

Porrogi Pálma Ph.D Curriculum vitae



Porrogi Pálma Ph.D

Molecular biologist, assistant professor with main love in education. I teach cell biology and immunology in Hungarian, English and German at Semmelweis University. Before that, I taught Biochemistry and Molecular Biology in English and Hungarian at the Department of Biochemistry, ELTE. Besides teaching, I also enjoy research, especially in pharmaco-biochemistry, pharmacology and protein biochemistry, structural biochemistry, neuro-psycho-immunology, individual drug therapy treatment and the newest immune- and pharmacogenetic based treatments.

I am also a friendly, outgoing person who quickly finds my voice with students (international students with many years of teaching experience). Determined, ambitious, ready for action, who likes challenges.

My goal is to raise patient care to a higher level, to develop prevention and molecular medicine laboratory diagnostics. Also, the development of the construction of the complex team-based health care system.

STUDIES

- **Molecular biologist - biochemist** (2008)
Eötvös Loránd University (Budapest)
- **PhD degree- Structural biochemistry-** (2016)
Eötvös Loránd University (Budapest)

JOBS

[2024 -

Adjunct Professor

Széchenyi University, Faculty of Health Sciences

- Teaching, organization of nursing program in English.
- establishment and coordination of international educational and research relations

[2019-

Adjunct Professor

Semmelweis University, Institute of Genetics, Cell and Immunobiology –

Teaching: Cell Biology, Immunology (Hungarian, English, German) lectures and practical training -
Research: member of the Chemotaxis research group: investigation of the mechanism of action of antitumor molecules on different cell lines (cell viability, FACS, fluorimetry, impedimetry)

[2018-]

Adjunct Professor

McDaniel College , Budapest

[2014-2018]

Adjunct Prof.

Eötvös Loránd *University, Dept. Biochemistry*

practice, seminar teaching (in Hungarian, in English) - Student laboratory manager - Radiation protection manager- Isotope laboratory manager

Languages

English and German (in B level written and spoken)

Subjects

- Introduction to Biochemistry - lecture, seminar
 - Introduction to Biochemistry - practical
 - Molecular Biology - lecture, seminar, practical
 - Biochemistry and Molecular Biology - advanced level - practical
 - Biotechnology - seminar
 - Diploma thesis (Biology BSc and Biology teacher) - topic guide : 3 theses - Animal cell biology - lecture, seminar
 - Animal histology - lecture, seminar
 - Fundamentals of animal cell and histology - lecture
 - Human Anatomy and physiology for nursing student
 - Pathophysiology
 - General pre-medical Biology
 - Microbiology - lecture, seminar –
 - Cell biology (medical) - lecture, seminar
 - Immunology (medical) -
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BOOKS

- 1) Dr. Venekei I., Molnár T., **Porrogi P.**: *Practical Biochemistry* in Hungarian language, Financed from: ELTE TÁMOP 2015.
 - 2) **Porrogi P.**: *Practical Biochemistry*, in English language "Financed from the financial support ELTE won from the Higher Education Restructuring Fund of the Hungarian Government.", 2016.
 - 3) *Biologie für Mediziner* (Pap.E., **Porrogi P.**, Wiener Z, Zeöld A.) : Semmelweis University, 2021.
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APPLIED METHODS

- Enzymology - Pharmacokinetics - HPLC - Spectrophotometry, Fluorimetry - Gel electrophoresis techniques PAGE, agarose, Western blot, ELISA - Cell culture: primer, cell lines - Primer human hepatocyte - Cell lines (MCF7, LNCaP, Colo, PANC1, A2058, EBC1) - Genomics_ DNA, RNA isolation - PCR, RT-PCR - Protein structure determination (X-ray crystallography) - Impedimetry - Immunoblot techniques - FACS

INTERNATIONAL STUDY TRIPS

- Nelson Mandela University, Port Elisabeth, South Africa
- Olmoutz-I University, Czech Republic
- University of Ljubljana, Slovenia

PUBLICATIONS

1. Kóhalmy K., Tamási V., Kóbori L., Sárváry E., Pascussi J. M., **Porrogi P.**, Rozman D., Prough R. A., Meyer U. A., Monostory K.: (2007) „ *Dehydroepiandrosterone induces human CYP2B6 through the constitutive androstane receptor*”, Drug Metabolism and Disposition (35) 1495-1501, **IF: 1,410**
2. Kóbori L., Kóhalmy K., **Porrogi P.**, Sárváry E., Gerlei Z., Fazakas J., Nagy P., Járay J., Monostory K.: (2008) *Drug-induced graft toxicity caused by cytochrome P450 poor metabolism*, Br J Clin Pharmacol (3)428-36. **IF: 3,688**
3. **Porrogi P.**, Kóbori L., Kóhalmy K., Gulyás J., Vereczkey L., Monostory K.: (2008) *Limited applicability of 7-methoxy-4-trifluoromethylcoumarin as a CYP2C9-selective substrate*, Pharmacological Reports (60) 972-979 **IF: 2,167**
4. Odei-Addo F., Naude R. J., Frost C. L., Graf L., Patthy A., **Porrogi P.** (2008) *Isolation and preliminary characterization of a serine protease inhibitor from a South African medicinal plant, Acacia Schweinfurthii var Schweinfurthii* FEBS Journal 275: p. 363. **IF: 3,139**
5. Kóbori L., Kóhalmy K., **Porrogi P.**, Sárváry E., Gerlei Z., Fazakas J., Nagy P., Járay J., Monostory K. (2008) *Drug-induced liver graft toxicity caused by cytochrome P450 poor metabolism*, British Journal of Clinical Pharmacology 65:(3) pp. 428-436. **IF: 3,128**
6. Wahlgren W.Y., Pál G., Kardos J., **Porrogi P.**, Szenthe B., Patthy A., Gráf L., Katona G.: (2010) *The catalytic aspartate is protonated in the Michaelis complex formed between trypsin and an in vitro evolved substrate-like inhibitor: a refined mechanism of serine protease action*. J Biol Chem. (5):3587-96 **IF: 5, 328**
7. Kóbori L., Sárváry E., Gerlei Z., Fazakas J., Doros A., Görög D., Fehérvári I., Nemes B., Temesvári M., **Porrogi P.**, Paulik J., Monostory K. (2011) *Screening of drug metabolizing capacity of the liver using peripheral blood sample. CYP-phenotype, allele and genotype frequencies* Zeitschrift für Gastroenterologie 49: Paper A43. **IF: 0,896**
8. Belic A., Tóth K., Vrzal R., Temesvári M., **Porrogi P.**, Orbán E., Rozman D., Dvorak Z., Monostory K.: (2013) *Dehydroepiandrosterone post-transcriptionally modifies CYP1A2 induction involving androgen receptor*. Chem Biol Interact. (3):597-603. **IF: 2, 982**
9. Patthy, A., Molnár, T., **Porrogi, P.**, Naudé, R., & Gráf, L. (2015). *Isolation and characterization of a protease inhibitor from Acacia karroo with a common combining loop and overlapping binding sites for chymotrypsin and trypsin*. Archives of biochemistry and biophysics, (565) 9-16. **IF: 3,043**

Q1 and Q2

MTMT ID	10014799
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