

OPEN CALL



President 2017



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APPLICATION FORM

for President of the European Pancreatic Club (EPC)

1	Personal data	Name: Dr. Gábor Varga Username (www.e-p-c.org): Varga Country: Hungary National Society: Hungarian Pancreatic Society
2	Membership	List of years when the applicant was member of EPC: 1981 - present List of years when the applicant attended the annual EPC meeting: 1981-2005 yearly except 1990, 1991, 2002 2007, 2009, 2013 List of years when the applicant submitted (as first or last author) an abstract(s) for the annual EPC meeting: 1981-2005 yearly except 1990, 1991, 2002 2007, 2009, 2013
3	Publications	List of the best 5 original/review papers in international journals: Varga G, Papp M, Hársing LG, Tóth IE, Gaál Gy, Somogyi GT, Vizi ES, 1984. Neuroeffector transmission of the hepatic and pancreatoduodenal isolated arteries of the dog. Gastroenterology 87: 1056-1063. Rác GZ, Kittel A, Riccardi D, R. Case RM, Elliott AC, Varga G 2002. The extracellular calcium-sensing receptor in human pancreatic cells. Gut, 51: 705-711 Racz GZ, Szücs Á, Szilávik V, Vág J, Burghardt B, Elliott AC, Varga G, 2006. Possible role of duration of PKC-induced ERK activation in the effects of agonists and phorbol esters on DNA synthesis in Panc-1 cells. J Cell Biochem 98: 1667-1680 Szücs Á, Demeter I, Burghardt B, Óvári G, Case RM, Steward MC, Varga G. Vectorial bicarbonate transport by Capan-1 cells: a model for human pancreatic ductal secretion. Cell Physiol Biochem 18: 253-264, 2006 Demeter I, Hegyesi O, Nagy AK, Case RM, Steward MC, Varga G, Burghardt B: Bicarbonate transport by the human pancreatic ductal cell line HPAF, Pancreas, 38(8): 913-20, 2009 Rakonczay Z Jr, Vág J, Földes A, Nagy K, Nagy A, Hegyi P, Varga G, Chronic inflammation in the pancreas and salivary glands - lessons from similarities and differences in pathophysiology and treatment modalities, Curr Pharmaceutical Design, under review
4	Previous positions at EPC or UEG	1992-1995 EPC Board Member 1995 United European Gastroenterology Federation, Budapest, board meeting host 1999-2004 United European Gastroenterology Week, abstract selection reviewer
5	Conference Venue	Theoretical Building, Semmelweis University, Budapest, Hungary July 5-8, 2017

6	Hotels	Planned official conference hotels: Hotel Mercure City Center Budapest 4* Hotel Mercure Budapest Korona 4* a large number of 5*, 4* and 3* hotels available Approximate price 5*: 220 Euros/night 4*: 90-120 Euros/night 3*: 70-90 Euros/night (low budget accommodation is also available)
7	Transport from the airport	Budapest Liszt Ferenc International Airport (previously known as Ferihegy Airport) is approximately 15 km to city center (about 20 min). Means of transport to hotels and conference venue: Taxi – 20 Euros one way Minibus – 6 Euros one way Public transportation – 2 Euros one way
8	Additional scholarship	We plan to accumulate funding for additional scholarship over the constitutionally established EPC scholarships. The level of this can only be decided approximately one year before the meeting, based on available sponsorship and other arrangements.

The applicant confirms that she/he

- has read the Open call for President of the EPC and the rules and general terms and conditions of the annual EPC meetings and fully accepts its content
- has adequate time resources for volunteer work
- has good command of spoken and written English
- is available for two council meetings per year for 3 years



Professor Gabor Varga
Name

Budapest, 2013. April 29
Date

Mission statement – Gábor Varga

Dear colleagues,

It would be a pleasure for me to welcome you to Budapest, Hungary to the EPC Meeting in 2017.



Such a meeting in Hungary is not an unprecedented event in Hungary. In 1988, Professor Miklós Papp organized the EPC meeting in Budapest, just before the iron curtain fall off between West and East. To me that was a great event since I personally was heavily involved, as the most immediate young associate of the organizer. Then I also had a very joyful and scientifically rich conference of the Club in Szeged in 2009, with which I can hardly compete. The only thing that I can promise is that I will try to get close to those events if I receive the honor to become responsible for the EPC conference in Budapest in 2017. To achieve this, I plan to involve not only my immediate colleagues, but also fellow clinicians from our university as well as colleagues from the other Hungarian universities, particularly those in Medical School in Szeged.

