



BEDNÁRIKNÉ Dr. DÖRNYEI Gabriella  
College professor, Head of department, Dean  
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## BEDNÁRIKNÉ DR. DÖRNYEI Gabriella

**EDUCATION**      1985-1988      Budapest University of Technology, Faculty of Chemical Engineering, Department of Organic and Biological Chemicals, Budapest, BSc in Chemical Technical Engineering

1988-1990 Budapest University of Technology, Faculty of Chemical Engineering, Biological Engineer, Budapest, MSc in Biological Engineering

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**SCIENTIFIC DEGREES**      2000      Candidate of Biological Sciences (PhD)

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**LANGUAGE SKILLS**      1997      English intermediate examination (type "C")

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**PROFESSIONAL-SCIENTIFIC CAREER**      1990-1996      As a scholarship holder of the Hungarian Academy of Sciences for advanced scientific studies (Scientific Qualification Committee (II. Department of Biology)): SOTE, Faculty of Medicine, Institute of Clinical Experimental Research - II. Institute of Physiology

1996-2008      Research Associate, Semmelweis University (SU), Faculty of Medicine, Institute of Clinical Experimental Research and Human Physiology

2008-2009      College assistant professor, Semmelweis University, Faculty of Health Sciences (FHS), Institute of Morphology and Physiology

2009-2012      College professor, Semmelweis University, FHS, Institute of Morphology and Physiology

2012-      Honorary college professor, Semmelweis University, FHS, Institute of Morphology and Physiology

2013-2018      Head of Department, Semmelweis University, FHS, Institute of Morphology and Physiology

2018-      Head of Department, Semmelweis University, FHS, Institute of Morphology and Physiology

2016-2019      Vice Dean for Scientific Affairs, Semmelweis University, FHS

2019-      Vice Dean for Scientific Affairs, Semmelweis University, FHS

2020      Dean, Semmelweis University, FHS

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**PUBLICATION LIST IN MTMT DATABASE**      <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors>  
10010428

SUBJECTS TAUGHT	<p>Medical physiology in Hungarian and English</p> <p>Teaching Clinical cardiovascular physiology elective course</p> <p>Applied chemistry</p> <p>Applied physiology and pathophysiology</p> <p>Chapters on venous circulation and hemodynamics</p>
PRACTICES LED	<p>Medical physiology in Hungarian and English</p> <p>Applied physiology and pathophysiology</p>
TEACHING IN DOCTORAL PROGRAM	<ol style="list-style-type: none"> <li>1. Annamária Szénási: Investigation and development options of nervous system immaturity (Rector's thesis competition), evaluator, 2012.</li> <li>2. Petra Balla: Viscoelasticity of large arteries (MSc thesis paper), evaluator, 2013.</li> <li>3. Tamás Valasek: Possibilities of examining dysfunction due to low back pain with the help of validated, self-administered health assessment questionnaires (doctoral thesis), opponent, 2014.</li> <li>4. Dr. Dezső Módos: Regulation of signaling networks and its investigation in tumors (PhD thesis), opponent, 2017.</li> </ol> <p>Membership in doctoral examination, PhD, and habilitation defense committees:</p> <ol style="list-style-type: none"> <li>1. Dr. Árpád Lux: Nitric oxide-mediated cardioprotection during ischemic myocardial damage and sports heart development (PhD thesis), Secretary of PhD Defense Committee, 2016.</li> <li>2. Csaba Orbán: T lymphocyte potassium channel function in childhood Crohn's disease (PhD thesis), Secretary of PhD Defense Committee, 2017.</li> <li>3. Dr. András Iring, Member of PhD examination committee, 2017.</li> <li>4. Eszter Lefkovich: Depressive and anxiety disorders in the perinatal period and their effect on maternal perception (PhD thesis), Workplace discussion of PhD dissertation, chairwoman of the committee, 2018.</li> <li>5. Dr. Nóra Sydó: The role of electrocardiography and exercise testing in the assessment of cardiovascular risk in athletes and non-athletes (PhD thesis), Secretary of PhD Defense Committee, 2018.</li> <li>6. Márta Bartusné Dr. Szmodis: A comprehensive study of the morphological, physiological, and psychosomatic effects of regular physical activity in children and young adults (Habilitation dissertation), member of Habilitation Committee), 2019.</li> </ol>
PARTICIPATION IN TDK WORK	<ol style="list-style-type: none"> <li>1. Mária Tóth (SU Faculty of Medicine IV. II. Institute of Clinical Experimental Research - II. Institute of Physiology) SU Faculty of Medicine Students' Scientific Association Conference, 1992 (2nd place)</li> <li>2. Viktória Kovács, Andrea Horváth (SU Faculty of Medicine IV. Institute of Clinical Experimental Research and Human Physiology) SU Faculty of Medicine Students' Scientific Association Conference, 2000 (Rector's laudation)</li> </ol>

