

OPEN CALL



**Abstract Selection
Committee
Member-
Basic Science
2015-2018**



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APPLICATION FORM

for Abstract Selection Committee Member (representing Basic Science) of the European
 Pancreatic Club (EPC)

1	Personal data	Name: Andrea Geisz Username (www.e-p-c.org): andrageisz Country: U.S.A. National Society: American Pancreatic Association
2	Membership	List of years when the applicant was member of EPC (if applicable): 2012, 2013 List of years when the applicant attended the annual EPC meeting (if applicable): 2011, 2012, 2013 List of years when the applicant had communication(s) at the annual main or satellite EPC meeting: 2012, 2013
3	Publications	List of the best 5 original/review papers in international journals: 1. A. Geisz , P. Hegyi, M. Sahin-Tóth: <i>Robust autoactivation, chymotrypsin C independence and diminished secretion define a subset of hereditary pancreatitis associated cationic trypsinogen mutants</i> . FEBS J. 2013 Jun;280(12):2888-99. doi: 10.1111/febs.12292. Epub 2013 May 16. 2. M. Czepán, Z. Rakonczay Jr, A. Varró, I. Steele, R. Dimaline, N. Lertkowitz, J. Lonovics, A. Schnúr, G. Biczó, A. Geisz , G. Lázár, Z. Simonka, V. Venglovecz, T. Wittmann, P. Hegyi: <i>NHE1 activity contributes to migration and is necessary for proliferation of human gastric myofibroblasts</i> . Pflugers Arch. 2012 Mar;463(3):459-75. Epub 2011 Dec 6. 3. P. Pallagi, V. Venglovecz, Z. Rakonczay Jr, K. Borka, A. Korompay, B. Ózsvári, L. Judák, M. Sahin-Tóth, A. Geisz , A. Schnúr, J. Maléth, T. Takács, M. A. Gray, B. E. Argent, J. Mayerle, M. Lerch, T. Wittman, P. Hegyi: <i>Trypsin reduces pancreatic ductal bicarbonate secretion by inhibiting CFTR Cl</i>

		<p><i>channels and luminal anion exchangers</i>. Gastroenterology. 2011 Dec;141(6):2228-2239.e6. Epub 2011 Sep 3.</p> <p>4. M. T. Joergensen, A. Geisz, K. Brusgaard, O. B. S. Muckadell, P. Hegyi, A. Gerdes, M. Sahin-Tóth: <i>Hereditary pancreatitis caused by an itragenic duplication affecting the activation peptide of human cationic trypsinogen (PRSSI)</i>. Epub Pancreas 2011 May;40(4):540-6.</p> <p>5. D. Zádori, A. Geisz, E. Vámos, L. Vécsei, P. Klivényi: <i>Valproate ameliorates the survival and the motor performance in a transgenic mouse model of Huntington's disease</i>. Pharmacol Biochem Behav. 2009 Nov;94(1):148-53. Epub 2009 Aug 19</p>
4	Previous positions at EPC or UEG	

The applicant confirms that she/he

- has read the Open call for Abstract Selection Committee Member (Basic Science) position and fully accept its content
- has adequate time resources for volunteer work
- has good command of spoken and written English



Andrea Geisz
Name

5/1/2014
Date

Andrea Geisz

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Post-doctorate in biomedical research, investigating the role of human pancreatic proteases and their contribution to the pathogenesis of pancreatitis.

EDUCATION

- **2013: Ph.D. student**, First Department of Medicine, Medical School, University of Szeged, Hungary
- **2009: MSc Szeged**, University of Szeged, Faculty of Natural Sciences, Biology, Hungary

PROFESSIONAL POSITIONS

- **2013: post-doctoral associate**: The role of proteases in pancreatitis. Boston University Medical Center, Department of Molecular and Cell Biology
- **2009: research scholar**: The role of proteases in pancreatitis. Boston University Medical Center, Department of Molecular and Cell Biology
- **2007: MSc diploma work**: The effects of valproate in a transgenic mouse model of Huntington's disease. University of Szeged, Department of Neurology

RESEARCH EXPERIENCE

- **Molecular biology**: Recombinant DNA techniques, PCR, mutagenesis, cloning, heterologous expression
- **Protein biochemistry and enzymology**: Protein purification, Chromatography, Enzymatic assays, Western blot, SDS-PAGE
- **Cell culture**: Plasmid and adenovirus based transient transfection
- **Animal models**: Behavioural tests, intravenous, intraperitonealis and subcutan injections of mice

