



Edit Szekely

WORK EXPERIENCE

Associate Professor

University of Medicine, Pharmacy, Science and Technology "GE Palade" [2000 – Current]

City: Târgu-Mureş

Country: Romania

Teaching and research

Medical microbiologist

Mureş County Emergency Clinical Hospital [2005 – Current]

City: Targu-Mures

Country: Romania

Consultant

2019-present: head of the Microbiology Compartment

Trainee in the field of laboratory medicine

Mureş County Emergency Clinical Hospital [1999 – 2003]

City: Targu-Mures

Country: Romania

EDUCATION AND TRAINING

Medical Doctor

University of Medicine and Pharmacy [1991 – 1997]

Address: str. Gh. Marinescu 38, 540142 TARGU MURES (Romania)

PhD

University of Medicine and Pharmacy [2003 – 2009]

LANGUAGE SKILLS

Mother tongue(s): **Hungarian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

PROJECTS

IMUNOLAB: Professional and organizational training of immunology laboratory employees through the implementation of state-of-the-art technologies and quality management.

[2011 – 2013]

ID: POSDRU/81/3.2/S/59497

Partners: Romanian Society for Immunology, Victor Babes Institute, Cantacuzino Institute, University of Goeteborg, Sweden.

Role in the project: technical expert

Molecular characterization of community- and hospital associated methicillin-resistant *Staphylococcus aureus* strains

[2009 – 2011]

Idei, CNCSIS, nr 1180/2009

Member of the research team

ENDOBACT: Bacterial endocarditis in Romania - development of a functional model for surveillance and characterization of its etiological agents

[2008 – 2011]

Partnership Project, CNCSIS, 2008-2011

Member of the research team

Treatment of experimental infectious endocarditis caused by methicillin-resistant *Staphylococcus aureus*

[2013]

Research grant of the UMF Tg. Mures (contract nr. 11/30.01.2013)

Project coordinator

Strengthening the institutional capacity for the control of hospital infections and the management of antibiotic consumption in Romania

[14/01/2021 – Current]

SEE 2014 - 2021;

National Institute "Prof. Dr. Matei Bals"

Medical expert

EURECA - European prospective cohort study on Enterobacteriaceae showing REsistance to CARbapenems

[2017 – 2019]

COMBACTE-CARE. EURECA - International multicenter clinical study for the evaluation of carbapenem resistance in Enterobacteriaceae

RELEVANT COURSES

Certificate in GCP (good clinical practice)

[13/09/2017 – 14/09/2017]

COMBACTE, UMC Utrecht

Bacterial Molecular Typing, Oeiras, Portugal

[29/04/2007 – 04/05/2007]

ESCMID (European Society of Clinical Microbiology and Infectious Diseases) training course in molecular typing

Measuring, auditing and improving antimicrobial prescribing, Nice, France

[30/04/2006 – 01/05/2006]

ESCMID training course

LECTURER - TRAINING OF PROFESSIONALS IN MICROBIOLOGY

Relevant courses

17-18. 05. 2019: Antimicrobial susceptibility testing: disc diffusion method, clinical breakpoints and interpretations using EUCAST tables. Detection of resistance mechanisms, expert rules. Workshop, Bacău

3-4 11. 2018, ROEQALM Quality assurance in laboratory medicine, Cluj

16-18 10. 2018: The importance and role of the sentinel system in the surveillance of healthcare associated infections and antibiotics of microbial strains that cause invasive infections. Bucharest

30-31 martie 2018 Antibiotic use and abuse, Bucuresti

10-11.06.2016: Antimicrobial susceptibility testing, workshop, Târgu/Mureş

1. 07. 2015 Surveillance and control of nosocomial infections, monitoring of nosocomial infections and antibiotic resistance, Cluj

PUBLICATIONS

Relevant publications

Szekely E et al: First description of bla(NDM-1), bla(OxA-48), bla(OxA-181) producing Enterobacteriaceae strains in Romania. Int J Med Microbiol. 2013, 303:697-700.

Szekely E et al: Analysis of Romanian Bacteroides isolates for antibiotic resistance levels and the corresponding antibiotic resistance genes. Anaerobe. 2015, 31:11-14.

Szekely E et al: Molecular epidemiology and virulence factors of methicillin-resistant Staphylococcus aureus strains in a Romanian university hospital. Rev Rom Med Lab. 2012, 20:371-382.

Molnar, S.; Flonta, M. M. M.; Almas, A.; Buzea, M.; Licker, M.; Rus, M.; Foldes, A.; Szekely, E.: Dissemination of NDM-1 carbapenemase-producer Providencia stuartii strains in Romanian hospitals: a multicentre study. J Hospit Inf. 2019, 103:165-169.

Vas, Krisztina E.; Torok, Arpad; Cordos, Bogdan; Vancea, Szende; Brassai, Attila; Szekely, Edit: Effect of teicoplanin on Staphylococcus aureus with heterointermediate susceptibility to glycopeptides in experimental infective endocarditis model. J Chemother. 2016, 28:446-449.

OTHER ACTIVITIES

Editor of Romanian Review of Laboratory Medicine

[2009 – Current]

ISSN online: 2284-5623 ISSN-L: 1841-6624

Impact factor (2020): 1.027

Editor of Bacteriologia, Virusologia, Parazitologia, Epidemiologie

[2013 – Current]

ISSN: 1220-3696

Coordinator of trainees in medical microbiology - Center of Targu-Mures

[2017 – Current]

Member of the subcommittee for limiting antimicrobial resistance – Ministry of Health

[2013 – 2014]

Member of the Committee of Medical Microbiology – Ministry of Health

[2016 – Current]

Permanently Invited Member of the Multidisciplinary Committee for the Management of Burn Patients - Ministry of Health

[2021 – Current]

DIGITAL SKILLS

Microsoft Excel / Microsoft Word / Microsoft Office / Microsoft Powerpoint / Zoom / Google Docs