The meeting will be an important event in European pancreatology and related areas, where basic scientists and clinician specialists can exchange ideas and novel research findings, and also deepen their scientific knowledge. We plan to provide the opportunity for participants to get first-hand information on new developments, current and future trends and will additionally provide an ideal opportunity for international networking. The planned venue at the *Theoretical Building of Semmelweis University* sets the stage for science, clinical practice and industry to unite in professional advancement.

As we plan, the conference will cover all hot basic science and clinical science topics that are in the scope of pancreatology, giving a good balance of the basic and the clinical side, and also emphasizing the mutuality of them. It will be organized around scientific symposia, workshops, plenary lectures, oral sessions and poster sessions, all of this according to the rules of EPC.

We are aware of the recent financial crisis and the subsequent difficulties that affect many universities and professionals in Europe today. This may be also the case for travelling to EPC meetings. Therefore, the organizers will make all efforts to provide considerable support to young researchers through as many EPC travel stipends as possible, just as it happened in the past, and also accumulate additional funding to widen the scholarship program.

We will work hard to ensure the success of the EPC Meeting in Budapest not only providing a great scientific program, but also providing a good basis for the traditional cultural aspects of EPC, as well. When making your decision, please consider that Budapest is one of the most beautiful European cities, with plenty to see and plenty to do besides cultivating science.

Yours sincerely,



Gábor Varga

Short curriculum vitae of Dr. Gábor Varga

Citizenship: Hungarian

Place and date of birth: Budapest, 02. 22. 1956

Marital status: married, 4 children

Home address: Pasareti ut 171, 1026 Budapest, Hungary

Phone office: +36 1 210 4415

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Qualification:

1975-1980 Eötvös Loránd University, Budapest, University degree: general biologist (MSc)

1986 Eötvös Loránd University, Budapest, University degree: Ph.D. in physiology

1992 Hungarian Academy of Sciences: "candidate of biological sciences" in physiology

1998 Semmelweis University: "dr. habil" degree in physiology and oral biology

2001 Hungarian Academy of Sciences: doctor of sciences (DSc) in theoretical medicine

Employment

1980-2002: Institute of Experimental Medicine, Hungarian Academy of Sciences.

Research associate (1980-1991)

Assoc. Head of GI Research Group (1991-1992)

Head of GI Research Laboratory (1993-2002)

2002-present: Department of Oral Biology, Faculty of Dentistry, Semmelweis University

Professor and Chair of the Department

Chair of the Molecular Oral Biology Research Group

Fellowships

1983-1984 7 months, supported by NAS, T.E. Solomon, Univ Missouri, Columbia MO

1984-1994 several 1-6 week-long exchange visits, C. Scarpignato, Univ Parma, Italy

1986 1 month, exchange program, S.J. Konturek, Dept Physiol, Univ Krakow, Poland

1989-91 25 months, Fogarty Fellowship, NIH, T.E. Solomon, Univ Kansas, Kansas City KS

1996 2 months, Royal Soc. fellowship, R.M. Case, School Biol. Sci, Univ. Manchester, UK