PUBLICATIONS

- L. V. Kemény, A. Schnúr, M. Czepán, Z. Rakonczay Jr, E. Gál, J. Lonovics, G. Lázár, Z. Simonka, V. Venglovecz, J. Maléth, L. Judák, I. B. Németh, K. Szabó, J. Almássy,

L. Virág, **A. Geisz**, L. Tiszlavicz, D. I. Yule, T. Wittmann, A. Varró, P. Hegyi. *Na⁺/Ca²⁺ exchangers regulate the migration and proliferation of human gastric myofibroblasts*. Am J Physiol Gastrointest Liver Physiol. 2013 Oct 15;305(8):G552-63. doi: 10.1152/ajpgi.00394.2012. Epub 2013 Aug 1.

- **A. Geisz**, P. Hegyi, M. Sahin-Tóth: *Robust autoactivation, chymotrypsin C independence and diminished secretion define a subset of hereditary pancreatitis associated cationic trypsinogen mutants*. FEBS J. 2013 Jun;280(12):2888-99. doi: 10.1111/febs.12292. Epub 2013 May 16.
- M. Czepán, Z. Rakonczay Jr, A. Varró, I. Steele, R. Dimaline, N. Lertkowitz, J. Lonovics, A. Schnúr, G. Biczó, **A. Geisz**, G. Lázár, Z. Simonka, V. Venglovecz, T. Wittmann, P. Hegyi: *NHE1 activity contributes to migration and is necessary for proliferation of human gastric myofibroblasts*. Pflugers Arch. 2012 Mar;463(3):459-75. Epub 2011 Dec 6.
- P. Pallagi, V. Venglovecz, Z. Rakonczay Jr, K. Borka, A. Korompay, B. Ózsvári, L. Judák, M. Sahin-Tóth, **A. Geisz**, A. Schnúr, J. Maléth, T. Takács, M. A. Gray, B. E. Argent, J. Mayerle, M. Lerch, T. Wittman, P. Hegyi: *Trypsin reduces pancreatic ductal bicarbonate secretion by inhibiting CFTR CL⁻ channels and luminal anion exchangers*. Gastroenterology. 2011 Dec;141(6):2228-2239.e6. Epub 2011 Sep 3.
- M. T. Joergensen, **A. Geisz**, K. Brusgaard, O. B. S. Muckadell, P. Hegyi, A. Gerdes, M. Sahin-Tóth: *Hereditary pancreatitis caused by an itragenic duplication affecting the activation peptide of human cationic trypsinogen (PRSS1)*. Epub Pancreas 2011 May;40(4):540-6.
- D. Zádori, **A. Geisz**, E. Vámos, L. Vécsei, P. Klivényi: *Valproate ameliorates the survival and the motor performance in a transgenic mouse model of Huntington's disease*. Pharmacol Biochem Behav. 2009 Nov;94(1):148-53. Epub 2009 Aug 19

CONFERENCES

- Annual conference of Hungarian Pancreatic Study Group 2013 Szeged, Hungary, oral presentation
- Annual conference of the American Pancreatic Association 2013 Miami, USA, poster presentation, poster of distinction
- Annual conference of the European Pancreatic Club 2013 Zurich, Switzerland, poster presentation
- Annual conference of the Hungarian Society of Gastroenterology 2013 Tihany Hungary, oral presentation

- Annual conference of the European Pancreatic Club 2012 Prague Czech Republic, oral and poster presentation
- Annual conference of the Hungarian Society of Gastroenterology 2012 Tihany Hungary, oral presentation
- 75th Anniversary of Albert Szent-Györgyi's Nobel Prize Award 2012 Szeged Hungary, poster presentation, organizer
- United European Gastroenterology Week 2011 Stockholm Sweden, oral presentation
- Annual conference of the Hungarian Society of Gastroenterology 2011 Tihany Hungary, oral presentation
- IRWAP 2011 Szeged Hungary, poster presentation
- Pancreas fest 2010 Pittsburgh USA, oral presentation
- Annual conference of the Hungarian Society of Gastroenterology 2010 Tihany Hungary, oral presentation
- Digestive Disease Week 2010 New Orleans USA, poster presentation, poster of distinction

LANGUAGES

- English: Full professional proficiency.
- Hungarian: Mother native tongue.
- Italian: Limited professional proficiency.