

## CURRICULUM VITAE

ANDRÁS VARRÓ

professor

University of Szeged, Department of Pharmacology and Pharmacotherapy

- Date and Place of Birth:** 19<sup>th</sup>, May, 1954 Szeged
- Marital status:** wife: Dr. Adrienn Cserháti radiologist  
children: Diána (1993)  
Ádám (1997)
- Hobby:** history, sport
- Education:**
- 1972-78** Student at the Medical University of Szeged
- 1975-78** Member of the "Student Scientific Circle" in the Department of Pharmacology (tutor: Professor Julius Gy. Papp)
- 1976-78** Demonstrator (Department of Pharmacology)
- Qualification:**
- 1978** Doctor of Medicine "Summa cum laude"
- Scientific degrees:**
- 1987** Candidate of Medical Sciences (later: Ph.D.)
- 1998** Doctor of Science (D.Sc.)
- 1999** Habilitation: Title: Med. Habil., at the Albert Szent-Györgyi Medical University
- Specification:**
- 1998** Diploma of Clinical Pharmacology
- Post gradual, professional training**
- 1978-90** Drug Research Institute, Budapest  
(Dr.György Rabloczky)
- 1982-84** Krannert Institute of Cardiology Indianapolis, Indiana,  
USA  
(Prof Borys Surawicz)
- 1988-90** Department of Pharmacology and Cell Biophysics,  
University of Cincinnati, Ohio, USA  
(Profs. David Lathrop and Prof. Arnold Schwartz)
- 1991 -2001** Department of Pharmacology, Albert Szent-Györgyi Medical  
University, Szeged  
(Prof. László Szekeres (1990-91) and Prof. Gyula Papp  
(1991-2001))

**1991 -92** Department of Veterinary Preclinical Sciences, University of Liverpool, England  
(Prof. David Eisner)

Gradual teaching: Lecturing pharmacology and electrophysiology for medical students in Hungarian and English language  
14 students Scientific Circle mentorship,

**Diploma works:** 5 students supervisor

**Postgradual teaching:** 8 PhD students (László Virág (1999), Dr. Beáta Baláti (2000), Norbert Jost (2000), Ottó Hála (2003), Miklós Opincariu (Bitai) (2004), Dr. Csaba Lengyel (2004), Dr. János Takács (2004), Dr. Péter Biliczki (2005)

**Mentorship:** 4 close habilitated and 1 PhD coworker scientists (Dr. Csaba Lengyel, Dr. Norbert Jost, Dr. István Baczkó, Dr. András Tóth and Dr. László Virág is expected to submit DsC thesis within the next few years.

**PhD and DsC committe works:** Regular participants as opponent and committee member in PhD and DsC thesis defenses.

#### **University career and previous positions:**

**1978-82** Scientific coworker, Drug Research Institute, Budapest  
**1982-90** Scientific worker, Drug Research Institute, Budapest  
**1991 -93** Scientific worker, Department of Pharmacology, Albert Szent-Györgyi Medical University, Szeged  
**1993 -99** Scientific adviser, Department of Pharmacology, Albert Szent-Györgyi Medical University, Szeged  
**1999-** Full professor, Department of Pharmacology and Pharmacotherapy, University of Szeged  
**2001 1 July-** Head of the Department of Pharmacology and Pharmacotherapy Faculty of Medicine, University of Szeged  
**2007 -** Head of Division of Cardiovascular Pharmacology, Hungarian Academy of Sciences and University of Szeged  
**2010-13** Head of the Strategic and Granting Committee of the Faculty of Medicine, University of Szeged  
**2011-** Vice Rector for Science and Innovation of the University of Szeged