1997 2 months, DAAD fellowship, T.M. Gress, Dept. Medicine, Univ. Ulm, Germany

2006 3 months, NIH scholarship, B.J. Baum, NIH, NIDCR, Bethesda MD

Awards

1984 Youth Award, Hungarian Academy of Sciences

1986 Youth Award, Hungarian Academy of Sciences

1989 Fogarty fellowship, NIH

1992 Madaus Foundation Award, Hungarian Gastroenterological Association

1994 Award for Outstanding Research Communication, United European Gastroenterological Federation

1998-2001 Széchenyi Professzorial Award, Hungarian Ministry of Education

1999 Kuntz Foundation Award, Hungarian Gastroenterological Association

1999 Private Professor, Semmelweis Medical University

2000 Simor János Award: „Pro optimo merito in pancreatioco-oncologica”, Hungarian Academy of Sciences, Medical Board

2004 Tóth Károly Memorial Award, University of Szeged, Szeged Dental Education Fund

2005 Memorial Award for education, research and public activities, Semmelweis University

2005 Professor Emeritus, Medical University of Targu Mures, Rumania

2008 Outstanding tutor for student research, Semmelweis University

2011 Hetenyi Memorial Award, Hungarian Gastroenterological Society

2011 Master Educator, Hungarian National Council for University Student Research

2012 Arkovy Memorial Award, Semmelweis University

Conference organization

1988 European Pancreatic Club Congress., Budapest member of the Local Org. Committee

1995 United European Gastroenterology Federation, Budapest, Board Meeting host

1996-2002 United European Gastroenterology Week, abstract selection reviewer

1996-present, Hungarian Gastroenterological Association program selection committee
1998 International Symposium on Human Minor Salivary Glands, Budapest, scientific secretary
1999 Congress of the European Pharmacological Association, Budapest, symposium organiser
2011 President of the International Association of Dental Research (IADR) CED-NOF Joint Congress in Budapest

Hungarian and International Boards:

1992-1995 European Pancreatic Club, board member
1992-present, member of the council of the Hungarian Gastroenterological Association
1992-1996 Pancreas Section of Hungarian Gastroenterological Association, secretary
1996-present, Hungarian Gastroenterological Association, Research Forum president
1996-present, Ministry of Health, SCientific Research Council, member of the committee for Metabolism, Gastroenterology and Nutrition
2003-present, council member of the Hungarian Physiological Society
2005-2007 Oral Diseases, editorial board member
2008-2010 IADR Continental European Division, board member
2010-2012 president, IADR Continental European Division
2012-2013 past-president, IADR Continental European Division

Research interest:

I am originally a research physiologist engaged in epithelial function. For about 20 years my major focus was on the pancreas, working as a full time researcher. In 2002 I was appointed to the Department of Oral Biology, Semmelweis University, Budapest, where I am the chairman of the department since then. My research gradually widened to the salivary field with special attention on the molecular physiology of salivary cell differentiation and electrolyte and water transport. Besides working with primary culture of human epithelial cells, we also work on stem cell/progenitor cell isolation, culture and differentiation of tissues from epithelial origin and mesenchymal origins. Our present research focuses on signaling, gene expression, differentiation and electrolyte transport in cells of epithelial origin, and the application of mesenchymal stem cells of for biological regeneration of hard an soft tissues.

Research grants as principal investigator

2010-2013, Hungarian National Development Agency (NFU) TAMOP-4.2.2.B-10/B-10/1-2010-0013, Semmelweis University Magister Program – Epithelial and mesenchymal tissue engineering and related research, subprogram

2010-2013, Hungarian Scientific Research Fund (OTKA), grant I.D.: OTKA-NKTH CK80928, Postnatal stem cells, signals and scaffolds for tissue engineering

2010-2013, Hungarian National Development Agency (NFU) TAMOP-4.2.1.B-09/1/KMR-2010-0001, Semmelweis Research University: 2. Nanotechnology Modul 5. Program - Artificial biological tissue engineering and gene therapy corrections

2007-2010, Hungarian Scientific Research Fund (OTKA), grant I.D.: OTKA-NKTH NI69008, Human salivary gland model for exploring the molecular mechanisms of epithelial secretion and for developing gene delivery techniques

2006-2008, Hungarian Scientific Research Fund (OTKA), grant I.D.: OTKA IN67250, Isolation and characterisation of postnatal stem cells of dental origin

2006-2008, Hungarian Scientific Research Fund (OTKA), grant ID: OTKA K61543, Isolation and characterisation of postnatal stem cells

2006-2008, Hungarian Ministry for Health Research Fund, grant ID: 332/2006, Studies on stem cells modified by gene transfer

2004-2008, Hungarian Scientific Research Fund (OTKA), grant ID: OTKA K46511, Secretary function of salivary glands in normal and pathological conditions with especial regard to the hyposalivation

2004-2008, European Union COST B23 Program, Joint research and conferences, Oral Facial Development and Regeneration, Hungarian PI

2005-2007, The Royal Society – Hungarian Academy of Sciences, grant ID: 2004/R3-EU, Molecular physiology of pancreatic and salivary bicarbonate and phosphate secretion

2005-2006, Hungarian Scientific Research Fund (OTKA), grant ID: OTKA PU50102, Possible role of duration of PKC-induced ERK activation in the effects of agonists and phorbol esters on DNA synthesis in Panc-1 cells

2005-2006, OM, grant ID: PÁL 114/2005 postdoctoral research support to continue research on isolation of postnatal stem cells of dental origin

2003-2006, Hungarian Academy of Sciences – Semmelweis University - foundation and operation of Molecular Epithelial Research Group, head of research group

