

## Curriculum Vitae.

**Name: Ľubica L a c i n o v á**

### **Educational and professional history:**

- 2018 professor of physics at Faculty of mathematics, physics and informatics  
Comenius University, Slovakia
- 2017 member of Presidium of Slovak Academy of Sciences
- 2016 assistant professor at Faculty of Natural Sciences, University of SS. Cyril and  
Methodius, Trnava
- 2013 visiting professor at Institute of Physiology, Medical School, Masaryk  
University, Brno, Czech republic
- 2011 habilitation in physics at Faculty of mathematics, physics and informatics  
Comenius University, Slovakia
- 2003-2011 multiple stays at Institute for Experimental and Clinical Pharmacology and  
Toxicology, Albert-Ludwigs University, Freiburg, Germany
- 2008 visiting professor at Institute of Pharmacology and Toxicology Universität  
Wien
- 2002-2007 multiple stays at Institute for Pharmacology and Toxicology Technical  
University of München, München, Germany
- 2004 D.Sc (research professor) in animal physiology. Thesis: Voltage dependent  
calcium channels.
- 2003-present vicedirector, Institute of Molecular Physiology and Genetics, Slovak Academy  
of Sciences
- 2003-present Leading Research Associate, Institute of Molecular Physiology and Genetics,  
Slovak Academy of Sciences
- 2002-2003 Independent Research Associate, Institute of Molecular Physiology and  
Genetics, Slovak Academy of Sciences
- 2001-present Member of Commission for Biosafety, an advisory committee of Ministry of  
Environment
- 1996 stay at University of Rochester Medical School, Rochester, NY, USA
- 1993–2001 Research fellow, Institute for Pharmacology and Toxicology Technical  
University of München, München, Germany
- 1992 Scientific Secretary of Institute of Molecular Physiology and Genetics Slovak  
Academy of Sciences
- 1990–1991 University of Pennsylvania Medical School, Philadelphia, PA, USA  
Postdoctoral student, physiology
- 1989 CSc (equivalent of PhD) in biophysics, Center of Physiological Sciences

	Slovak Academy of Sciences
1983–1989	Center of Physiological Sciences Slovak Academy of Sciences graduated student in biophysics
1985–1988	Institute of Art Photography, Praha, art photography
1983	RNDr in nuclear physics
1978–1983	School of Mathematics and Physics, Comenius University, Bratislava, Slovakia, student of nuclear physics and biophysics
1974–1978	Juraj Hronec Gymnasium in Bratislava

## **Teaching experience**

### **Graduated students (PhD thesis)**

RNDr. Martina Kurejová (since September 2002, graduated 26. 4. 2006)  
 Mgr. Bohumila Tarabová (since September 2003, graduated 14. 12. 2007)  
 RNDr. Mária Drígel'ová (since September 2006; graduated 8. 12. 2010)  
 MVDr. Anton Caro (since September 2007; graduated 15. 3. 2012)  
 RNDr. Lucia Lichvárová (since September 2011; graduated 12. 3. 2015)  
 RNDr. Katarína Jašková (since September 2012; graduated 19. 8. 2015)  
 RNDr. Lucia Lapínová (since September 2014; graduated 23. 8. 2018)  
 Veronika Chvátalová (since September 2014; graduated 2020)  
 Ing. Alžbeta Idunková (since September 2021)

### **Graduated students**

Mgr. Juraj Fuska PharmDr thesis (2012-2013)  
 Mgr. Lucia Lapínová RNDr thesis (2015)

### **Undergraduated students (diploma thesis)**

Marek Pucher (2002-2003)  
 Melinda Drabová (2003-2005)  
 Zsolt Kohus (2007-2009)  
 Silvia Huláková (2008-2010)  
 Dominika Valachová (2009-2011)  
 Lucia Lichvárová (2009-2011)  
 Juraj Fuska (2010-2012)  
 Helena Jánošíková (2011-2013)  
 Jana Hlinková (2012-2014)  
 Lucia Lapínová (2012-2014)  
 Lucia Klongová (2016-2018)  
 Alena Kolevová (2016-2018)  
 Silvia Jamrichová (2017-2019)  
 Kristína Uhrínová (2019-2020)

