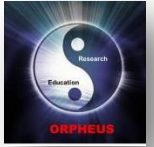




Honorary member of ORPHEUS



Zdravko Lackovic

MD, PhD, Professor of Pharmacology

Laboratory of Molecular Neuropharmacology,

Department of Pharmacology & Croatian Brain Research

Institute, University of Zagreb

President (2007-2014), President ex officio (2014-)

Personal details:

Date and place of Birth: April 29, 1947, Pitomaca, Croatia,

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[Research Gate](#)

[LinkedIn](#)

[Scopus](#)

Past or current member of editorial board of several scientific journals:

- Liječnički vjesnik,
- Croatian Medical Journal,
- Medicus and Pharmacology online

ACADEMIC QUALIFICATIONS

1971 – Medical Doctor (MD), University of Zagreb Medical School

1975 – Master of Biological Science (Mr.Sc), Postgraduate Study for Scientific Perfection in Biology, University of Zagreb.

1976 – Doctor of Medical Science (PhD); University of Zagreb Medical School

1979-1981 – Visiting Scientist (Fogarty Fellowship), Laboratory of Preclinical Pharmacology, National Institute for Mental Health, Washington DC, USA

1995-1996 – Established Visting Scientist (S.Juselius Foundation) at Department of Biology, Abo Akademi University, Turku, Finland

PROFESSIONAL EXPERIENCE

1979 – Associate Professor ("Docent") in Pharmacology, University of Zagreb Medical School

1984 – Professor in Pharmacology, University of Zagreb Medical School

1996 – Professor in Pharmacology (reelected, permanent position) University of Zagreb Medical School

DOCTORAL EDUCATION EXPERIENCE

Founder and organizer of PHD Programme of University of Zagreb Medical school "Biomedicine and Health Sciences"

Organizer (president of the Organizing and Scientific Committee): the First European Conference on Harmonization of PhD Programmes in Biomedicine and Health Sciences, Zagreb, 2004

Organizer (president of Organizing and Scientific Committee): the Second European Conference on Harmonization of PhD Programmes in Biomedicine and Health Sciences, Zagreb, 2005

Deputy Dean for PhD Programme and Director of PhD Programme "Biomedicine and Health Sciences" University of Zagreb Medical School

Mentorship: 12 MD Thesis, 8 Mr Sc Thesis (magisterium of science) and 4 PhD Thesis

COMMITTEES & BOARDS

1984-1991 – Vice Dean for Science, Medical School of Zagreb

1988-1990 – President of the Board for Scientific Cooperation with Western Countries and European Community, SIZ for Science of Croatia

1993-1995 – Expert in COST Ad hoc Working Party for Neuroscience Coordination in Europe (European Community)

2002-2005 – Member of Bioethical Committee of the Government of Croatia

2006-present – Council of the Croatian Agency for Science and Higher Education

Member of permanent Kuratorium (Board of Trustees) of Pula Neuropsychiatric Congress

ACADEMIC AWARDS & DISTINCTIONS

- Founder of Laboratory of Molecular Neuropharmacology
- 2014-present – Honorary Member of ORPHEUS

MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS

- Croatian Pharmacological Society (President 1998-2001),
- Society for Neuroscience - SFN (USA)
- Academy of Medical Sciences of Croatia - regular member