2003-2005, Hungarian Ministry for Health Research Fund, grant I.D.: 350/2003: Studies on cell and molecular level on epithelial function

2002-2004, The Wellcome Trust Collaborative Research Initiative Grant, Molecular physiology of epithelial function in human pancreas

2001-2004, Hungarian Scientific Research Fund (OTKA), grant I.D.: OTKA T034241, Complex changes in gene expression of pancreatic tissue - role of bioactive regulatory peptides in normal and transformed cells

2000-2002, Hungarian Ministry for Health Research Fund, grant I.D.: 271/2000, Regulatory peptides in the control of pancreatic and salivary secretion

1998-2001, The Wellcome Trust Collaborative Research Initiative Grant, grant I.D.: 052829, Regulation of pancreatic duct cell secretion, Hungarian PI

1998-2001, Hungarian National Committee for Technological Development, grant I.D.: EU-98-D9-065, Differential expression of tumour suppressor genes and oncogenes in pancreatic carcinoma

1998-2001, The INCO program of the European Commission, grant I.D.: ERB IC20-CT98-0202, Disease genes in pancreatic cancer, Hungarian PI

1997-2000, Hungarian Scientific Research Fund (OTKA), grant ID: OTKA T022401, Role of gastrointestinal peptides in the regulation of gut secretory and motor function

1997-1999 Hungarian Medical Research Council (ETT), Comparative investigations on salivary and pancreatic ductal and acinar cells

1996-1999 UK-Hungarian Joint Fund (GB-58/96, OMFB and British Council): Physiological and cellular regulation of digestive secretory fluids – a multidisciplinary approach, Hungarian PI

1996-1997 Academy Research Program (96-219/63): Effect of lectins in gastrointestinal function and motility – a multidisciplinary approach

1995-98 Hungarian Scientific Research Fund (OTKA), grant I.D.: OTKA 017104, Gene expression changes in normal and transformed pancreas

1994-1996 European Union - EU BIOMED1 PECO program: Establishment of Eastern and Central Europe pancreatic cancer reference library system as a part of the European Pancreatic Cancer Reference Library System (EPCRLS), Hungarian PI

1992-1994 Zsigmond Diabetes Found: Adrenergic and peptidergic mechanisms in regulation of insulin secretion from the pancreas

1992-1996 Hungarian Scientific Research Fund (OTKA), grant I.D.: OTKA T5429, Bioactive peptides in the regulation of pancreatic and gastric function

1989-1991 Fogarty fellowship, NIH, 2 years research on pancreatic physiology, in University of Kansas, Kansas City, KS, recipient (Tutor Sr. Travis Solomon)

1984 Mid-Missouri Gastroenterology Research Fund, 3 months fellowship, research on pancreatic physiology, in University of Missouri, Columbia, MO, recipient (Tutor Sr. Travis Solomon)

1983 National Academy of Sciences, exchange program fellowship, research on epithelial physiology in University of Missouri, Columbia, MO, recipient (Tutor Sr. Travis Solomon)

