

2018 January

CURRICULUM VITAE



Name: Valér J. CSERNUS
Date of Birth: January 18, 1948
Place of Birth: Pécs, Hungary
Marital Status: Married, 2 children

Education:

1972 **M.D. degree**, University of Pécs, Medical School
1976 **Specialist** exam of Clinical Laboratory, Postgraduate Medical Training School, Budapest, Hungary
1978-1979 **Postdoctoral Studies**, Reproductive Neuroendocrinology, UCLA Graduate Div., Los Angeles
1987-1989 **Postdoctoral Studies**, Experimental Medicine, Div. of Graduate and Postgraduate Medical Studies, Tulane University, New Orleans
1993 **Ph.D.**, biology (neuroendocrinology), Hung. Acad.. Sci..
1996 **Dr. Habil**, medical sciences, Univ. Med. School Pécs
2001 **D.Sc.** (Doctor of the Hungarian Academy of Sciences)
2002 Full Professor (of Anatomy)

Chronology of employment, academic positions:

1969-1972 Internist, Department of Anatomy, Univ. Med. School Pécs
1972-2018 Dept. Anat., Univ. Pécs, Med. School – various ranks, (1994- full professor)
1978-1979 Ford Fellow, Brain Research Institute, UCLA, Los Angeles
1987-1989 Research Associate, Endocrine Polypeptide and Cancer Institute, Tulane University, New Orleans
1994 Martin Luther Universität, Halle-Wittenberg, Germany, visiting professor, (8 months)
1997-1998 Research Assoc. Professor, Tulane University, New Orleans
2002-2013 Chairman (Dept. Anat., Univ. Pécs, Med. School)
2002-2003 and 2006-2013 Vice dean (education) (Univ. Pécs, Med. School)
2018- Professor emeritus (Univ. Pécs)

Teaching activity:

1968-now Dept. Anat., Univ. Med. School, Pécs, Gross- and Neuroanatomy, Histology and Embryology for medical, dental and pharmacy students, 10-18 hour/week practices, and 30/50 lectures/semester in Hungarian, English and German languages.
1995-now Elective courses (2-3) for graduate, postgraduate and PhD students.
2002-2018 PhD Program director (Neuroendocrinology and neurohistology) (25 PhD diploma)

Scientific societies - memberships :

1973 Hungarian Society of Anatomists, Histologists and Embryologists (member of the presidential board)
1975 Hungarian Society of Endocrinology and Metabolism
1981 Hungarian Society of Clinical Laboratory and Diagnostics

1982	Gesellschaft für Histochemie
1990-	International Society of Endocrinology
1990-	European Federation of Endocrine Societies
1993-	Neurobiological Committee of Pécs Section of the Hungarian Academy of Sciences
1994-	European Pineal and Biological Rhythms Society
1997-	Neurobiological Committee of the Hungarian Academy of Sciences
2000-	European Society of Comparative Endocrinologists (council member)
2004-	German National Academy of Sciences (Leopoldina), regular member

Awards, scientific recognitions:

1978	IBRO Traveling Grant
1978-79	Ford Fellowship
1984	Research Award of the Hungarian Academy of Sciences
1994	Deutsche Forschungsgemeinschaft, fellowship
1997	Szechenyi professorship, Ministry of Education and Culture, Hungary
2000	DAAD fellowship, Martin Luther Universität, Halle-Wittenberg, Germany
2004	Membership of the German National Academy of Sciences (Deutsche Nationale Akademie der Wissenschaften, Leopoldina)

Regular scientific expert activities

1. Regular referee for 13 scientific journals
2. Opponent and board members of PhD and DSC thesis defenses (32)
3. OTKA (Hungarian Research Found)
4. MAB (Hungarian Accreditation Committee)
5. Evaluation of position applications (chairmanship) of Hungarian Medical Schools.
6. Membership evaluation (German National Academy of Sciences, Royal Society)
7. BBSRC (Biotechnology and Biological Sciences Research Council)
8. Research and Development Support Agency (Slovakia)
9. European Commission - Marie Curie Actions, expert and rapporteur (European FP 5-6-7-8 majd Horizont 2020 Program , Life Sciences and Environmental Sciences panels) (2004-)
10. "la Caixa" Foundation Research Team of Reviewers
11. REPRISE Expert Team member

Scientometric parameters (2017):

