

DR PÉTER SÓTONYI
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1. PERSONAL DATA

Name: Péter Sótónyi
Place and date of birth: Mosonmagyaróvár, September 27, 1954
Mother's maiden name: Erzsébet Behofsich
Marital status: married, spouse: Livia Szűts, music teacher
Children: Kata (born: 1985), Tamás (born: 1990)

2. EDUCATION

Secondary: Kossuth Lajos High School, Mosonmagyaróvár (1969-1973)
Higher: University of Veterinary Medicine, Budapest (1973-1979)
Scientific degree: Doctor of the Hungarian Academy of Sciences, 2013 (certificate number: 5112)
PhD in veterinary medicine, 1989 (diploma number: 12.715)
Habilitation: 1994 (number: 4)
Foreign language skills: Intermediate German (1991 - N 027821/1991)
Intermediate English (2000 - PTA 002539; 941/2000)

3. JOBS, APPOINTMENTS, LEADERSHIP POSITIONS

1979-1982: University of Veterinary Science Department of Anatomy and Histology, scholarship holder in further education.
1982-1985: Semmelweis University, Institute of Biology, doctoral candidate on scholarship.
from 1985: University of Veterinary Medicine (from January, 2001: its legal predecessor, Faculty of Veterinary Medicine, Szent István University, then from 2016: Department of Anatomy and Histology, University of Veterinary Medicine)
1985-1991: teaching assistant
1991-1993: assistant professor
from 1993: associate professor
from 1994: deputy head of department
from 2001: full professor, head of department
from 2012: dean
from 2017: rector

4. TEACHING

I. Graduate training

Mandatory subjects

from 1979: offering seminars and occasional lectures in Anatomy and Landscape Anatomy
1982-1985: Semmelweis University, teaching biology (lectures and seminars)
from 1992: offering lectures in biology
from 1994: offering lectures in landscape anatomy in Hungarian and German
from 2001: offering lectures in anatomy Offering all first- and second-year lectures and plenary seminars in both Hungarian and German language courses

Elective courses introduced and offered

- from 1995: Veterinary X-ray Anatomy, Fall semester, 1 class per week
- from 1997: Surgical Exploratory Anatomy, Spring semester, 1 class per week
- from 1999: Archeological Zoology, Fall semester, 1 class per week
- from 2001: The History of Hungarian Veterinary Training, Spring semester, 1 class per week
- from 2003: The Evolutionary Theory of Organs, Organogenesis, Spring semester, 1 class per week
- from 2004: The Anatomy of Domestic Birds, Spring semester, 1 class per week

My lectures are attended by 90% of the students of the relevant year. In addition to the official number of classes per week, I regularly provide opportunities for dissection and consultation for both Hungarian and foreign-language students. These consultations are often attended by 80-100 students.

In my lectures, verbal presentation is aided not only by board drawings but also slides and transparencies on overhead projectors, demonstrations with anatomical preparations, live streams from the autopsy room and projections of anatomical computer programs. During the plenary seminars in the lecture hall, the preparations under the camera are illustrated for the audience directly using an overhead projector, so that all students can see the same thing at the same time.

Biology as a subject was introduced in the 1992/93 academic year. I undertook to plan and develop the syllabus of this course, as well as to teach it. In teaching biology, I make good use of my experience gained in the teaching of medical biology at the SOTE Institute of Biology (during my postgraduate studies).

I was responsible for furnishing the Anatomical Student Museum, which greatly contributes to the development of anatomy education and is now visited and admired by outsiders (many primary schools and high schools students on open days, etc.), and which plays an important role in the dissemination of scientific knowledge. I am still responsible for looking after the equipment set up in this facility.

I continue to be responsible for coordinating and helping the work of my colleagues in practical training. I regularly consult with the lecturers of the Department of Surgery.