### **Undergraduated students (bachelor thesis)**

- Zsolt Kohus (2006-2007)  
 Mária Malinová (2009-2010)  
 Jana Hlinková (2011-2012)  
 Alexandra Padová (2012-2013)  
 Lucia Klongová (2015-2016)
- Since 2018 Faculty of Natural Sciences, University of SS. Cyril and Methodius, Trnava, semester lecture course “Biophysics”
- Since 2017 Faculty of Natural Sciences, University of SS. Cyril and Methodius, Trnava, semester lecture course and seminar “Medical biophysics”
- Since 2010 School of Pharmacy Comenius University semester lecture course “Basic Physics”
- Since 2009 School of Pharmacy Comenius University semester lecture course and seminar “Pharmacology of voltage-activated ion channels”
- 2008 Institute of Pharmacology and Toxicology Universität Wien: course “Pharmacology of voltage-activated ion channels”
- Since 2005 Lecture for students (Slovak and English) of School of Pharmacy Comenius University “Pharmacology of voltage-activated ion channels”
- 2004 Universität Wien: „Reproductive technologies: from in-vitro-fertilisation to human cloning.” Lecture within Ringvorlesung: Brüche-Geschlecht-Gesellschaft: *Verfügbare Menschen ? Geschlecht zwischen Hochtechnologie, Bio-Politik und Wissenschafts- Ideologien.*
- 2002-present external lecturing at Faculty of Natural Sciences Comenius University in Bratislava
- 2000-present external lecturing at Department of Human Environmental Studies, School of Social Studies, Masaryk University, Brno (Czech republic)
- 1991–1994 external lecturer at Department of Biophysics School of Medicine Comenius University in Bratislava

### **Membership in scientific boards and committees**

- 2022-present member of Management board of Comenius University
- 2019-present member of the Scientific board of Faculty of Mathematics, Physics and Informatics Comenius University
- 2017-present member of the Scientific board of Slovak Academy of Sciences
- 2017-present member of the Scientific board of Faculty of Natural Sciences, University of SS. Cyril and Methodius, Trnava
- 2012-2017 member of the Scientific board of Institute of Molecular Physiology and Genetics
- 2008-2012 chair of the Scientific board of Institute of Molecular Physiology and Genetics
- 2009-2016 member of the Assembly of Slovak Academy of Sciences

2008-present member of the Learned Society of Slovak Academy of Sciences

### **Membership in scientific societies**

Slovak Physiological Society

Slovak Neuroscience Society

The Slovak Society for Biochemistry and Molecular Biology

Slovak Biophysical Society

### **Awards and organisation of scientific congresses**

2020	Bronze medal of Slovak Medical Association
2019	Distinguished Science Service Medal of Slovak Academy of Sciences
2013	Organizer of an international symposium „Calcium channels in health and disease“
2011	premium award for scientific literature for the book Biomembranes awarded by Slovak literary fund
2009	Honorary plaque of Slovak Academy of Sciences for achievements in biological sciences
2008	elected as a Member of the Learned Society of Slovak Academy of Sciences
2007	Member of the International Advisory Committee for the Symposium MUTAMORPHOSIS
2007	Organizer of minisymposium “Role of L-type calcium channels in cellular excitability“ at Joint Meeting of The Slovak Physiological Society, and The Physiological Society and The Federation of European Physiological Societies
2004	Chair of the program committee of 4 <sup>th</sup> International Symposium “ <i>Membrane Channels, Transporters and Receptors.</i> ”
2004	award for most cited Slovak scientist (2 <sup>nd</sup> place) awarded by Slovak literary fund
2002	Vicepresident of the Fifth Czech-French-Slovak Symposium " <i>New Frontiers in Basic Cardiovascular Research</i> "