Scientific publications:	250 , from that:
Books, theses:	11 (5 books, 3 theses, 3 textbooks – 3 of them in Hungarian)
Book chapters:	51 (from then 5 in Hungarian, 12 in textbooks)
Sci. publications:	130 (complete, peer-reviewed, in English 115 , in Hungarian: 15)
<i>cumulative IF:</i>	318.51
Abstracts:	58 (in ISI-referred periodicals, in English 50 , in Hungarian 8)
<i>cumulative IF:</i>	68.53
<i>Gross cumulative IF:</i>	387.04
Scientific lectures:	207 (international: 113 , Hungarian: 94 , invited: 51)
Citations:	3477 / 2213 (total/alien)
Hirsch index:	31

22 scientific grants received (as principal investigator or team-member)
Organization of **5 national and international scientific conferences.**

Research Interest:

Neurohumoral control of the anterior pituitary and the pineal gland.
Mechanism and control of secretion from endocrine glands (anterior pituitary, pineal gland, gonads, pineal gland, thyroid gland).
Mechanism of circadian and seasonal biorhythms.
Mechanism of the sexual differentiation in the rat.
The mechanism of tumor growth-inhibiting action of synthetic analogs of LHRH and GHRH.
Control of the female sexual cycle and sexual behavior.
Steroid receptors in malignant tissues.
Generation and characterization of antibodies against bioactive molecules of low molecular weight.
Computer programming for biomedical research.

Applied methods:

dispersed cell superfusion / perfusion,
radioimmunoassay (steroids, peptide hormones, drugs) – based mostly on own antibodies and methodological development/improvement,
antigen- (from haptene) and antibody-preparation techniques,
radio-receptor assay,
immunohistochemistry,
nucleotide techniques (PCR, RT-PCR, blots),
various surgery/stereotaxic techniques on rats,
classic histological techniques,
electro-physiology (single cell recordings),
assessment of sexual behavior of rats.

Selected collaborations.

1. **Brain Research Institute, University of California, Los Angeles;** the effects of changes in the perinatal hormonal milieu and double brain lesions on sexual behavior and the structure of the "sexually dimorphic nucleus" of rats.
2. **Endocrine-, Polypeptide and Cancer Institute, Tulane University, New Orleans;** *in vitro* and *in vivo* studies on mechanism of tumor growth-inhibiting effects of synthetic LHRH, GHRH and somatostatin analogs.
3. **Neuroendocrine Laboratory, National Institute of Child Health and Human Development (NICHD), National Institute of Health (NIH), Bethesda, USA;** *in vitro* studies on melatonin productions from the pineal gland.
4. **World Health Organization Program for the Quality Control of RIA hormones;** head of a reference laboratory
5. **Anatomy Department, Semmelweis University, Budapest, Hungary;** neural and hormonal control of the gonads. The effect of environmental factors of the gonadal functions.

6. **Isotope Institute, Hungarian Academy of Sciences;** Developing antisera and methods for radioimmunoassay.
7. **University of Veterinary Sciences, Department of Obstetrics;** setting up and consulting steroid RIA laboratory for experimental work. Collaboration on studying rhythmic endocrine functions in various animals.
8. **Richter Gedeon Pharmaceutical Co.;** elaboration of bioassay and RIA method for determination of synthetic hormone analogs from various biological samples.
9. **Department of Obstetrics, Univ. Pécs, Department of Surgery, Baranya County Hospital;** setting up laboratory for steroid RIA. Determination of steroid receptors from human malignant tissues.
10. **Department of Microbiology, Univ. Pécs;** The role of the lymphocytes during pregnancy. Determination of steroid receptors in lymphocytes of pregnant women.
11. **Departments of Neurology, Pediatrics and Otorhinolaryngology, Univ. Pécs;** elaboration of a computer program for analyzing evoked potentials from brainstem and cortex in human patients.
12. **Martin Luther Universität (Halle, Germany), Department of Anatomy;** The mechanism and control of insulin and glucagon release from rat Langerhans islets. *In vitro* (perifusion) experiment. Setting up and consulting perifusion and RIA laboratory.
13. **Department of Clinical Pharmacology, Tübingen Universität (Germany);** The effect of the magnetic fields on melatonin secretion from the pineal gland *in vitro*. Setting up and consulting a perifusion laboratory.