

Curriculum vitae

Personal Details

Name: Dr. József Sóki

Address: H-6726 Szeged, Traktor u. 28.

Telephone: +36 62 438712 , +36 20 5708341

Place and date of birth: Makó (Hungary), 16. May, 1965

Marital status: single

Nationality: Hungarian

Career history

Education and training

1997-1999 Two year training course of Attila József University (Szeged, Hungary) in environmental protection.

1993-1996 Postgraduate studies:

Albert Szent-Györgyi Medical University, (Szeged, Hungary), Medical Microbiology Ph.D. Programme.

In 2000 I got the PhD degree. Title of the PhD thesis: „Molecular biological investigation of cryptic plasmids and imipenem resistance of Hungarian clinical isolates of *Bacteroides*”

1984-1989 Undergraduate studies:

Attila József University (Szeged, Hungary), Faculty of Sciences, field of study biology (with special training in molecular biology and biotechnology). 1989

degrees: Bachelor of Sciences and Master of Sciences (Title of diploma work: „Determination of the 3'-end of the longest mRNA of the chicken linking-protein”).

Qualification: biologist

1979-1983 Grammar school

Miklós Radnóti Grammar School, Szeged, Hungary

Experience

2021- Institute of Medical Microbiology, Albert Szent-Györgyi Health Centre and Medical School, University of Szeged

1993-2021 Department of Clinical Microbiology, (Albert Szent-Györgyi Medical University, -2000) University of Szeged (2000-).

PhD student (1993-1996), Research Assistant (1997-2002), Research Associate (2002-).

Some investigations on the β -lactam resistance of main aerobic pathogens especially MRSA and ESBLs. The main topic however, is the examination of the antibiotic resistance and virulence mechanism and genetics of anaerobic pathogens, mainly *Bacteroides* spp., which includes the mechanisms for penicillin and cephalosporin, carbapenem and metronidazole resistance, characterization of their multidrug-resistant isolates, and the examination of their mobile genetic elements.

1990-1993 Department of Medical Biology, Albert Szent-Györgyi Medical University.

Participation in teaching molecular biology to medical students and in research on the integrase protein of Rous sarcoma virus and on the core protein of hepatitis B virus.

1989-1990 Biotechnika Rt. (Szeged, Hungary)

Overexpression and purification of heat-stable enzymes from the thermophilic organism, *Thermus aquaticus*.

Scientific Degrees

2012 Dr. habil. (Biology), University of Szeged, Szeged, Hungary

2000 PhD (Medical Sciences), University of Szeged, Szeged, Hungary

1989 MSc (Molecular Biology), Attila József University, Szeged, Hungary

Fellowships, study visits

2019 Two weeks at the “Severo Ochoa” Center for Molecular Biology, Autonom University of Madrid, Madrid, Spain

2010 Eight weeks at the “Severo Ochoa” Center for Molecular Biology, Autonom University of Madrid, Madrid, Spain

2009 Eight weeks at the “Severo Ochoa” Center for Molecular Biology, Autonom University of Madrid, Madrid, Spain

2008 Ten weeks at the Institute of Molecular and Cellular Biology, Barts and the London University, London, UK

2004 Two weeks at the Laboratory for Molecular Research of Antibiotics, University of Paris 6, Paris, France

Two month at the Department of Clinical Bacteriology, Karolinska Hospital, Karolinska Institute, Stockholm, Sweden

2002 Summer School of ESMID at Mallorca, Spain entitled „Mechanisms of Antimicrobial Resistance. A Practical Approach.”

2001 Three month scholarship of the Max Planck Institute for Molecular Physiology, Dortmund, Germany.

Two months scholarship from the Royal Society and Hungarian Academy of Sciences at the Department of Medical Microbiology, University of Wales College of Medicine

2000 One week study visit at the Institute of Hygiene, Karl-Franzes University, Graz, Austria

Membership Member of the Society of Hungarian Microbiologists (1999-), American Society for Microbiology (2002-), European Society of Clinical Microbiology and Infectious Diseases (ESCMID) (2002-), Hungarian Society for Laboratory Diagnostics (1998-), Hungarian Society for Chemotherapy (2004-), Anaerobe Society of the Americas (2008-), American Chemical Society (2009-12), Society of the Hungarian Biochemists (2008-).

Educational activity

1990-1992 Participating in the teaching of Medical biology practical courses to medical students

2001- Supervising BSc and MSc theses (15 students)

2001- Supervisor in the Inter-disciplinary and Clinical Medicine PhD Schools at the University of Szeged (4 students)

International education activity

- 2007 6th Summer School of the ESMID, Suceava, Romania, 1-6 July (Antimicrobial resistance in medically important anaerobes)
42nd ESCMID Post-Graduate Education Course on Role of anaerobic bacteria in infections, Szeged, Hungary, 2-4 June
(Imipenem and metronidazole resistance in *Bacteroides*, an increasing problem in the treatment of severe anaerobic infections)
- 2012 ESCMID Postgraduate Technical Workshop, Szeged, Hungary, 3-8 June (Antibiotic resistance trends in anaerobic bacteria)

Awards

3rd prize in the article competition for young members of the Society of Hungarian Microbiologists (2001). Research Award of the European Society of Clinical Microbiology and Infectious Diseases (2002, 4000 EUR). One-year János Bolyai Postdoctoral Research Scholarship from the Hungarian Academy of Sciences (2009-2010, appraisal: excellent)

Research Grants

- 2019- Austria-Hungary bilateral research grant from the Hungarian National Research, Development and Innovation Office
“Nim-mediated metronidazole resistance in *Bacteroides fragilis*” (20 000 EUR, ANN_130 760)
- 2018-2021 Albert Szent-Györgyi grant from the Medical Faculty of our University (10M HUF)
- 2014 and 2017 Support from the Faculty of Medicine, University of Szeged
- 2009-2010 Hungary-Spain Bilateral Cooperation Grants from the Hungarian Academy of Sciences-Consejo Superior de Investigaciones Científicas and from Intergovernmental Agreements
- 2009 János Bolyai Research Award from the Hungarian Academy of Sciences
- 2004 Research Award of the European Society of Clinical Microbiology and Infectious Diseases (4000 EUR)
- 2002-2005 Grant from the Hungarian National research Foundation (OTKA) on „Evaluation of antibiotic-resistant clinical isolates of aerobic and anaerobic bacteria; investigation of the genetic background by molecular biological methods”

Publication activity

Total number of articles in scientific journals: 72 (including 5 in Hungarian)

Cumulative impact factor: 178.089

Total number of citations: 1806 *h*-index 25 (Google scholar):

Judging of scientific degrees

- 2020 PhD of Annamária Kincses
- 2018 Dr. Habil. of Dr. Gabriella Spengler, University of Szeged
- 2017 Dr. Habil. of Dr. Balázs Gyórfy, Péter Pázmány Catholic University
- 2015-2016 PhD of Simon Alexander Dingsdag, University of Sydney
- 2014 PhD of Rosemary Meggersee, University of Cape Town

Referee for the following scientific journals and granting bodies

Journal of Medical Microbiology, Journal of Antimicrobial Chemotherapy, International Journal of Antimicrobial Agents, Anaerobe, FEMS Microbiology Letters, Plasmid, Hungarian National Research Fund, Medical Research Council of South Africa

Journal Editor

Anaerobe, Frontiers in Microbiology, World Journal of Clinical Infectious Diseases

Languages Hungarian (native language), advanced English, beginner in German and French, ancient Latin education in the grammar school.