

Péter Mátyus

Personal Information:

Date and place of birth: May 29, 1952; Budapest
Citizenship: Hungarian
Languages: Hungarian, English, German

Education:

M.S. (Synthetic Organic Chemistry) Technical University Budapest, 1970-1975;
M. Litt. (Doctor title) Technical University Budapest 1980;
Degree in Medicinal Chemistry (post-graduate) Technical University Budapest 1979-1981;
C.Sc. Hungarian Academy of Sciences, Budapest 1984 (Diazines; equivalent to PhD, Inst. for Drug Research, Budapest, E. Kasztreiner);
Habilitation, A. Szent-Györgyi Univ., Szeged 1997;
Full Professor since 1998;
D.Sc. Hungarian Academy of Sciences, Budapest, 2001 (Medicinal Chemistry; tert-Amino effect).

Postdoctoral Fellowships:

Fellowship of the A.v. Humboldt-Foundation (Germany): Inst. für Organische Chemie und Biochemie der Univ. Bonn (H. Wamhoff) 1982-1984 (18 months), 1989, 1990 (6 months);
Fellowship of the Ciba-Geigy Foundation for Promotion of Sciences Japan: Inst. for Chem. Res. of Univ. Kyoto (K. Tanaka, K. Fuji) 1992-93 (12 months);
Fellowship of the Australian Natl. University: John Curtin School of Medical Research (G. Barlin) Canberra 1993 (1 month), 1994 (3 months).
Visiting Professor for stays with courses/seminars (listed only for the last 3 years): University Cagliari (Italy); University Modena (Italy); University Palermo (Italy); National University Singapore (Singapore)

Professional Experiences:

Institute for Drug Research

1975-97, first position: research assistant; last position: Head of Division (100-Staff)

Recent positions:

Semmelweis University, *Department of Organic Chemistry*,
1997- 2016, Head of Department

Semmelweis University, *Drug Discovery and Safety Centre*,
2008-2016, Director

Semmelweis University, Faculty of Health and Public Services 2017, Professor

Pazmany Peter Catholic University, Faculty of Information Technology,
2012-2014, Professor

Bionics Innovation Center Nonprofit Ltd.

2014-2016 Scientific Director; 2016-2017 CEO

Membership with positions:

1999-2007 Chair of the Division of Organic and Medicinal Chemistry of the Hungarian Chemical Society (re-elected twice).

2002-2006 Member of the Council of Scientists, INTAS (EU, Brussels; re-elected).

2004-2010 Member of the Executive Committee, and Chairman of Education and Training Committee of European Federation for Medicinal Chemistry (re-elected).

2007-2011 President of the Hungarian Chemical Society.

Member of Drug Discovery and Development Subcommittee of IUPAC.

Co-Founder of Paul Ehrlich MedChem Euro-PhD Network
(currently includes ca. 40 European Universities).

2014- Member of the Hungarian Society for Experimental and Clinical Pharmacology and
Chairman of Medicinal Chemistry and Molecular Informatics Section

Teaching experience:

More than 30 years experiences in delivering main lectures (Organic chemistry and Medicinal chemistry) in teaching courses for pharmaceutical and chemistry students, more recently for students in Infobionics, Medical biotechnology at graduate and postgraduate levels. Seminars in special topics with the same subjects and Drug research and innovation. Supervision of PhD students. All teaching activities (in Hungarian, English) include domestic and foreign Universities. Invited lecturer for many courses/seminars.

Research Interest:

Medicinal chemistry of cardiovascular, central nervous systems; amine oxidase enzymes; molecular modelling and synthesis of biologically active compounds. Drug design/designing concepts. Synthetic and mechanistic chemistry of pyridazines and nitrogen containing heterocyclic systems. Molecular pathomechanisms. Biomarkers, molecular imaging, diagnostics. Drug and health innovation.

Publications, inventions, conferences and editorial activities:

>185 original papers (IF: >360); MTMT id code: 10007438
1 book in 3 volumes and 2 editions (Antus-Mátyus: Organic Chemistry, in Hungarian), >10 chapters in various books (Hungarian and English);
28 patented inventions (in most of them as main inventor).
4 invented drug candidates entered clinical trials.

>350 presentations (including many invited/plenary lectures) at National and International Scientific Meetings. Seminars and courses at various universities worldwide.

Conference Chair/Co-Chair:

5th International Symposium on the Chemistry and Pharmacology of Pyridazines, Chair;
Hungarian-German-Italian-Polish Joint Meeting on Medicinal Chemistry (2001). Chair;
Metabolic Disorders: From Bench to Bedside (2008), Co-Chair;
Biennial Natl. Meeting of Hungarian Chemists (1999, 2001, 2003, 2005, 2007). Hungarian Natl Chem. Meeting (2011). Chair;
XXIth European Colloquium on Heterocyclic Chemistry (2004), Co-Chair;
Workshop on alpha2-Adrenoceptors (2006), Co-Chair;
Joint Meeting on Medicinal Chemistry (10 European countries, 2009), Chair;
ICOS-20 (IUPAC, World Conference, 2014). Chair;
From Medicine to Bionics (2016), Co-chair.

Editor:

Guest Editor: THEOCHEM (2000/1-2); Acta Pharm. Hung. (2001/1); Curr. Med. Chem. (2004/1), Curr. Org. Chem. (2006/2);
Associate Editor: Future Med. Chem. (2009-).

Awards:

Zemplén-Prize, Hungarian Academy of Sciences 1989.
'Nívó'-Prize, Hungarian Chemical Society, 1996.
Genius Prize, Committee of the Hungarian Inventors, (twice) 1996, 1998.
Jedlik Anyos Prize, Hungarian Patent Office, 2002.
Kazay Prize, Hungarian Pharmaceutical Society, 2004.
Than Károly Prize, Hungarian Chemical Society, 2005.
Náray-Szabó Gábor Prize, Hungarian Chemical Society, 2006.
Bruckner Prize, Hungarian Academy of Sciences 2009.
PhD-Educational Prize, Semmelweis University, 2011.
Gabor Denes-Prize for Innovation, 2013 (the most prestigious award for innovation in Hungary).
Gamboa-Winkler-Award, Spanish Royal Society of Chemistry, 2017.
Honorary Doctorate (Laurea Honoris Causa) University Cagliari, 2018