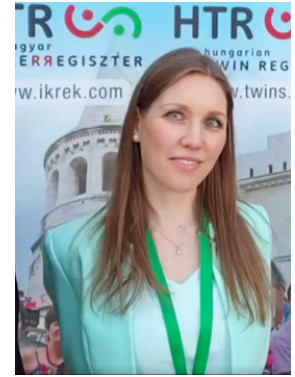


CURRICULUM VITAE

Name: Dóra Melicher, M.D., Ph.D.

Birth place and time: Budapest, 9 November, 1984.

E-mail: melicher.dora@med.semmelweis-univ.hu, Phone: +36 20 421 7215



EDUCATION

2014 – 2018

Ph.D. studies, Molecular Medicine School of PhD Studies, Semmelweis University

Program: Human Molecular Genetics and Gene Diagnostics, Topic leader: András Falus, Prof. Dr.

Research topic: Twin studies - Genetic and epigenetic trends in telomere research, immuno-epigenetics, mitochondrial epigenetics

Organization of research: Department of Genetics, Cell- and Immunobiology, Semmelweis University

Ph.D. degree obtained: 24 September 2018, *No of Certificate:* 2486/SE-DI-MOLORV/2018

Qualification: Summa cum laude

2012 – 2019

Semmelweis University, Faculty of Medicine, Budapest

Doctor of Medicine. Qualification: Summa cum laude

2004 -2009

Corvinus University of Budapest (CUB), Hungary, Expert in International Relations (MA)

Master of International Relations, Major: Diplomacy, Minor: Peace and conflict studies.

No of Certificate: NT-77/2009. Grade: excellent

PROFESSIONAL EXPERIENCE

Oct. 2018 to present

MTA-SE Immunoproteogenomics Extracellular Vesicle Research Group, Semmelweis University, Department of Genetics, Cell- and Immunobiology, Research Fellow (part time in 20 hours)

Sept. 2017 – Oct. 2018

MTA-SE Immunoproteogenomics Extracellular Vesicle Research Group, Semmelweis University, Department of Genetics, Cell- and Immunobiology, Research Assistant (part time in 20 hours)

2017 Seoul National University, Graduate School of Public Health, Research travel

2015 to present Hungarian Twin Registry Foundation, Board member, Research associate

2010 to present Hungarian Twin Registry, Research Fellow

2012 to present EDUVITAL NET Nonprofit Society for Health Education, Executive

2015 - 2018 Hungarian Academy of Sciences, Research group member

Modern pedagogical approaches of Hungarian health promotion by peer education

2011- 2012 National Development Agency, Managing Authority for International Cooperation Programmes, Deputy-Director General

2009 -2011 KÉVE Foundation, Senior Project manager

2009 International Centre for Democratic Transition (ICDT), Budapest, Project manager

2008 Garrison Group, Budapest, Junior analyst

RELATED INTERESTS AND ACTIVITIES

2012-2014 Hungarian Medical Association of America (HMAA), Volunteer conference organiser
2010 Lohn Law Firm, International Relations specialist
2009 - 2012 Hungarian Naturefriend Association, Volunteer Interpreter (English and German)
2000 – 2010 Fair Play Event, Event Leader for Children-, Youth- and Adult Programmes
2006 - 2008 Association des Etats Généraux des Etudiants de l'Europe (AEGEE), Member, Organiser
2006 - 2008 Corvinus University of Budapest, Dept. of Comparative Economics, Teaching Assistant

LANGUAGE SKILLS

English: Full professional proficiency, 'C' accredited language exam (OECONOM)

No of Certificate: 867213

Russian: Professional working proficiency, 'C' accredited language exam (OECONOM)

No of Certificate: 843437

German: Professional working proficiency, 'C' accredited language exam (EuroExam)

No of Certificate: 132622

French: Professional working proficiency, 'B' accredited language exam (DELFB2)

No of Certificate: 1362038

Latin: passive language skills

OTHER SKILLS

Typing speed: 70 WPM, Advanced Computer Skills, Microsoft Office, Driving License

PERSONAL COMPETENCIES

Creativity, multidisciplinary approach, strong problem-solving and analytical skills, excellent written and verbal communication skills, inquiring mind, collaborative team player, exactitude