Dr. Gábor Varga - Selected in extenso publications

- Varga G, Papp M, Hársing LG, Tóth IE, Gaál Gy, Somogyi GT, Vizi ES, 1984. Neuroeffector transmission of the hepatic and pancreatico-duodenal isolated arteries of the dog. *Gastroenterology* 87: 1056-1063
- Varga G, Scarpignato C, Papp M. Inhibition of pancreatic secretory and trophic response to caerulein by the H2-receptor antagonist ranitidine in the rat. *Digestion*. 1985;31(4):177-82.
- Varga G, Kiss JZ, Papp M, Vizi ES, 1986. Vasoactive intestinal peptide may participate in the vasodilation of the dog hepatic artery. *Am J Physiol* 251(2 Pt 1):G280-4.
- Papp M, Dobronyi I, Varga G, Scarpignato C, 1987. Bombesin promotes pancreatic growth in suckling rats. *Experientia*. 15;43(2):201-2.
- Varga G, Papp M, Dobronyi I, Scarpignato C, 1988. Effect of bombesin and its mammalian counterpart, GRP, on exocrine pancreas in the rat. *Digestion*. 41(4):229-36.
- Scarpignato C, Varga G, Dobronyi I, Papp M 1989. Effect of a new potent CCK antagonist, lorglumide, on caerulein- and bombesin-induced pancreatic secretion and growth in the rat. *Br J Pharmacol*. 96(3):661-9.
- Varga G, Papp M, Vizi ES, 1990. Cholinergic and adrenergic control of enzymes secretion in isolated rat pancreas. *Dig Dis Sci*. 35(4):501-7
- Varga G, Reidelberger RD, Liehr RM, Bussjaeger LJ, Coy DH, Solomon TE, 1991. Effect of potent bombesin antagonist on exocrine pancreatic secretion in rats. *Peptides* 12: 493-497
- Varga G, Campbell DR, Bussjaeger LJ, Solomon TE, 1993. Role of gastrin and cholecystokinin receptors in regulation of peptone-stimulated gastric acid secretion in conscious rats. *Eur J Pharm* 250: 37-42.
- Reidelberger RD, Varga G, Liehr R-M, Castellanos DA, Rosenquist GL, Wong HC, Walsh JH, 1994. Cholecystokinin suppresses food intake by a non-endocrine mechanism in rats. *Am J Physiol* 267: R901-R908
- Varga G, Adrian TE, Coy DH, Reidelberger RD, 1994. Bombesin receptor subtype mediation of gastroenteropancreatic hormone secretion in rats. *Peptides* 15: 713-718
- Scarpignato C, Kisfalvi I, D'Amato M, Varga G, 1996. Effect of dexloxiglumide and spiroglumide, two new CCK-receptor antagonists, on gastric emptying and pancreatic secretion in the rat: evaluation of their receptor selectivity in vivo. *Aliment Pharmacol Ther* 10: 411-419.
- Lohinai Zs, Burghardt B, Zelles T, Varga G, 1997. The effect of L-arginine/nitric oxide pathway on salivary amylase and fluid secretion in conscious rats. *J Physiol (Paris)*, 91: 217-221.
- Müller-Pillasch F, Lacher U, Wallrapp C, Micha A, Zimmerhackl F, Hameister H, Varga G, Friess H, Büchler M, Villa MR, Adler G, Gress TM, 1997. Cloning of a gene highly overexpressed in cancer coding for a novel KH-domain containing protein. *Oncogene* 14: 2729-2733.
- Müller-Pillasch F, Zimmerhackl F, Lacher U, Hameister H, Friess H, Büchler M, Varga G, Adler G, Gress TM, 1997. Cloning of novel transcripts of the human guanine-nucleotide-exchange factor Mss4: in situ chromosomal mapping and expression in pancreatic cancer. *Genomics*, 46: 389-396
- Müller-Pillash F, Wallrapp C, Bartels K, Varga G, Friess F, Büchler M, Adler G, Gress TM, 1998. Cloning of a new Kunitz-type protease inhibitor overexpressed in pancreatic cancer. *Biochim Biophys Acta - Gene Struct Express* 1395(1):88-95
- Milusheva EA, Kortezova NI, Mizhorkova ZN, Papasova M, Coy DH, Bálint A, Vizi ES, Varga G 1998. Role of different bombesin receptor subtypes mediating contractile activity in cat upper gastrointestinal tract. *Peptides* 19: 549-556
- Varga G, Kisfalvi K, Pelosini I, D'Amato M, Scarpignato C, 1998. Different actions of CCK on pancreatic and gastric growth in the rat: effect of CCK-A receptor blockade. *Br J Pharmacol* 124: 435-440