#### **Basic research grants:**

Hungarian National Scientific Research Foundation HUF 4 235 000 project leader

OTKA T676 1991-94 MKM 270 1995-96

HUF 3 000 000 project leader HUF 630 000 project leader

OTKA T016651 1995-98

OTKA T 16869 1995-98

HUF 2 960 000 research coworker

FEFA SZOTE 2. program (2053/2)  
1995-96 HUF 8 000 000 research  
coworker

OTKA T 020604 1996-99  
HUF 2 275 000 project leader

OMFB 96-97 48-1284  
HUF 3 600 000 project leader

FKFP - 1025/97 1998-2000  
HUF 3 000 000 project leader

OMFB 97-20 MU-0061 MU 0061  
HUF 10 500 000 project leader

ETT - T06 125/97 1997-98  
HUF 600 000 project leader

OTKA T-032558 2000-2003  
HUF 4 300 000 project leader

OMFB 97-20 MU 0061 1997-98  
HUF 10 500 000 project leader

OMFB 02421/2000 2000-2001  
HUF 9 800 000 project leader

ETT 188/2003 2003-2005  
HUF 4 500 000 project leader

OTKA T048698 2004-2006  
HUF 9 600 000 project leader

BIO-37 KPI (KMA GVOP)

### **Applied research grants**

PHARE-OMFB-TDQM 1082, 1996-97  
100.000 ECU Collaborator partner

NKFP-1A/0011/2002 2002-2005  
HUF 89 600 000 project leader

HUF 70 000 000 project leader

OTKA T61902 2006-2008  
HUF 37 500 000 project leader

GVOP 3.2.1-0089/3.0. 2005  
HUF 2 738 000 project leader

ETT 353/2006. 2006-2008  
HUF 5.400 000 project leader

OTKA CNK 77855 (2009-2011)  
HUF 129 900 000 Ft project leader

OTKA NK 104331 (2012-2016)  
HUF 87 834 000 project leader

Division of Cardiovascular Pharmacology  
Hungarian Academy of Science,  
University of Szeged, (2006-12)  
Project leader  
HUF 135 000 000

Division of Cardiovascular Pharmacology  
Hungarian Academy of Science,  
University of Szeged, (2006-12)  
2011 TKI372 project leader  
HUF 171 750 000

NKFP-1A/046/04 2005-2007  
HUF 135 000 000 project leader

NKTH Cardio08 (2008-20011)  
HUF 100 000 000 Collaborator partner

NKTH-DARFÜ Baross Gábor Program  
DEAMI\_AF (2010-2012)  
HUF 76 000 000 project leader

### **International research grants**

EUGENEHEART EU 6. Framework Program,  
018833. 2006-2010,  
EUR 197 000

NORMACOR EU 6. Framework Program, 018676. 2006-2008.  
EUR 102 400

preDICT EU 7. Framework Program, 224381. 2008-2011  
EUR 69.500

TÉT RO-027/2007 (2008-2009)  
HUF 3 140 000

### **Membership of Societies:**

Hungarian Cardiological Society  
Hungarian Physiological Society  
Hungarian Society of Experimental and Clinical  
Pharmacology (Council member since 1999-)  
International Society for Heart Research  
British Pharmacological Society  
British Physiological Society  
International Society of Cardiovascular Pharmacotherapy  
American Heart Association  
**ESC Working Group on Cardiac Cellular  
Electrophysiology (Leading Nucleus Council member  
2003-2006)**  
American Electrophysiological Society  
Fellow of the European Society of Cardiology (FESC)  
Electrophysiological Society (USA)  
**International Academy of Cardiovascular Sciences  
(member )  
since 2011; president of the European Section since  
2013)**

**Member of Committee:** University of Szeged Faculty of Medicine Admission Board  
(1996-2003)  
ETT member of jury (1997-)  
FKFP member of jury (1997-2000)  
Member of jury of Student of Scientific  
Circle's Meeting (1997-)

University of Szeged Faculty of Medicine Coordinator of  
Erasmus/Sokrates Fellowship (2000-2004)  
OTKA Grant Evaluation Committees (2012-2015)  
**OTKA Collegium for Life Sciences (2008-2011)**  
Foundation for the Future of Biochemical Sciences in  
Szeged  
(president 2013- )  
MTA DsC Committees (2012-2014)  
**MTA Lendület Evaluation Committee (2013, 2014)**