Degree theses and Students' Scholarly Circle paper consultation from 1995

- Degree theses: 8
- Students' Scholarly Circle papers: 17 (one of my students won 1st prize, two won 2nd prize, one won 3rd prize and one won a special prize at the National Students' Scholarly Circle Conference)

Student assessment

- In recognition of my teaching work and based on student assessments, I won the title of best instructor (lecturer, seminar leader) 44 times in both Hungarian and German for first- and second-year courses, as the relevant certificates prove.
- I received the title of "Teacher of the Year" and the main prize in 1999, published by the editorial board of *Diákinfó* (Higher Education Students' Public Journal).

II. Postgraduate training

- I teach *Anatomy in Laboratory Animal Science and Experimental Design*, especially for PhD students, in a course giving a bilingual EU-conform certificate.
- I teach *Functional Anatomy of Laboratory Animals* for students majoring in toxicology and *Landscape Anatomy and Its Clinical Aspects* for students majoring in domestic animal veterinary medicine and equine veterinary medicine in the postgraduate specialist training program.
- I regularly give lectures, 10-15 times a year, on current selected topics as a guest speaker at the further education programs held by the Hungarian Veterinary Chamber in Budapest and elsewhere in the country, as well as at events organized by the Chamber in the Carpathian Basin.

- In 2005, I gave a lecture at the Mindentudás (omniscience) University entitled Analysis of the Movement of Animals and a lecture at the Academy of Everyone in 2018 entitled Our National Treasure, the Horse.

III. Teaching activities in other Hungarian higher education institutions

- I give lectures and seminars in *Functional Anatomy* offered to students participating in *biomedical engineering training* within the framework of the joint biomedical education program organized by BME, SOTE and ÁTE and supported by FEFA.
- I gave lectures and seminars to archeology students at the Department of Archeology, Eötvös Loránd University in the courses *Studying the Skeleton of Domesticated Animal* (RG 320.51) and *Seminar in Studying the Skeleton of Domesticated Animals* (RG 320.52).
- At the Faculty of Physical Education at Semmelweis University, I participate in Equestrian Vocational Training as well as Equestrian Culture as an acting lecturer in the course *Functional Anatomy of the Horse*.
- I am responsible for teaching *The Anatomy of a Horse* in the *Equestrian Teacher and Organizer* training program.
- I am the invited lecturer of the course *Architectural Aspects of Horse Breeding* at the Faculty of Architecture of the Budapest University of Technology and Economics.

IV. Teaching activities at foreign higher education institutions

- Since 1998, I have been giving *Surgical Exploratory Anatomy* courses as a visiting professor at the Faculty of Veterinary Medicine of the University of Agricultural Sciences in Timisoara (certificate number: 7229/1998)
- I regularly give lectures in the undergraduate training program at the Universities of Vienna and Berlin.

5. MAJOR FOREIGN GRANTS AND STUDY TRIPS

- Study trips to veterinary anatomical institutes in Brno, Leipzig, Berlin, Bern, Vienna, Hanover, Ljubljana, Košice, Oslo and Messina to study the production of anatomical demonstration tools and preparations, and the structure of education.
- Since 1998, I have carried out a specific phase of joint research for several months on five occasions at the Institute of Anatomy, the University of Cologne, 13 times at the *Institute of Neuroanatomy, the University of Düsseldorf and at the C. und O. Vogt Brain Research Institute*.
- Conducting specific research at the Department of Obstetrics, Gynecology and Reproductive Biology at Yale University for three months in 2001 and one month each year from 2004.

6. RESEARCH

I. Fields of interest

My initial research topics: The hatching of the goose fetus, the structural change of the M. complexus, the comparative anatomy of zoo animals.

The topic of my PhD dissertation: The development and functional structure of the gonads of domestic birds, with special regard to the endocrine influence of steroids and trophormones.

My current research topics:

- Neurobiology:
 - (a) I examined the synaptic connections of cells containing vasoactive intestinal polypeptide (VIP) in the cerebral cortex, VIP immunoreactive bipolar neurons in the rat visual cortex during ontogenesis and after the experimental discontinuation of the visual pathway using

immunohistochemistry tools, and the VIP immune response in the 'Barell Field' of the mouse and rat brain.

(b) The role of mitochondrial UCP2 as a neuromodulator and neuroprotector in the prevention and treatment of Parkinson's disease.