- Lohinai Zs, Burghardt B, Zelles T, Varga G, 1999. Nitric oxide modulates salivary fluid and amylase, but not epidermal growth factor secretion in conscious rats. *Life Sciences*, 64: 953-963
- Varga G, Kordás K, Burghardt B, Gacsályi I, Szénási G, 1999. Effect of deramciclone, a new 5-HT receptor antagonist, on cholecystokinin-induced changes in rat gastrointestinal function. *Eur J Pharmacol*, 367: 315-323.
- Blazsek J, Varga G, 1999. Secretion from minor salivary glands following ablation of the major salivary glands in rats. *Arch Oral Biol*, 44 (Suppl 1): S45-S48.
- Gresz V, Burghardt B, Ferguson CJ, Hurley PT, Takács M, Nielsen S, Varga G, Zelles T, Case RM, Steward MC, 1999. Expression of aquaporin 1(AQP1), water channels in human labial salivary glands. *Arch Oral Biol*, 44 (Suppl 1): S53-S59.
- Zelles T, Boros I, Varga G, 1999. Membrane-stretch and salivary glands – facts and theories. *Arch Oral Biol*, 44 (Suppl 1): S67-S71.
- Solomon TE, Varga G, Zeng N, Wu SV, Walsh JH, Reeve JR, 2001. Different actions of secretin vs gly-extended secretin predict secretin receptor subtypes. *Am J Physiol* 280: G88-94
- Gresz V, Kwon TH, Hurley PT, Varga G, Zelles T, Nielsen S, Case RM, Steward MC, 2001. Identification and localization of aquaporin water channels in human salivary glands. *Am J Physiol* 281: G247-54
- Burghardt B, Wenger C, Barabás K, Rácz G, Oláh A, Flautner L, Coy DH, Gress TM, Varga G, 2001. GRP-receptor-mediated signal transduction, gene expression and DNA synthesis in human pancreatic adenocarcinoma cell line HPAF. *Peptides* 22: 1119-1128
- Szalmay G, Varga G, Kajiyama F, Yang X-S, Lang TF, Case RM, Steward MC, 2001. Bicarbonate and fluid secretion evoked by cholecystokinin, bombesin and acetylcholine in isolated guinea-pig pancreatic ducts. *J Physiol (London)* 535: 795-807
- Kisfalvi I Jr, Rácz G, Bálint A, Máté M, Oláh A, Zelles T, Vizi ES, Varga G, 2001. Effects of putative galanin antagonists M35 and C7 on rat exocrine pancreas. *J Physiol Paris*.95(1-6):385-9
- A Kittel, M Garrido, G Varga, 2002. Localization of NTPDase1/CD39 in normal and transformed human pancreas *J Histochem Cytochem*, 50: 549-56
- Rácz GZ, Kittel A, Riccardi D, R. Case RM, Elliott AC, Varga G 2002. The extracellular calcium-sensing receptor in human pancreatic cells. *Gut*, 51: 705-711
- Burghardt B, Elkaer ML, Kwon TH, Racz GZ, Varga G, Steward MC, Nielsen S, 2003. Distribution of aquaporin water channels AQP1 and AQP5 in the ductal system of the human pancreas. *Gut*. 52:1008-16.
- Varga G, Bálint A, Burghardt B., D'Amato M 2004, Involvement of endogenous CCK and CCK₁ receptors in colonic motor function *Br J Pharmacol*, 141:1275-84
- Kordás K, Sperlág B, Tihanyi T, Topa L, Steward MC, Varga G, Kittel A, 2004. ATP and ATPase secretion by exocrine pancreas in rat, guinea-pig and man. *Pancreas*, 29: 53-60
- Hegyí P, Rakonczay Z Jr., Tiszlavicz L, Varró A, Tóth A, Rácz G, Varga G, Gray MA, Argent BE, 2005. Protein kinase C mediates the inhibitory effect of substance P on bicarbonate secretion from guinea pig pancreatic ducts. *Am J Physiol, Cell Physiol* 288: C1030-41
- Barta A, Tarján I, Kittel Á, Horváth K, Pósa A, László F, Kovács A, Varga G, Zelles T, Whittle BRJ, 2005. Endotoxin can decrease isolated rat parotid acinar cell amylase secretion in a nitric oxide-independent manner *Eur J Pharmacol* 524 : 169–173
- Racz GZ, Szűcs Á, Szlávik V, Vág J, Burghardt B, Elliott AC, Varga G, 2006. Possible role of duration of PKC-induced ERK activation in the effects of agonists and phorbol esters on DNA synthesis in Panc-1 cells. *J Cell Biochem* 98: 1667-1680
- Márton K, Boros I, Varga G, Zelles T, Fejérdy P, Zeher M, Nagy G. Evaluation of Palatal Saliva Flow Rate and Oral Manifestations in Patients with Sjögren's Syndrome. *Oral Dis.*, 2006 Sep;12(5):480-6

