

CURRICULUM VITAE

Aniko Keller-Pinter MD PhD



PERSONAL DATA

Date and place of birth: 6 January 1979; Szentes, Hungary

Nationality: Hungarian

Address: University of Szeged, Faculty of Medicine, Department of Biochemistry
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EDUCATION, POSITIONS

- 2007- University of Szeged, Faculty of Medicine, Department of Biochemistry, Muscle Adaptation Group, Szeged, Hungary (2016- assistant professor, 2010-2016 research fellow, 2007-2010 research assistant)
- 2003-2007 PhD student, 2nd Department of Pathology, Semmelweis University, Budapest, Hungary
- 1997-2003 Semmelweis University, Faculty of Medicine, Budapest, Hungary

QUALIFICATIONS

- 2010 PhD degree, Semmelweis University, Budapest, Hungary
graduated with "*summa cum laude*" (1506/2010)
- 2003 Doctor of General Medicine, Semmelweis University, Budapest, Hungary
graduated with "*summa cum laude*" (174/2003)

SHORT COURSES

- 2013 University Medical Centre Groningen, Department of Cell Biology (1 week)
- 29 Sept - 07 Oct 2011 „Current Methods in Cell Biology” EMBO Practical Course,
European Molecular Biology Laboratory, Heidelberg, Germany
- 20-31 Aug 2007 „Molecular Mechanisms in Signal Transduction and Cancer” FEBS Advanced Lecture
Course / Summer School, Spetses, Greece

AWARDS

- 2016 Poster award (46th Membrane Transport Conference, Sumeg, Hungary)
- 2015 National Excellence Award (awarded by the „National Excellence Program - Elaborating and operating an inland student and researcher personal support system”, Hungary)
- 2014 “Best practical teacher” award (awarded by 2nd year medical students, University of Szeged, Faculty of Medicine, Hungary)
- 2013 Zoltan Magyary Postdoctoral Fellowship (awarded by the „National Excellence Program”- Hungary)
- 2012 Nature Cell Biology best poster prize („Cell Polarity and Membrane Traffic” ESF-EMBO Symposium, Pultusk, Poland) awarded by European Science Foundation, European Molecular Biology Organization, Nature Publishing Group
- 2012 Poster award (42nd Membrane Transport Conference, Sumeg, Hungary)
- 2008 Elsevier Subscription Prize (poster prize) International 13. World Muscle Society Congress, Newcastle, UK
- 2006-2007 Fellowship of the Richter Gedeon Centenary Foundation (predoctoral fellowship, 1 year)
- 2004 Excellent Student Researcher of Semmelweis University (Budapest, Hungary)
- 2003 Students’ Scientific Conference of Semmelweis University (Budapest, Hungary), I. prize
- 2002 Semmelweis University (Budapest, Hungary) Rector’s Award I. prize
- 2002 Dr Imre Haynal award (award of Semmelweis University for clinical research, Budapest, Hungary)
- 2002 Antal Genersich Award (Hungarian award on pathology research for medical students)
- 2002 Students’ Scientific Conference of Semmelweis University (Budapest, Hungary), II. prize
- 2001 Semmelweis University (Budapest, Hungary) Rector’s Award I. prize
- 2001-2003 Fellowship of the Hungarian Republic

- 2000-2003 Student Fellowship of Budapest's Józsefváros (awarded by City Council of Budapest's Józsefváros, Hungary)
- 2001 Students' Scientific Conference of Semmelweis University (Budapest, Hungary), I. and II. prizes

TRAVEL GRANTS

- 2014 EMBO-ESF (European Molecular Biology Organization and European Science Foundation) travel grant for early stage researcher (Cell Polarity and Membrane Trafficking ESF-EMBO Conference, Pultusk, Poland)
- 2012 fellowship of the European Science Foundation („Cell Polarity and Membrane Traffic” ESF-EMBO Symposium, Pultusk, Poland)
- 2011 FEBS (Federation of European Biochemical Societies) Youth Travel Fellowship, („Actin based motility - From Molecules to Model Organisms”, EMBO/FEBS Lecture Course, Stresa, Italy)
- 2011 EMBO Travel Grant (European Molecular Biology Laboratory, „Current Methods in Cell Biology” EMBO Practical Course, Heidelberg, Germany)
- 2010 FEBS Youth Travel Fellowship („The Cytoskeleton in Development and Pathology FEBS/EMBO Lecture Course” Djuronaset, Sweden)
- 2009 fellowship of the European Science Foundation (ESF-EMBO Symposium, “Cell Polarity and Membrane Traffic”; Sant Feliu de Guixols, Spain)
- 2008 FEBS Youth Travel Fellowship ("Mechanics and Dynamics of the Cytoskeleton" Conference, Potsdam, Germany)
- 2007 EMBO Travel Grant („Invadopodia, Podosomes and Focal adhesions in Tissue Invasion”, EMBO-FEBS Workshop, Ortona, Italy)
- 2007 FEBS Youth Travel Fellowship („Molecular Mechanisms in Signal Transduction and Cancer”, Summer School, Spetses, Greece)
- 2006 EMBO travel grant („Cell Migration, Tissue Invasion and Disease” EMBO/IGB Workshop, Capri, Italy)
- 2006 FEBS Youth Travel Fellowship („FEBS Special Meeting on Molecular Signaling ”Dubrovnik, Croatia)