SPECIAL INTERESTS AND INTENDED FURTHER STUDIES

Human genetics, genediagnosics, 4P medicine, clinical genomics, epigenetics, twin studies, systems biology, network research, microbiome, health education, health innovation, international relations

PUBLICATIONS

Melicher, D., Illés, A., Pállinger, É., Kovács, Á. F., Littvay, L., Tárnoki, Á. D., Tárnoki, D. L., Bikov, A., Molnár, M. J., Buzás, E. I., Falus, A. (2018)

Tight co-twin similarity of monozygotic twins for hTERT protein level of T cell subsets, for telomere length and mitochondrial DNA copy number, but not for telomerase activity

CELLULAR AND MOLECULAR LIFE SCIENCES, 75(13), 2447-2456. doi:10.1007/s00018-017-2738-z
Impact Factor: 5.788

Melicher, D., Illés, A., Littvay, L., Tárnoki, Á. D., Tárnoki, D. L., Bikov, A., Kunos, L., Csabán, D., Buzás, E. I., Molnár, M. J., Falus, A. (2019)

Positive association and future perspectives of mitochondrial DNA copy number and telomere length – a pilot twin study

ARCHIVES OF MEDICAL SCIENCE, doi:10.5114/aoms.2019.83173. (Online publish date: 25/03/2019)
Impact Factor: 2.344

Melicher, D., Buzas, E. I., Falus, A. (2015)

Genetic and epigenetic trends in telomere research: a novel way in immunoepigenetics
CELLULAR AND MOLECULAR LIFE SCIENCES, 72(21), 4095-4109. doi:10.1007/s00018-015-1991-2
Impact Factor: 5.694

Tarnoki, D. L., Tarnoki, A. D., Littvay, L., Lazar, Z., Karlinger, K., Molnar, A. A., Melicher, D., Garami, Z., Berczi, V., Horvath, I. (2014).

Within family transmission of secondhand smoke sensitivity and smoking attitude
ANN AGRIC ENVIRON MED, 21(4), 771-775. doi:10.5604/12321966.1129931
Impact Factor: 1.126

Feith Helga Judit dr.; Melicher Dóra; Máthé Gábor; Gradvohl Edina dr.; Füzi Rita dr.; Darvay Sarolta dr.; Hajdú Zsófia; Nagyné Horváth Emília; Soósné Kiss Zsuzsanna dr.; Bihariné Krekó Ilona dr.; Földvári-Nagy Lászlóné Lenti Katalin dr.; Molnár Edit; Szalainé Tóth Tünde dr.; Urbán Veronika dr.; Kassay Adrienn; Falus András dr. (2016)

Experience and motivation: opinion of Hungarian high school students about health promotion programs, HUNGARIAN MEDICAL JOURNAL, 2016, 157(2), 65–69. doi: 10.1556/650.2015.30338
Impact Factor: 0.349

András Falus, Dóra Melicher, György Purebl

Epigenetic regulation of mental processes
DOCTOR'S ADVANCED TRAINING REVIEW, XXII./1., January, 2015

András Falus, Dóra Melicher

The EDUVITAL-concept: Together for Health with conscious epigenetics
HUNGARIAN SCIENCE 175: (4) 494-497, 2014)

András Falus, Dóra Melicher

The EDUVITAL-concept: Together for Health with conscious epigenetics
LEGE ARTIS MEDICINAE - LAM 23: (5-6) 276-279, 2013

Dóra Melicher

Telomeres, the guardians of stability
LIFE AND SCIENCE 70: (36) 1131, 2015

Dóra Melicher, Ádám Tárnoki, Dávid Tárnoki, Júlia Métneki, Levente Littvay

Twins and epigenetics
LIFE AND SCIENCES 70: (34) 1070-1071, 2015

Dóra Melicher

Health-preservation and Economics
LIFE AND SCIENCE 68: (1) 16-17, 2013

BOOKS

Edited by: András Falus, Co-editor: Dóra Melicher

Multicolour health awareness - understand it, do it and like it!
SpringMed Publishing Ltd, Health® series. ISSN: 1786-5670. ISBN: 978-615-5166-58-7)