(c) Investigation of the cellular and molecular structure of certain nucleus groups involved in the regulatory mechanism of the hypothalamus. I wrote my academic doctoral dissertation at the Hungarian Academy of Sciences on the latter topic, which I defended in 2012.

- Theory of evolution: Normal and pathological development of the dog's heart.
- Macroscopic anatomy: Surgical exploratory anatomy of the dog.
- Application of modern imaging tools in veterinary anatomy: such as the cross-sectional, CT and MRI anatomy of the dog, the pig, the sheep and the horse.

II. Major foreign scientific collaborations

from 1988: Joint research at the Institute of Anatomy of the University of Cologne, the Institute of Neuroanatomy of Heinrich Heine University, Düsseldorf and the C. und O. Vogt Brain Research Institute, where I carried out a specific phase of joint research with Prof. K. Zilles and Prof. H. Schröder in the study of VIP bipolar neurons.

from 2003: At the invitation of Professors Lesnik and Danko from the Veterinary University of Košice, I undertook to write two chapters of the Slovak-language book on Medical Lymphology.

from 2000: I have been conducting joint research with Dr. Tamás Horváth (Department of Obstetrics, Gynecology and Neurobiology, Yale University School of Medicine, New Haven, CT) and we have reported the results of our research in several papers. Professor Horváth was awarded the Albert Szent-Györgyi Professorship in 2002-2003, during which he spent a year at our department and gave several lectures and is currently working as a professor at our department.

from 2004: Visiting Research Professor at Yale University.

from 2005: We started writing a textbook with the Head of the Institute of Anatomy, the University of Vienna, Professor König, and the Head of the Institute of Anatomy, the University of Munich, Professor Liebig. I am the co-author of three chapters in a textbook published in German, English and Japanese.

III. Major Hungarian inter-institutional scientific partnerships

1980-1982: Institute of Chemistry and Biochemistry II, Semmelweis University of Medicine, where we studied the static and dynamic muscles of different animal species and the placenta of birds with Dr Sándor Fazekas.

1982-1992: I studied the development and functional structure of the gonads of domestic birds, with special regard to the endocrine influence of steroids and trophormones at the Institute of Biology, Semmelweis University of Medicine, in collaboration with Professor Dr György Csaba and Associate Profesor Dr Ottó Dobozy.

from 1988: I worked together with Dr Mihály Kálmán and Dr András Csillag in neurobiological research at the Department of Anatomy and Histology I, Semmelweis University of Medicine.

from 1997: I worked with Dr László Bartosiewicz, associate professor of the Institute of Archeology, Eötvös Loránd University, to identify the normal and pathological changes of animal bone finds found in archeological excavations.

from 1998: I established a close professional relationship with the Institute of Diagnostics of the Pannon University of Agricultural Sciences and later with the University of Kaposvár, with Academician Dr Péter Horn, Professor, Dr Imre Repa, Director of the Institute and Dr Róbert Romvári, Associate Professor on the topic of "Modern Imaging Procedures? CT and MRI application of anatomical examinations in veterinary practice".

IV. Scientometrics data

- I have reported on my results in 58 publications published in or accepted by foreign and Hungarian journals, in several educational articles, and in lectures at scientific events and congresses (see the Appendix).
- I am the co-author of four books and lecture notes in Hungarian, two in German, two in English, one in Slovak and one in Japanese.
- The Anatomia canis CD-ROM I-II I made was released in Hungarian, German, English and Japanese.
- The main parameters of my publishing activity are the following (according to the attached certificate):

Impact factor:	87.819
Number of independent references:	2018
Hirsch index:	14
Number of quartile articles:	30