3. Orsolya Prigya (SU Faculty of Medicine IV. Institute of Clinical Experimental Research and Human Physiology): Myogenic tone of the saphenous vein increases after one week of experimental orthostasis,

SU Faculty of Medicine Students' Scientific Association Conference, 2005.

4. Orsolya Prigya (SU Faculty of Medicine IV.): How rapidly myogenic tone in the saphenous vein is augmented by experimental orthostasis. *Orvosi és Gyógyszerészeti Szemle (Marosvásárhely)*, 51/suppl. 1: 16, 2005.

Since 2008 on SU-FHS:

1. Ádám Németi: Formation of a collateral branch system as a result of chronic narrowing of the rat saphenous vein (a possible model of varicosity disease), 2010.

Quality award, Students' Union special award, participation in the jubilee XXX. National Students' Scientific Conference, Dean's laudative diploma

2. Ádám Németi, Attila Dobai: Effect of sustained gravitational loading on collateral branch system of rat venous saphenous vein in a varicosity model, 2011.

Quality award, opportunity to participate on the National Students' Scientific Conference in 2013

3. Ádám Németi: Effect of orthostatic loading on rat venous saphenous collateral branch system in the late stage of varicosity model, 2012.

Quality award, participation on the XXXI. National Students' Scientific Conference, laudative diploma

4. Ádám Németi: Biomechanical features of angiogenesis (Rector's thesis competition) 2012.

Laudation, thesis with the same title, 2013

5. Orsolya Sevcsik, Zsófia Sziráki, Dóra Varga: Simultaneous effect of gravitational loading and saphenous vein suppression in a rat varicosity model, 2013.

Special Prize of the Society of Physiotherapists, opportunity to participate in the National Students' Scientific Association Conference in 2015

6. Orsolya Sevcsik, Zsófia Sziráki, Dóra Varga: Simultaneous effect of gravitational loading and saphenous vein suppression in a rat varicosity model,

National Students' Scientific Association Conference, Semmelweis University FHS, Budapest, 2015.

7. Zsófia Sziráki: Morphological features of saphenous vein branches in a rat varicosity model, 2015.

Professional Quality Award, extra opportunity to participate in the National Students' Scientific Association

8. Attila Nitsch: Permanent gravitational and antigravity effects on vascular function, thesis, 2015.

9. Virág Majsai, Máté Gulyás, Alexander J. Fees: Modification of venous wall structure in a varicosity model in rats, 2019.

Quality award, opportunity to participate in the National Scientific Student Conference in 2019

10. Virág Majsai: The role of pressure and flow in the development of venous varicosity of the lower extremities - Venous stenosis, lifestyle, possible effects of pregnancy, thesis, 2020.

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<b>MEMBERSHIP IN ORGANISATIONS</b>	1991- 2000-  2005- 1999-2011 2012-  2016- 2017-  2018-  2018- 2019- 2019-	Hungarian Physiological Society Scientific Committee of Molecular Biology, Genetics and Cell Biology of the Hungarian Academy of Sciences, member of the public body Hungarian Society of Microcirculation and Vascular Biology Acta Physiologica Hungarica, Assistant Editor Acta Physiologica Hungarica (from 2016 Physiology International), Associate Managing Editor SU University Scientific Council, representative of FHS Health Science Council Traditional Chinese Medicine Commission, member SU-FHS scientific contact (Special Person of Contact COHEHRE Research - Consortium of Institutes of Higher Education in Health and Rehabilitation in Europe) Developments in Health Sciences, member of the Editorial Board SU Doctoral Council Study and Credit Transfer Committee, chairwoman University of Physical Education Habilitation Committee, member
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<b>PROFESSIONAL ACKNOWLEDGEMENTS</b>	2015 Outstanding Scientific Student Education - University Award 2015 Mentoring Cup Award - Faculty Award
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<b>DATE OF FINALISING CV</b>	2021.05.
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