TWIN RESEARCH AND EDPIGENETICS – university textbook

MEDICINA Publisher under print

Editors: Ádám D. Tárnoki, Dávid L. Tárnoki, Levente Littvay, Julia Métneki, Dóra Melicher, András Pári

Chapter 22: Dóra Melicher: **Twin research and epigenetics. Discordant twin studies**

Chapter 27: Dóra Melicher: **Genetics and epigenetics in telomere research, examples of twin studies**

Chapter 30: Ádám D. Tárnoki, Dávid L. Tárnoki, Julia Métneki, Dóra Melicher, Levente Littvay: **The future of twin research**

POSTERS, ABSTRACTS

Tárnoki Dávid L, Melicher Dóra, Illés Anett, Falus András, Molnár Mária J, Szily Marcell, Kovács Dániel T, Forgó Bianka, Kostyál László, Tárnoki Adam D, Oláh Csaba

Association of mtDNA copy number and telomere length with lumbar disc degeneration: a twin study

RECOOP 13th Bridges in Life Science Annual Conference on April 12 – 15, 2018, Zagreb, Croatia

Janositz Gréta, Melicher Dóra, Illés Anett, Gyulay Kata, Jokkel Zsófia, Zsupos Rebeka, Bérczi Viktor, Szabó Helga, Hernyes Anita, Tárnoki Dávid L., Tárnoki Ádám D.

Comprehensive ultrasonic examination of the background of carotid and femoral atherosclerotic plaques in twins

The Society of Hungarian Radiologists XXIX. Congress, Pécs, 21-23 June, 2018

Tárnoki Dávid L, Melicher Dóra, Illés Anett, Falus András, Molnár Mária J, Szily Marcell, Kovács Dániel T, Forgó Bianka, Bérczi V, Kostyál László, Tárnoki Adam D, Oláh Csaba

Relationship of lumbar disc degeneration with mtDNA copy number and telomere length in twins

The Society of Hungarian Radiologists XXIX. Congress, Pécs, 21-23 June, 2018

Dávid László Tárnoki, Ádám Domonkos Tárnoki, Dóra Melicher, Anett Illés, András Falus, Mária Judit Molnár, Marcell Szily, Dániel Tamás Kovács, Bianka Forgó, László Kostyál, Csaba Oláh

Relationship of lumbar disc protrusions with mtDNA copy number and telomere length in twins

Twins 2017 – The joint 4th World Congress on Twin Pregnancy & 16th Congress of the International Society Twin Studies, Madrid 16th-18th November, 2017

Levente Littvay (CEU), Dóra Melicher (Semmelweis), Júlia Métneki, Ádám D. Tárnoki (Semmelweis), Dávid L. Tárnoki (Semmelweis), Jale Tosun (Heidelberg)

Hungarian Twin Registry Expansion

International Workshop on Statistical Genetic Methods for Human Complex Traits, March 2-6, 2015, Boulder, CO, USA

Ádám D. Tárnoki, Dávid L. Tárnoki, Levente Littvay, Dóra Melicher, Julia Métneki

How we build a 'Population based registry': Example of Hungary

The 4th International Network of Twin Registries (INTR) Consortium Meeting. Date: September 28-29, 2015, Osaka, Japan

Veronika Urban, Dóra Melicher, András Falus (Semmelweis University, Budapest)

Abstract: Genetics and life style: the EDUVITAL concept

COHEHRE Conference, '*Health and Social Care Perspectives for a Sustainable Future*'
Budapest 22-24 April, 2015

Dóra Melicher, Department of Genetics, Cell and Immunobiology, Semmelweis University
Hungarian Medical Association of America, 6th Balatonfüred Meeting, 16-17 August, 2013

Abstract and Plenary Session Lecture: Complex Trends in Health Education and Prevention

TEACHING LECTURES

Ph.D. Courses, Semmelweis University - Twin research, epigenetics and radiogenomic

Semesters: 2015/16/2; 2016/17/2; 2017/18/2. Block Lectures:

- Genetics and epigenetics: genes and environment. Epigenetic associations of twin research.
- Twin research applying molecular biology approach. The availability of the results of twin studies in prevention. Genetics and epigenetics in telomere research, immunoepigenetics.

Budapest, 05 June 2019

Dora Melicher