

Personal information:

Name: Tímea Mosolygó MD. Ph.D.

Date of birth: 18. 09. 1985.

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Work experience:

01.01.2017.-present

assistant professor

Department of Medical Microbiology, Albert Szent-Györgyi Medical School, University of Szeged, Hungary

01.09.2013. - 31.12.2016

junior assistant professor

Department of Medical Microbiology and Immunobiology, University of Szeged, Hungary

Education:

2010-2014: Ph.D.

Doctoral School of Interdisciplinary Sciences, Faculty of Medicine, University of Szeged, Hungary, Medical microbiology

2004-2010: medical doctor

Faculty of Medicine, University of Szeged, Hungary

Languages:

Hungarian – mother tongue

German – medium level

English – medium level

Other exercises*Teaching*

- medical microbiology in Hungarian and English to medical and pharmacy students, lectures, practical classes

Mentor programme

- assisting medical students in their studies in Hungarian and English, preventing drop-outs

*Supervisor activity***Scientific circle**

- Levente Galisz, Virág Kiss: CD4⁺ cells are responsible for the protective effect of the immune response to pGP3 and pGP4 proteins encoded on the plasmid of *Chlamydia muridarum* (University of Szeged, Scientific Student Conference 2014.04.11. **3rd place**; 22nd Scientific Student Conference Târgu Mures 27.03.2015, **special prize**)
- Yunsu Jang: Fmoc solid-phase peptide synthesis of α -defensin and examination their antimicrobial effects (University of Szeged, Scientific Student Conference 23-25. November 2016.)
- Bence Borbély: Anti-chlamydial effects of phenothiazine derivatives in mice (University of Szeged, Scientific Student Conference 23-25 November 2016).
- Yunsu Jang: Antibacterial effect of eight benzyl-selenocyanate derivatives with different aromatic fragments (University of Szeged, Scientific Student Conference 15-17 November 2017, **1st place**)
- Ayman El-Farouki: Antibacterial effect of diazine-ring containing hydrazones and their metal complexes (University of Szeged, Scientific Student Conference 14-16 November 2018, **1st place**)

Thesis

- 12 Hungarian, medical student
- 6 English, medical student

Top 3 publications in the last 5 years

1. **Mosolygó T**, Mouwakeh A, Hussein Ali M, Kincses A, Mohácsi-Farkas C, Kiskó G, Spengler G. Bioactive Compounds of *Nigella Sativa* Essential Oil as Antibacterial Agents against *Chlamydia Trachomatis* D. Microorganisms. 2019 Sep 19;7(9):370. doi: 10.3390/microorganisms7090370.
2. **Mosolygó T**, Kincses A, Csonka A, Tönki ÁS, Witek K, Sanmartín C, Maré MA, Handzlik J, Kieć-Kononowicz K, Domínguez-Álvarez E, Spengler G. Selenocompounds as Novel Antibacterial Agents and Bacterial Efflux Pump Inhibitors. Molecules. 2019 Apr 16;24(8):1487. doi: 10.3390/molecules24081487.
3. Jang, Yun Su; **Mosolygó, Tímea**
Inhibition of Bacterial Biofilm Formation by Phytotherapeutics with Focus on Overcoming Antimicrobial Resistance
CURRENT PHARMACEUTICAL DESIGN 26: 24 pp. 2807-2816. Paper: 10, 10 p. (2020)