 **Partridge Fellowship, Visiting scientist**
University of Cambridge, Fitzwilliam College (United Kingdom)
Pharmacological investigations
- December 1995–December 2008 **Researcher & Expert on regulatory sciences**
University of Ljubljana, Faculty of Medicine (Slovenia)
Research work on the field of pharmacology and toxicology, Collaboration with national agency for medicinal products
- November 1988–November 1995 **Head of the Department for pharmaco-informatics**
University Clinical Center Ljubljana (Slovenia)
Development of pharmaco-information system, pharmaco-epidemiological work

EDUCATION AND TRAINING

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- October 1995–June 1999 **Ph D degree**
University of Ljubljana, Faculty of Medicine (Slovenia)
Pharmacology and toxicology
- October 1990–April 1995 **Master of Sciences**
University of Ljubljana, Faculty of Medicine (Slovenia)
Pharmacology and toxicology
- October 1980–June 1998 **Medical Doctor**
University of Ljubljana, Faculty of Medicine (Slovenia)
All subjects and occupational skills required for the qualified medical doctor
- October 1977–June 1983 **Master of Pharmacy**
University of Ljubljana, Faculty of Pharmacy (Slovenia)

All subjects and occupational skills required for the qualified pharmacists

ADDITIONAL INFORMATION

- Expertise** Molecular and cell pharmacology and toxicology, biotechnology, integrative mechanisms of neurotransmitters and neuromodulators, immune system, inflammation, pain, cell death, regulatory sciences.
- Publications** JURIČ, Damijana Mojca, KRŽAN, Mojca, LIPNIK-ŠTANGELJ, Metoda. Histamine and astrocyte function. *Pharmacological research*, ISSN 1043-6618, 2016, vol. 111, str. 774-783, doi: 10.1016/j.phrs.2016.07.035.
- SCHÜSSLER-LENZ, Martina, BEUNEU, Clarie, MENEZES-FERREIRA, Margarida, JEKERLE, Veronika, BARTUNEK, Jozef, CHAMULEAU, Steven, CELIS, Patrick, DOEVENDANS, Pieter A., O'DONOVAN, Maura, LIPNIK-ŠTANGELJ, Metoda, et al. Cell-based therapies for cardiac repair : a meeting report on scientific observations and European regulatory. *European journal of heart failure*, ISSN 1388-9842, Feb. 2016, vol. 18, iss. 2, str. 133-141, doi: 10.1002/ejhf.422.
- FLORY, Egbert, GASPARINI, Paolo, JEKERLE, Veronika, PALOMÄKI, Tiina, CELIS, Patrick, BORÁŇ, Tomáš, MCBLANE, James W, BORG, John Joseph, KYSELOVIC, Jan, LIPNIK-ŠTANGELJ, Metoda, et al. Regulatory viewpoints on the development of advanced stem cell - based medicinal products in light of the first EU-approved stem cell product. *Cell & gene therapy*, ISSN 1548-5927, 2015, vol. 1, no. 1, str. 109-127.
- SALMIKANGAS, Paula, MENEZES-FERREIRA, Margarida, REISCHL, Ilona, TSIFTSOGLU, Asterios, KYSELOVIC, Jan, BORG, John Joseph, RUIZ, Sol, FLORY, Egbert, TROUVIN, Jean-Hugues, LIPNIK-ŠTANGELJ, Metoda, et al. Manufacturing, characterization and control of cell-based medicinal products : challenging paradigms toward commercial use. *Regenerative medicine*, ISSN 1746-0751, Jan. 2015, vol. 10, iss. 1, str. 65-78, doi: 10.2217/rme.14.65.