- Szűcs Á, Demeter I, Burghardt B, Óvári G, Case RM, Steward MC, Varga G. Vectorial bicarbonate transport by Capan-1 cells: a model for human pancreatic ductal secretion. *Cell Physiol Biochem* 18: 253-264, 2006
- Nagy K, Szlávik V, Rácz G, Ovári G, Vág J, Varga G. Human submandibular gland (HSG) cell line as a model for studying salivary gland Ca²⁺ signalling mechanisms. *Acta Physiol Hung.* 2007 Dec;94(4):301-13
- Baggaley E, McLarnon S, Demeter I, Varga G, Bruce JI. Differential regulation of the apical plasma membrane Ca²⁺-ATPase by protein kinase A in parotid Acinar cells. *J Biol Chem* 2007 Dec 28; 282(52):37678-93.
- Ovári G, Molnár B, Tarján I, Hermann P, Gera I, Varga G. Gene polymorphisms in periodontitis and hypodontia: methodological basis of investigations *Fogorv Sz.* 100: 266-72, 2007
- Márton K, Madléna M, Bánóczy J, Varga G, Fejérdy P, Sreebney LM, Nagy G. Unstimulated whole saliva flow rate in relation to sicca symptoms in Hungary. *Oral Dis* 14 (5): 472-7, 2008
- Szlávik V, Vág J, Markó K, Demeter K, Madarász E, Oláh I, Zelles T, O'Connell BC, Varga G. Matrigel-induced acinar differentiation is followed by apoptosis in HSG cells *Journal of Cellular Biochemistry*, 103(1):284-95, 2008
- Rakonczay Z Jr, Hegyi P, Hasegawa M, Inoue M, You J, Iida A, Ignáth I, Alton EW, Griesenbach U, Ovári G, Vág J, Da Paula AC, Crawford RM, Varga G, Amaral MD, Mehta A, Lonovics J, Argent BE, Gray MA. CFTR gene transfer to human cystic fibrosis pancreatic duct cells using sendai virus vector. *J Cell Physiol*, 214: 442-55, 2008
- Szlávik V, Szabó B, Vicsek T, Barabás J, Bogdán S, Gresz V, Varga G, O'Connell B, Vág J. Differentiation and formation of salivary rudiments by primary human submandibular gland cells in culture. *Tissue Engineering Part A.* 14 (11): 1915-1926, 2008
- Blazsek J, Dobó Nagy Cs, Blazsek I, Varga R, Vecsei B, Fejerdy P, Varga G. Aninobisphonate stimulates bone regeneration and enforces consolidation of titanium implant into the rat tail vertebrae. *Pathol Oncol Res.* 15(4):567-77, 2009
- Király M., Porcsalmy B., Pataki Á., Kadar K., Jelitai M., Molnár B., Hermann P., Gera I., Grimm W-D., Ganss B., Zsembergy Á., Varga G. Simultaneous PKC and cAMP activation induces differentiation of human dental pulp stem cells into functionally active neurons. *Neurochem Int* 55 (5):323-332, 2009
- Demeter I, Szűcs A, Hegyesi O, Földes A, Rácz GZ, Burghardt B, Steward MC, Varga G. Vectorial bicarbonate transport by Par-C10 salivary cells – a model for epithelial electrolyte secretion. *J Physiol Pharmacol*, 60 (S7): 197-204, 2009
- Demeter I, Hegyesi O; Nagy ÁK, Case RM, Steward MC, Varga G, Burghardt B. Bicarbonate transport by the human pancreatic ductal cell line HPAF. *Pancreas*; 38 (8):913-20, 2009
- Farkas K, Yeruva S, Rakonczay Z Jr, Ludolph L, Molnár T, Nagy F, Szepes Z, Schnur A, Wittmann T, Hubricht J, Riederer B, Venglovecz V, Lázár G, Kiraly M, Zsembergy A, Varga G, Seidler U, Hegyi P. New therapeutic targets in ulcerative colitis: The importance of ion transporters in the human colon. *Inflamm Bowel Dis.* 17(4): 884-898, 2011
- Kiraly M, Kadar K, Horváthy DB, Nardai P, Racz GZ, Lacza Z, Varga G, Gerber G. Integration of neuronally predifferentiated human dental pulp stem cells into rat brain in vivo. *Neurochem Int.* 59(3): 371-81, 2011.
- Kalmar L, Homola D, Varga G, Tompa P. Structural disorder in proteins brings order to crystal growth in biomineralization. *Bone* 51 (3): 528-534, 2012
- Varga G, Bori E, Kallo K, Nagy K, Tarjan I, Racz GZ. Novel possible pharmaceutical research tools: stem cells, gene delivery and their combination. *Curr Pharm Des* 19(1):133-41, 2013
- Rakonczay Z Jr, Vág J, Földes A, Nagy K, Nagy A, Hegyi P, Varga G, 2013. Chronic inflammation in the pancreas and salivary glands - lessons from similarities and differences in pathophysiology and treatment modalities, *Curr Pharm Des*, under review