### **Grants**

#### **Domestic**

2020-2024	Grant APVV-19-0435 „ <b>Fetal risk of novel antidepressants</b> “ principal investigator
2022-2025	Grant VEGA 2/0081/22 „ <b>Modulation of neuronal excitability by homocysteine</b> “ principal investigator
2019-2021	Grant VEGA 2/0143/19 „ <b>Voltage dependent calcium channels in nociception.</b> “ principal investigator
2018-2020	Grant KEGA 005UCM-4/2018 „ <b>Design of curriculum for biophotonics</b> “ co-investigator
2016-2020	Grant APVV-15-0388 „ <b>Prenatal and postnatal effects of <math>\delta</math> and <math>\mu</math> opioid receptor ligands on the hippocampal development and function</b> “ principal investigator

- 2016-2018 Grant VEGA 2/0107/16 „**Novel pathways of N-type (Cav2.2) calcium channels regulation.**“ principal investigator
- 2013-2015 Grant VEGA 2/0044/13 „**Principle of gating of voltage-dependent calcium channels**“ principal investigator
- 2011-2014 Grant APVV-0212-10 „**Calcium channels in neuronal excitability**” principal investigator
- 2010-2012 Grant VEGA 2/0195/10 „**Regulation of the gating of the T-type calcium channel.**“ principal investigator
- 2009-2011 Grant KEGA 3/7389/09 „**Biophysical principles of voltage dependent ion channels regulation in health and disease**“, co-investigator
- 2008-2011 VVCE „**Biomembranes: Structure and dynamics of biological membranes related to cell functions**“ co-investigator
- 2007-2009 Grant VEGA 2/7001/27 „**Structure, function and regulation of neuronal calcium channels.**“ principal investigator
- 2006-2008 Grant ESF „**BIOMEMBRANES: horizontal program for education of graduated students and young scientists**” co-investigator
- 2005-2007 Grant APVT-51-027404 „**Signaling and transport function of biological membranes under normal and pathological conditions**“, co-investigator
- 2003-2005 Grant SP 51/0280900/0280901 „**Heart adaptation to pathological conditions**“, co-investigator
- 2003-2005 Grant ŠPVV SP51/0280800/0280802 „**Genomics of cardiovascular diseases for healthier population**”, co-investigator
- 2004-2006 Grant VEGA 2/4009/24 „**Voltage dependent calcium channels in neuronal excitability.**“ principal investigator
- 2003-2005 Grant APVT-51-013802 „**Transport and signalling mechanisms of biological membranes at normal and pathological conditions**“, co-investigator
- 2002-2003 Grant VEGA 2/2004/22 „**Characterisation of the gating of neuronal T-type calcium channel**“ principal investigator

### **International**

- 2006-2010 Marie Curie Research Training Network CavNET MRTN-CT-2006-035367, responsible for partner organisation
- 2002-2005 Grant from Volkswagenstiftung „**Role of L-type and T-type Ca<sup>2+</sup> channels in neuronal excitability.**” co-investigator

### **Other**

- 2018-2020 AVCR/SAV **Exploring the molecular determinants and functional role of T-type channel dimerization**, principal investigator for a slovak partner
- 2016-2017 DAAD/SAV **Novel interaction partners of the Cav2.2 channel**, principal investigator for a slovak partner

### **Membership of steering groups**

- 2015 – Chairperson of the SAS Assembly
- 2014-2016 member of the Board of the SAS Assembly

2013-present Editorial council SAS  
2009-present Equal opportunities committee SAS  
2008-present National expert group for GMOs, novel food and biotechnology-derived food at Ministry of Agriculture, Slovak republic  
2006-2012 Committee for the environment SAS  
2004-present Committee for Bioethic of Slovak UNESCO Committee; secretary  
2003-2004 Expert for Committee for Biosafety at Ministry of Environment, Czech republic  
2002-present Committee for Biosafety at Ministry of Environment, Slovak republic

### **Membership of editorial boards**

2017-present editorial board of BMC Neuroscience  
2016-present editorial board of Pflügers Archive - European Journal of Physiology  
2008-present editor-in-chief of the journal General Physiology and Biophysics  
2003-present editorial board of the journal General Physiology and Biophysics  
2002-2007 editorial board of the journal Mosty  
2001-present editorial board of the journal Sedma Generace (Czech republic)