COMMITTEES and MEMBERSHIPS

- 2012- secretary of the Working Committee on Clinical Chemistry, Committee on Analytical Chemistry, Section of Chemical Sciences, Hungarian Academy of Sciences
- 2012- member of the Public Body of the Hungarian Academy of Sciences
- 2012- member of the European Society for Muscle Research
- 2011- member of the European Cytoskeleton Forum
- 2011- member of the Hungarian Physiological Society
- 2008- member of the World Muscle Society
- 2007- member of the Hungarian Biochemical Society

TEACHING EXPERIENCE, SUPERVISION

- 2008 - practical courses, seminars, and lectures in biochemistry for medical students (Hungarian and English program, University of Szeged, Faculty of Medicine)

Supervision of PhD students

- 2016- Zoltan Marton Kohler (1st year PhD student)
- 2015- Kitti Szabo (2nd year PhD student)
- 2011- Dr. Tamas Kocsis

Tutorship for MD thesis

- Alexandra Demcsak (2015), Csenge Csorba (2015), Beata Diosi (2015), Hanna Agota Fodor (2015), Tamas Kocsis (2011)

Tutorship for students' scientific research

- Suzina Gyulai-Nagy (2016-), Annamaria Petrilla (2016-), Daniel Becsky (2015-), Agnes Szalenko-Tokes (2014-), Alexandra Demcsak (2011-2015), Csenge Csorba (2011-2015), Beata Diosi (2011-2015), Hanna Agota Fodor (2011-2015), Flora Szanto (2014), Assaf Regev (2010-2011), Tamas Kocsis (2007-2011)

RESEARCH INTEREST

- Investigation of the molecular mechanisms regulating tissue regeneration and differentiation.
- Regulation of cell polarity and cell migration.
- Regulation of the activity of the small GTP-ases and their role in tissue differentiation.
- The role of skeletal muscle in metabolic diseases.

PUBLICATIONS

In extenso publications IF: 29.73, abstracts IF: 21,577

Citations: 133

Patents: 3

Oral presentations on scientific conferences: 24

Poster presentations on scientific conferences: 45

Abstracts: 61

In extenso publications

- Kocsis T, Trencsenyi G, Szabo K, Baán JA, Müller G, Mendler L, Garai I, Reinauer H, Deak F, Dux L, **Keller-Pintér A.** (2016) Myostatin propeptide mutation of the hypermuscular Compact mice decreases the formation of myostatin and improves insulin sensitivity. *Am J Physiol Endocrinol Metab* DOI: 10.1152/ajpendo.00216.2016
- Kocsis T, Baán J, Müller G, Mendler L, Dux L, **Keller-Pintér A** (2014) Skeletal muscle cellularity and glycogen distribution in the hypermuscular Compact mice. *Eur J Histochem.* 58:169-75.
- Deák F, Mátés L, Korpos É, Zvara Á, Szénási T, Kiricsi M, Mendler L, **Keller-Pinter A**, Ózsvári B, Juhász H, Sorokin L, Dux L, Mermod N, Puskás LG, Kiss I (2014) Extracellular matrilin-2 deposition controls the myogenic program timing during muscle regeneration. *J Cell Sci.* 127:3240-56.
- Baán JA, Kocsis T, **Keller-Pintér A**, Müller G, Zádor E, Dux L, Mendler L (2013) The Compact mutation of myostatin causes a glycolytic shift in the phenotype of fast skeletal muscles. *J Histochem Cytochem* 60:889-900.
- Letoha T, Kolozsi C, Ekes C, **Keller-Pinter A**, Kusz E, Szakonyi G, Duda E, Szilák L. (2013) Contribution of Syndecans to Lipoplex-Mediated Gene Delivery. *Eur J Pharm Sci.* 49:550-5.
- Keller-Pinter A**, Bottka S, Timar J, Kulka J, Katona R, Dux L, Deak F, Szilak L. (2010) Syndecan-4 promotes cytokinesis in a phosphorylation-dependent manner. *Cell. Mol. Life Sci.* 67: 1881–94.
- Letoha T, **Keller-Pintér A**, Kusz E, Kolozsi C, Bozsó Z, Tóth G, Vizler C, Oláh Z, Szilák L. (2010) Cell-penetrating peptide exploited syndecans. *Biochim Biophys Acta.* 1798: 2258–65.
- Kulka J, Tőkés A-M, Kaposi-Novák P, Udvarhelyi N, **Keller A**, Lotz G, Schaff Zs. (2006) Detection of HER-2/neu Gene Amplification in Breast Carcinomas Using Quantitative Real-time PCR – A Comparison with Immunohistochemical and FISH Results. *Path Oncol Res*, 12: 197-204.

Patents

- Szilak L, **Keller-Pinter A**, Letoha T, Timar J. „Intracellular targeting of molecules” WO/2008/010162, PCT/IB2007/052787, EU: EP 2078195; US: US20090305329, title has been changed: Intracellular targeting of molecules via syndecan-4
- Szilak L, **Keller-Pinter A**, Letoha T, Timar J. „Syndecan-4 a regulator of Rac1-GTP” WO/2010/010532, PCT/IB2009/053218; EU: EP 20090786696, USA: US 20110124572
- Szilak L, Katona R, **Keller-Pinter A**, Letoha T, Timar J. „Angiostatin Chimeras and Uses Thereof” EP121553689; US 61/598371