

Curriculum Vitae
Dr Anikó Szabó MD, PhD
Cloned and Discovered famous HuD brain protein

Citizen of USA
Citizen of Hungary
Citizen of European Union (EU citizen)

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Contact Information

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Home in USA: Annapolis, MD, USA
Home in Riyadh: Sahara Towers Compound

Position: Assistant Professor, Department of Anatomy
Alfaisal University
Medical College
Room: B3.002
Riyadh, Kingdom of Saudi Arabia

Foreign Languages: Hungarian, English, Latin, Russian, German

Sex: Female

Marital Status: Married and have two sons

Education:

1993 Ph.D., Neuroscience Major, Biochemistry and Pharmacology Minors
Weill Cornell Graduate School of Medical Sciences, NY, NY
Memorial Sloan Kettering Cancer Center, New York City, USA
Thesis Advisor: Jerome B. Posner and Henry Furneaux
“Title of thesis”: Cloning and Characterization of HuD: a Human Brain Paraneoplastic
Antigen (**citation index is close to 500**)

1982 M.D., General Medicine, Albert Szent-Györgyi Medical School, Szeged, Hungary
Graduated with summa cum laude

Post Graduate Education and Training

1985-1986 Internship, United Nation/ UNESCO affiliated Biological Research Center, Neurobiology, Szeged, Hungary

Employment History and Academic Appointments

2013 Instructor, Anatomy and Neurobiology, University of Maryland School of Medicine

2012 Affiliate, Anatomy and Neurobiology, University of Maryland School of Medicine

2011-present Online faculty, Natural Sciences, University of Maryland University College (UMUC)

2008-present Associate professor, Anne Arundel Community College (AACC), Maryland

2007 Instructor, Human Anatomy, Harvard Medical School

2007 Research Associate, Molecular Neurobiology, McLean Hospital, Harvard Medical School

2004-2006 Associate Professor, Biology, Austin Community College (ACC), Texas

1994-2003 Full Time Mother

1985-1986 Assistant Professor, Physiology, including Neurophysiology, Albert Szent-Györgyi Medical School, Szeged, Hungary

1982-1985 Assistant Professor, Anatomy, including Neuroanatomy, Albert Szent-Györgyi Medical School, Szeged, Hungary

Professional Society Memberships

2004-2006 Member, American Association of Anatomists

2008-2011 Member, Society for Neuroscience

Honors And Awards

1991 Vincent du Vigneaud Prize, Weill Cornell Graduate School of Medical Sciences, awarded for distinguished research

1982 Award of Excellence, Albert Szent-Györgyi Medical School, Szeged, Hungary, awarded for distinguished research

1981 Award of Excellence, Albert Szent-Györgyi Medical School, Szeged, Hungary, awarded for distinguished research

Fellowship

1986-1993 Cornell Fellowship in Neuroscience, Weill Cornell Graduate School of Medical Sciences, NYC

Clinical Activities

1983-1985 Emergency, Psychiatry and Detoxiology of City Hospital, Szeged, Hungary

1982-1985 Emergency, Internal Medicine of City Hospital, Szeged, Hungary

1982-1985 Emergency, Chronic Diseases of City Hospital, Szeged, Hungary

Administrative Service

2007 Lab Manager, Molecular Neurobiology, McLean Hospital, Harvard Medical School

Institutional Service

2010-Present Job Interviewer, AACCC

2012-2013 College Catalog Editing, AACCC

Teaching Service

Undergraduate Student Teaching

2011-Present Online Professor, University of Maryland University College

Molecular Biology

Bioethics

Forensic Biology (Hybrid class)

30, biotechnology students– 12 contact hours/week

2008-Present Lecturer and Lab Teacher, Anne Arundel Community College

Human Anatomy and Physiology I-II (BIO 233 and BIO 234)

150, nursing and premed students– 6 contact hours/week

Human Biology I-II (BIO 231 and BIO 232)

50, nursing and premed students– 6 contact hours/week

Structure and Function of Human Body (BIO 230)