- LIPNIK-ŠTANGELJ, Metoda. Flow cytometry analysis of ethanol induced cell death in cultured astrocytes. *Dokladi na B'lgarskata akademija na naukite*, ISSN 1310-1331, 2013, vol. 66, no. 8, str. 1183-1190.
- FERJAN, Ilonka, LIPNIK-ŠTANGELJ, Metoda. Chronic pain treatment : the influence of tricyclic antidepressants on serotonin release and uptake in mast cells. *Mediat. inflamm.* 2013, vol. 2013, str. 1-7, doi: 10.1155/2013/340473.
- LIPNIK-ŠTANGELJ, Metoda, SURCHEVA, Slavina, FERJAN, Ilonka, VLASKOVSKA, Mila. Astrocytes and chronic pain mechanisms - the role of histamine, IL-1[β] and NGF. *Biotechnol. Equip.* 2013, vol. 27, no. 1, str. 3534-3539.
- ŠIMENC, Janez, LIPNIK-ŠTANGELJ, Metoda. Staurosporine induces apoptosis and necroptosis in cultured rat astrocytes. *Drug chem. toxicol.* 2012, vol. 35, iss. 4, str. 399-405. doi: 10.3109/01480545.2011.633087.
- ŠIMENC, Janez, LIPNIK-ŠTANGELJ, Metoda. Staurosporine induces different cell death forms in cultured rat astrocytes. *Radiol. Oncol.* 2012, vol. 35, št. 4, str. 399-405, doi: 10.2478/v10019-012-0036-9.
- ŠARC, Lucija, WRABER-HERZOG, Branka, LIPNIK-ŠTANGELJ, Metoda. Ethanol and acetaldehyde disturb TNF-alpha and IL-6 production in cultured astrocytes. *Hum Exp Toxicol*, 2011, vol. 30, št. 9, str. 1256-1265, doi: 10.1177/0960327110388533.
- ŠARC, Lucija, LIPNIK-ŠTANGELJ, Metoda. Influence of ethanol and its first metabolite acetaldehyde on the central nervous system. *Zdrav. Vestn.* 2009, letn. 78, št. 2, str. 91-96.
- ŠARC, Lucija, LIPNIK-ŠTANGELJ, Metoda. Comparison of ethanol and acetaldehyde toxicity in rat astrocytes in primary culture. *Arh. hig. rada toksikol.*, 2009, letn. 60, št. 3, str. 297-305.
- LIPNIK-ŠTANGELJ, Metoda. Hospitalizations due to poisonings in Slovenia – epidemiological aspects. *Wien. klin. Wochenschr., Suppl.*, 2010, suppl. 2, letn. 122, str. 54-58, doi: 10.1007/s00508-010-1338-9.
- LIPNIK-ŠTANGELJ, Metoda. Multiple role of histamine H1-receptor-PKC-MAPK signalling pathway in histamine stimulated nerve growth factor synthesis and secretion. *Biochem. pharmacol.* 2006, vol. 72, issue 11, str. 1375-1381.
- LIPNIK-ŠTANGELJ, Metoda, ČARMAN-KRŽAN, Marija. Histamine and IL-6 interaction in the stimulation of nerve growth factor secretion from cultured astrocytes. *Inflamm Res*, 2005, letn. 54, suppl. 1, str. 36-S37.
- LIPNIK-ŠTANGELJ, Metoda, ČARMAN-KRŽAN, Marija. Histamine-stimulated nerve growth factor

secretion from cultured astrocytes is blocked by protein kinase C inhibitors. *Inflamm Res*, 2004, vol. 53, str. 57-58.

LIPNIK-ŠTANGELJ, Metoda, ČARMAN-KRŽAN, Marija. Activation of histamine H¹-receptor enhances neurotrophic factor secretion from cultured astrocytes. *Inflamm Res*, 2004, letn. 53, str. 245-252.

