

Curriculum vitae

I was born on the 28th of September, 1971, in Szeged, Hungary. My father, Dr. Gábor Petheo, is lawyer and my mother, Dr. Zsuzsanna Dóczy, is doctor of eyesight. I have two sisters and one brother.

Schools:

- 1978-1986. Kós Károly Primary Grammar School, Budapest.
- 1986-1990. Nagy Sándor József Secondary Grammar School, Budakeszi.
- 1990. Graduation with 'excellent' result.
- 1990-1996. Semmelweis University, Faculty of Medicine, Budapest. In the second year of the University I won the first prize of the competition in Physiology. That year I was invited to work as research student in the Department of Physiology in the group of Prof. András Spät. I received my diploma (Doctor of Medicine, qualification summa cum laude) in September, 1996. Title of the diploma theses: Voltage-gated Ca²⁺ channels in heart muscle cells. I have received my Ph.D. diploma in November 2002. Title of the Ph.D. theses: Role of anion currents in the function of carotid body chemoreceptor cell.

Jobs, fellowships :

- 1996-1999. Granted Ph.D. student of the Cellular and Molecular Physiology Program at the Molecular Medicine Ph.D. School of the Semmelweis University.
- 1999-2000. Intern at the Department of Physiology of the Semmelweis University.
- 2000-2006 Assistant lecturer at the Department of Physiology of the Semmelweis University.
- 2002.08.31- 2005.08.31 Post-doctoral fellow at the laboratory of Nicolas Demaurex, at the Department of Physiology, University of Geneva, Switzerland.
- 2006- Senior lecturer at the Department of Physiology of the Semmelweis University.
- 2007- János Bolyai Scientific Fellowship, Hungarian Academy of Sciences

Teaching experience:

- 1996- Physiology seminars for Hungarian second year medical students.
- 1996- Supervisor of research students of the electrophysiology laboratory.
- 1998- Physiology seminars for German speaking second year medical students.
- 2000- Physiology lectures for Hungarian second year dentistry students.
- 2006- Physiology lectures for German speaking second year medical students.
- 2008- Physiology lectures for Hungarian second year students.

Highest Qualification:

Doctor of medicine, Ph.D. in cellular and molecular physiology.

Studies abroad:

- 1996.01.15 - 04.07. Catholic University of Nijmegen (the Netherlands), internal medicine training, granted by the Tempus Scholarship of the European Union.

- 1997.07.14-28. University Laboratory of Physiology, Oxford, United Kingdom, at the laboratory of Keith J. Buckler. Learning the method for cell preparation and whole-cell patch-clamping of rat carotid body chemoreceptor cells.
- 2001.06.24-08.11. and 2001.11.17-24. Laboratory of Nicolas Demaurex, at the Department of Physiology, University of Geneva, Switzerland. Excised-patch experiments from human eosinophils, investigating H⁺ current.

Scientific experience:

Cell preparation from different organs for establishing primary cultures. Single cell fluorimetry for measuring intracellular pH, [Ca²⁺] and cell volume. Whole-cell, cell-attached and excised patch measurements. Macroscopic and single-channel current measurements from various ion channel types. Basic molecular biological techniques. Immune cytochemistry, Western blot.

Publications:

First author of 5 original papers
Co-author of 7 original papers
Co-author of one review paper
Cumulative impact factor of the above publications: ~56
total count of independent citations: ~170
H-index: 8

Command of a language:

- 1989. Intermediate level Hungarian State exam in English.
- 1990. Base level University exam in German.

Dr. Gábor Petheo