SELECTED PUBLICATIONS

- Bulat M, **Lackovic Z**, Jakupcevic M and Damjanov I. 5-Hydroxyindoleacetic acid in the lumbar fluid: a specific indicator of spinal cord injury. *Science*. 1974;185:527-8.
- Lackovic Z**, Parenti M, Neff N.H. Simultaneous determination of femtomole quantities of 5-hydroxyindoleacetic acid in brain using HPLC with electrochemical detection. *Europ J Pharmacol* 1981;69:347-52.
- Lackovic Z**, Relja M, Neff N.H. Catabolism of endogenous dopamine in peripheral tissues: is there an independent role for dopamine in peripheral neurotransmission. *J Neurochem*. 1982;38:1453-8.
- Lackovic Z**, Neff N.H. Evidence that dopamine is a neurotransmitter in peripheral tissues. *Life Sci*, 1983;32:1665-74.
- Lackovic Z**, Relja M. Evidence for widely distributed peripheral dopaminergic system. *Fed Proc*, 1983;42:3000-4.
- Lackovic Z**, Jakupcevic M, Bunarevic A, Damjanov I, Relja M, Kostovic I. Serotonin and norepinephrine in the spinal cord of man. *Brain Res*. 1988;443:199-203.
- Lackovic Z**, Salkoviæ M, Kuci Z, Relja M. Effect of long-lasting diabetes mellitus on rat and human brain monoamines. *J Neurochem*. 1990;54:143-7.
- Salkovic M, **Lackovic Z**. Brain D1 dopamine receptor in alloxan-induced diabetes. *Diabetes*. 1992;41:1119-21.
- Trkulja V, **Lackovic Z**. Involvement of muscarinic receptors in the control of female puberty in the rat. *Eur J Pharmacol*. 1996;297:93-6.
- Trkulja V, Crljen-Manestar V, Banfic H, **Lackovic Z**. Involvement of the peripheral cholinergic muscarinic system in the compensatory ovarian hypertrophy in the rat. *Exp Biol Med*. 2004;229:793-805
- Bach-Rojecky L, Relja M, **Lackovic Z**. Botulinum toxin type A in experimental neuropathic pain. *J Neural Transm*. 2005;112:215-7.
- Bach-Rojecky L, **Lackovic Z**. Central origin of antinociceptive activity of botulinum toxin type A. *Pharmacol Biochem Behav*. 2009;94(2):234-8
- Bach-Rojecky L, Salković-Petrisić M, **Lacković Z**. Botulinum toxin type A reduces pain supersensitivity in experimental diabetic neuropathy: bilateral effect after unilateral injection. *Eur J Pharmacol*. 2010;633(1-3):10-4.
- Matak I, Bach-Rojecky L, Filipović B, **Lacković Z**. Behavioral and immunohistochemical evidence for central antinociceptive activity of botulinum toxin A. *Neuroscience*. 2011;186:201-7.
- Filipović B, Matak I, Bach-Rojecky L, **Lacković Z**. Central action of peripherally applied botulinum toxin type A on pain and dural protein extravasation in rat model of trigeminal neuropathy. *PLoS One*. 2012;7(1):e29803.
- Matak I, Riederer P, **Lacković Z**. Botulinum toxin's axonal transport from periphery to the spinal cord. *Neurochem Int*. 2012;61(2):236-9.
- Drinovac V, Bach-Rojecky L, Matak I, **Lacković Z**. Involvement of μ -opioid receptors in antinociceptive action of botulinum toxin type A. *Neuropharmacology*. 2013;70:331-7
- Matak, I., Rossetto, O., **Lacković, Z**. Botulinum toxin type A selectivity for certain types of pain is associated with capsaicin-sensitive neurons. *Pain*. 2014;155:1516-26.
- Matak, I., **Lacković, Z**. Botulinum toxin A, brain and pain. *Progress in Neurobiology*. 2014;119-120: 39-59.
- Drinovac V, Bach-Rojecky L, Babić A, **Lacković Z**. Antinociceptive effect of botulinum toxin type A on experimental abdominal pain. *Eur J Pharmacol*. 2014;745:190-5.
- Lacković Z**, Filipović B, Matak I, Helyes Z. Botulinum toxin type A activity in cranial dura: implications for treatment of migraine and other headaches. *Br J Pharmacol*. 2015 Oct 22. doi: 10.1111/bph.13366.
- Matak I, **Lacković Z**. Botulinum neurotoxin type A: Actions beyond SNAP-25? *Toxicology*. 2015;335:79-84.
- Ibragić S, Matak I, Dračić A, Smajlović A, Muminović M, Proft F, Sofić E, **Lacković Z**, Riederer P. Effects of botulinum toxin type A facial injection on monoamines and their metabolites in sensory, limbic and motor brain regions in rats. *Neurosci Lett*. 2016;617:213-7