7. PUBLIC SCIENTIFIC ACTIVITIES

I. Membership of committees and organizational activities

from 1980: Hungarian Anatomical Society
from 1981: Dormitory teacher, mentor for foreign students
1980-1990: teacher responsible for study groups and students of a particular year
from 1982: leading of exchange students abroad and welcoming foreign exchange students
1981-1990: Oral entrance examination in biology, member of the entrance exam committee at ÁOTE, SOTE (at the latter in 1982-85)
1986: organizer, 16th European Congress of Veterinarian Anatomists
1987: organizer, 200th Jubilee Event of ÁOTE
1990: organizer, 55th MÉT Congress
from 1992: member of the jury, Students' Scientific Circle conferences
from 1993: TEMPUS JEP committee member
from 1994: representing ÁOTE in the foreign training committee of the Budapest University Association
from 1994: member of the teaching and accreditation committee
1994-1995: member of the committee responsible for developing the credit-based training program
1994-1997: education secretary of the University
1994-1999: member of Jury 2 of OTKA Agricultural Program
from 1997: member of the University Senate
from 2000: member of the Faculty Council
from 2001: President, Students' Scientific Circle
2002-2006: member of the Life Sciences College of OTKA
from 2002: member of the editorial board of Nomina Anatomica Veterinaria (N.A.V.)
2003: Chairperson of the 12th Congress of the Hungarian Anatomical Society
from 2004: President of the Subcommittee, Nomina Anatomica Veterinaria (N.A.V.)
from 2004: member of the leadership of the European Association of Anatomists
from 2004: Vice-President of the World Federation of Hungarian Anatomists
from 2007: external member of the Doctoral Committee, Semmelweis University
from 2007: representative, General Meeting, Hungarian Academy of Sciences
2008: Chairperson, 27th Congress of European Veterinarians and Anatomists
2008-2014: Vice president of the World Federation of Veterinarians and Anatomists
from 2008: Ordinary Member of the European Academy of Sciences and Art
from 2008: President of the Society for the History of Veterinary Science
from 2009: Vice President of the Hungarian Association of Equestrian Sport
2009-2017: member of the Hungarian Olympic Committee
from 2010: member of the Hungarian Association of the History of Medicine

2013: Chairperson of the 18th Congress of the Hungarian Anatomical Society
2013-2017: President of the Hungarian Anatomical Society
from 2013: President of the National Hungarian Veterinary Society
2017-2020: Vice President of the Hungarian Society of Natural Sciences
from 2019: President, Batthyány Society of Professors
from 2019: Vice President of the Eötvös Loránd Research Network

II. Scientific Rating Committee (TMB) assignments, participation in habilitation procedures and PhD training programs

In public defence procedures of CSc, PhD and DSc degrees:

- chairperson or member of the Rating Committee: 9 occasions
- official reviewer of dissertations: 13 occasions

In habilitation procedures:

- chairperson or member of the Rating Committee: 8 occasions
- official reviewer of dissertations: 3 occasions

PhD theses advisor:

- 9 occasions

8. AWARDS OTHER RECOGNITION OF PROFESSIONAL ACTIVITY

1. from 1997: Széchenyi Professorship Grant
2. Best instructor's title: 44 occasions awarded by students (from 1991)
3. 1999: Teacher of the Year title and main prize, based on the votes of students, awarded by editorial board of Diákinfó (Higher Education Students' Public Journal)
4. 2001: Apáczai Csere János Prize
5. 2002: Nagyváthy János Prize
6. 2002: Publisher's Award for Excellence
7. 2003: 'Master Teacher' Award
8. 2004: Visiting Professor at Yale University
9. 2006: Veterinarian of the Year awarded by the Chamber of Hungarian Veterinarians
10. 2008: Hungarian Veterinarian Anatomist medal
11. 2008: 120-Year Anniversary of the Hungarian Animal Health Service Award
12. 2009: doctor honoris causa of Semmelweis University
13. 2010: Hutyra Ferenc Medal
14. 2011: doctor honoris causa of the University of Kaposvár
15. 2013: honorary national guard, Association of National Guards
16. 2015: 'For the Hungarian-Arab Horse' Award
17. 2015: Kómár Prize
18. 2015: Order of Merit of the Republic of Hungary (civil division)
19. 2017: Prima Prize
20. 2018: 'Agrarian Man of the Year 2017' life achievement award
21. 2018: doctor honoris causa from Széchenyi University
22. 2018: Plósz Béla Prize
23. 2019: Széchenyi Prize

Budapest, May 11, 2020

Dr. Péter Sótónyi
professor