**Editor:** British Journal of Pharmacol. (1998-2001)  
Journal of Cardiovascular Pharmacology and Therapeutics  
(2004-)  
Cardiovascular Research (2013- )  
Cardiovascular Drugs and Ther. (2008- )

**Referee:** Journal of Physiology  
British Journal of Pharmacology  
General Pharmacology  
Life Science  
Acta Physiologia Hungarica  
European Journal of Pharmacology  
Journal of Cardiovascular Pharmacology and Therapy  
Journal of General Physiology and Biophysiology  
Circulation  
Basic Research of Cardiology  
Journal of Molecular and Cellular Cardiology  
Biophysical Journal  
American Journal of Physiology  
OTKA. Lendület, TÉT and several international grants

**Awards:** Széchenyi Professorial Fellowship (1997)  
Issekutz Award (2006)  
Honoris Causa in Electrophysiology (2008)  
Naranjan Dhalla Award for Innovative Investigators in  
Cardiovascular Sciences (2013)  
Carmeliet-Coraboeuf-Weidmann Honorary Lecture and  
Award (2014)  
Distinguished Leadership Award in Cardiovascular  
Sciences  
IACS (2014)

**Conference organization:** International Society for Heart Research (ISHR) European Section 2002  
European Working Group of Cellular Meeting (EWGCE) 2004  
Hungarian Physiological Society (MÉT) Meeting 2010  
75th Anniversary of Albert Szent-Györgyi's Nobel Prize 2012  
Conference and Advanced Research Workshop Sudden Cardiac Death and Cardioprotection (Timisoara) 2012.  
International Academy of Cardiovascular Science (IACS) 2014.

**Main international connections and collaborations:**

NHI, Washington USA (David Lathrop)

Unit of Cardiac Physiology University of Manchester UK (Prof. David Eisner, Dr. Steve O'Neil)

Institut de Cardiologie de Montréal, Centre de Recherche, Montreal Heart Institute, Montreal, Quebec, Canada (Prof. Stanley Nattel)

Institut für Pharmacologie und Toxikologie Medizinische Fakultät Carl Gustav Carus, Dresden, Germany (Prof. Ursula Ravens. Prof. Erich Wettwer)

Masonic Medical Research Laboratory, New York, USA (Prof. Charles Antzelevitch)

Cardiac Bioelectricity and Arrhythmia Center, Washington University, USA (Prof. Yoram Rudy)

Centro Interuniversitario di Medicina Molecolare e

Biofisica

Applicata (CIMMBA), University of Florence, Italy (Prof. Elisabetta Cerbai)

Louis,

Department of Physiology, Washington University, St.

USA (Prof. Gail Robertson)

Oxford,

Oxford University Computing Laboratory, University of

UK (Prof. Blanca Rodriguez)

I3BH

Institute of Research and Innovation in Bioengineering

Valencia, Spain (Prof. Chema Ferrero de Loma-Osorio)

**Major research activity:**

The physiology and pharmacology of the cardiovascular system which includes the cellular and molecular investigations of the cardiac potassium channels, the repolarization process of the cardiac muscle and its pathophysiological and pharmacological modulations. Particularly important research area is the investigations of the mode of action of amiodarone and other new antiarrhythmics including the repolarization related proarrhythmic mechanisms.

**Published Papers:**

Full papers: 260

**Full papers in English 235**

Book chapters in English: 9

Book chapters in Hungarian: 8

Published abstracts: 38

**Invites speakers or plenary lecturer in international conferences: 30**

Invited speakers or plenary lecturer in domestic conferences: 17

**Independent citations: 4967**

Full citations: 6320

Impact factor of full papers: **738.5**

**Hirsch-index: 44**

Industrial applied research work:

**Number of patents approved: 7, pending: 2**

**Significant participation in the development of 2 marketed drug Levosimendan (ORION Pharma) and Dronedarone (SANOFI Ltd.)**

Consultant: Xention Ltd. And Rytmion Ltd.

Regular participation in CRO activities in the field of cardiovascular and safety Pharmacology

26 June 2015

Andr s Varr   
Professor