Invited lectures/interviews (regulatory sciences):

LIPNIK-ŠTANGELJ, Metoda. CAT consideration for minimally manipulated ATMPs [= Advanced Therapy Medicinal Products] and the use of RBA for such products : EMA [= European Medicines Agency] - EuropaBio Information day, 15 October 2015, De Vere Venus - Canary Wharf, 1 Westferry Circus, London. 2015.

http://www.ema.europa.eu/docs/en_GB/document_library/Presentation/2015/11/WC500196331.pdf

LIPNIK-ŠTANGELJ, Metoda. Zakaj javljati neželene učinke zdravil?. V: BRVAR, Miran (ur.). Varna uporaba zdravil : zbornik prispevkov, 2. slovensko srečanje o klinični farmakologiji, Ljubljana, 24. januar 2014. Ljubljana: Slovensko zdravniško društvo, Sekcija za klinično toksikologijo, 2014, str. 116-120.

LIPNIK-ŠTANGELJ, Metoda. Dokumentacija o bezbjednosti i efikasnosti, najčešće stručne dileme i greške predlagača. V: raPHARM : tipovi zahtjeva za dobijanje dozvole za stavljanje lijeka u promet, regulatorne i stručne dileme, najčešće regulatorne i stručne greške predlagača. Ljubljana: [s. n.], 2014.

LIPNIK-ŠTANGELJ, Metoda. Lijekovi za napredne terapije = Advanced therapy medicinal products - ATMP. V: raPHARM : priprema dokumentacije, potrebna znanja, najčešće greške. Ljubljana: [s. n.], 2013, [Str. 1-5]. [COBISS.SI-ID 30584025]

LIPNIK-ŠTANGELJ, Metoda. Case reports on generic drugs assessment : European school for scientific and regulatory assessment of new medicine, 15th May 2008, University of Rome. Rome: University, 2008. [COBISS.SI-ID 25511897]

LIPNIK-ŠTANGELJ, Metoda. Zahtevnejše registracije za većjo kakovost zdravil : prvo dovoljenje EMEA za generično zdravilo. Delo, ISSN 0350-7521, 26. julija 2007, letn. 49, št. 170, str. 17.

LIPNIK-ŠTANGELJ, Metoda. Znanstveni odbor za zdravila za uporabo v humani medicini = Committee for Medicinal Products for Human Use : CHMP. V: Regulatorna zdravil in medicinskih pripomočkov v Republiki Sloveniji po vstopu v EU: Ljubljana, januar 2005. Ljubljana: [s.n.], 2005, str. [1-3]. [COBISS.SI-ID 1309907]

Projects

Head of the scientific programmes/projects:

National:

1. P3-0067: Pharmacology and pharmacogenomics, duration: 01/01/2009-31/12/2011

2. J4-603: Characterisation of Istrska belica, duration: 01/07/2004-30/06/2007

International:

1. ARRS: SI-BG/11-12-010: The role of glial and immune system in the development and maintenance of pain, duration: 01/01/2011-31/12/2012

2. ARRS: BI-SCG/05-06-011 Characterization of olive oils, duration: 01/01/2005-31/12/2006

3. coordinator of the EU project: HEALTH-2007-2.2.1-7 Neuroprotective Approaches for the Treatment of Alzheimer's Disease (evaluation 2007)

Memberships

Slovenian Pharmacological Society

Slovenian Pharmaceutical Society

Slovenian Society for Neurosciences

European Histamine Research Society

International Union of Basic and Clinical Pharmacology

Other Relevant Information

Nacional activities:

1997 – present: Member of the expert group for drug assessment, Ministry of Health, Slovenia

2008 - 2012: Member of the Commission for Pharmacopoeia, JAZMP, Ministry of Health, Slovenia

2009 – present: Member of the expert committee for drug assessment, JAZMP, Ministry of Health, Slovenia

International activities:

2000 - 2004: Member of the Pan European Regulatory Forum, EMEA;

Priority action area: Safety & Efficacy of Medicinal products

2004 – 2012: Member of the Committee for human medicinal products (CHMP), EMA (representative of R Slovenia)

2012 – present: Member of the Committee for advanced therapies (CAT), EMA (representative of R Slovenia)