50, non-biology majors– 6 contact hours/week

2012-Present Online Tutoring, Anne Arundel Community College

Human Anatomy and Physiology I-II

75, nursing and premed students– 2 contact hours/week

2008-2012 Mentor, Tutoring Center, Anne Arundel Community College

20, nursing and premed students– 2-4 contact hours/week

2004-2006 Lecturer and Lab Teacher, Austin Community College
Human Anatomy (BIOL 2304/2101)
Human Physiology (BIOL 2305/2102)
Introduction to Anatomy & Physiology (BIOL 2404)
Introductory Biology (BIOL 1408)
50, nursing and premed students– 6 contact hours/week

Medical Student Teaching

2013 Cadaver Dissection Lab Instructor, Anatomy and Neurobiology,
University of Maryland School of Medicine
40, 1st year medical students - 8 contact hours/week

2012 Affiliate, Anatomy and Neurobiology, University of Maryland School of Medicine
Observation of Lectures and Dissections

2007 Small Group Discussion Leader, Human Body Course, Harvard Medical School
8, 1st year medical students - 5 contact hours/week

2007 Histology Teacher, Human Body Course, Harvard Medical School
8, 1st year medical students - 5 contact hours/week

1985-1986 Lab Teacher, Human Physiology, including Neurophysiology
Albert Szent-Györgyi Medical School, Szeged, Hungary
20, 2nd year medical students – 3 contact hours/week

1982-1985 Cadaver Dissection Lab Teacher, Human Anatomy, including Neuroanatomy
Albert Szent-Györgyi Medical School, Szeged, Hungary
20, 1st-2nd year medical students – 6 contact hours/week

1982-1985 Histology Teacher, Human Anatomy, including Neurohistology
Albert Szent-Györgyi Medical School, Szeged, Hungary
20, 1st-2nd year medical students – 4 contact hours/week

Editing Publications

2007 Harvard Medical School
2009 Hallym University, Republic of Korea

Research

- 2007 Research Associate and Lab Manager
Harvard Medical School
Molecular Neurobiology Laboratory at McLean Hospital
Stem cell research on Parkinson's animal models
- 1990-1993 Graduate student
Memorial Sloan-Kettering Cancer Center, New York City
George C. Cotzias Laboratory of Neuro-Oncology
Cloning and characterizing the 1st paraneoplastic brain protein with patients' sera
- 1986-1990 Graduate student
Weill Cornell Graduate School of Medical Sciences, NY, NY
Molecular Neurobiology Laboratory
Histochemistry, biochemistry of catecholaminergic, cholinergic neurotransmitter enzymes
- 1985-1986 Assistant Professor
Institute of Physiology at Albert Szent-Györgyi Medical School, Szeged, Hungary
Role of capsaicin in pain mediating sensory neurons with light microscopy
- 1984-1985 Fellowship in Neurobiology
Biological Research Center of the Hungarian Academy of Sciences
Established by United Nations, Szeged, Hungary
Electron Microscopic study on ganglionic synapses
- 1982-1985 Assistant Professor
Institute of Anatomy of Albert Szent-Györgyi Medical School, Szeged, Hungary
Cholecystokinin radioimmunoassay and immunohistochemistry in rat spinal cord
- 1980-1982 Researcher as a medical student
Institute of Pathophysiology at Albert Szent-Györgyi Medical School, Szeged, Hungary
Behavioral studies with cholecystokinin hormone and its fragments in rats

Animations

- 2012 Johns Hopkins School of Medicine, Neurology Clerkship
Neuropharmacology Animation Making (in progress)

Publications

Peer-reviewed journal articles

J. Liu, J. Dalmau, **A. Szabó**, M. Rosenfeld, J. Huber, and H. Furneaux
Paraneoplastic Encephalomyelitis Antigens bind to the AU-rich elements of mRNA,
Neurology, 45, 544-550, 1995

A. Szabó

Cloning and Characterization of HuD: a Human Brain Paraneoplastic Antigen,
Doctoral Dissertation
UMI Dissertation Services, May 1993

G. Manley, E. Wong, **A. Szabó**, J. Dalmau, M. Rosenfeld, and H. Furneaux
Alternative splicing and development expression of HuD and HuC,
Paper presented at the 1991 meeting on RNA Processing, Cold Spring Harbor Laboratory,
Cold Spring Harbor, New York, 1992

Dalmau J, Rosenfeld M.R, **Szabó A**, Manley G, Wong E, Posner J.B, and H. Furneaux
HuD pre-mRNA is aberrantly spliced in tumor tissue from paraneoplastic encephalomyelitis/sensory
neuropathy (PEM/SN) patients,
Neurology, 42(Suppl 3):416, 1992

A. Szabó, J. Dalmau, G. Manley, M. Rosenfeld, E. Wong, J. Henson, J.B. Posner, and
H. Furneaux
HuD, a Paraneoplastic Encephalomyelitis Antigen, contains RNA-binding Domains and Is
Homologous to Elav and Sex-lethal,
Cell, 67(2), 325-334, 1991 (citation index is close to 500)

A. Szabó, G. Manley, E. Wong, and H. Furneaux
Cloning and Characterization of a Human Brain RNA-binding protein homologous to Elav
and Sex-lethal,
Paper presented at the 1991 meeting on RNA Processing, Cold Spring Harbor Laboratory,
Cold Spring Harbor, New York, 267, May 15-May 19, 1991

A. Szabó, J. Henson, E. Wong, and H. Furneaux
Isolation and Characterization of a Brain cDNA Clone Recognized by Anti-HU Sera,
Neurology, 41(3), Suppl. 1, 364, 1991

H. Baker, C. Abate, **A. Szabó**, and T. H. Joh
Species-Specific Distribution of Aromatic L-Amino Acid Decarboxylase in the Rodent Adrenal
Gland, Cerebellum, and Olfactory Bulb,
The Journal of Comparative Neurology 305:119-129, 1991

A. Szabó, T. Kadar, M. Fekete, B. Penke, and Gy. Telegdy
Effect of Cholecystokinin Octapeptides and its Fragments on conditioned Behavior in Rats,
Kiserletes Orvostudomány (Experimental Medicine), 35, 329, 1983

M. Fekete, T. Kadar, M. Balazs, **A. Szabó**, B. Botond, and Gy. Telegdy
Behavioral Effects of Cholecystokinin Antiserum,
Kiserletes Orvostudomány (Experimental Medicine), 35, 318, 1983

M. Fekete, **A. Szabó**, M. Balazs, B. Penke, and Gy. Telegdy
Effects of Intraventricular Administration of Cholecystokinin Octapeptide Sulfate Ester and
Unsulfated Cholecystokinin Octapeptide on Active Avoidance and Conditioned Feeding Behavior
of rats,
Acta Physiol. Acad. Sci. Hung., 58, 39-45, 1981

Major Invited Speeches

International

1. **A. Szabó**, History of HuD protein, Pharmacology, Ege University, Turkey, 2013
2. **A. Szabó**, Globalized Medical Education, Hallym University Medical School, Republic of Korea, 2009
3. **A. Szabó**, History of HuD protein, Physiology, Keio University Medical School, Tokyo, Japan, 2009
4. **A. Szabó**, HuD, a Paraneoplastic Antigen, Hallym Univ Medical School, Republic of Korea, 2005
5. **A. Szabó**, Effect of 4-AP And Stimulation on Ganglionic Synapses, Beijing University, China, 1985
6. **A. Szabó**, Effect of Cholecystokinin Octapeptides and its Fragments on conditioned Behavior in Rats, Odessa, Szovjetunio, 1982
7. **A. Szabó**, Effects of Intraventricular Administration of Cholecystokinin Octapeptide Sulfate Ester and Unsulfated Cholecystokinin Octapeptide on Active Avoidance and Conditioned Feeding Behavior of rats, Varna, Bulgaria, 1981