

OPEN CALL



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



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OPEN CALL

For Abstract Selection Committee Members (representing Clinical Science) at the European Pancreatic Club (EPC)

MINIMUM REQUIREMENTS

- Very good command of spoken and written English
- Personal commitment and time resources for volunteer work

ELIGIBILITY

- The applicant needs to be a member of the EPC during the term of abstract selection (2015-2018)
- The applicant has to be internationally acclaimed clinician
- The applicant has to have at least 2 communications (submitted abstracts, or poster, oral presentation or invited lectures) at the main or satellite EPC meetings (as a first or co-author)
- The applicant needs to assume to review the abstracts submitted for the EPC meeting within the given deadline
- The abstract scoring has to be fair and without bias
- Members of the Abstract Selection Committee are not allowed to score abstracts in which they are noted as author

TERMS OF OFFICE

- Members of the Abstract Selection Committee will be elected for 3 years (from January-January)
- Second term is not possible
- No parallel membership in EPC committees possible

SUBMITTING APPLICATIONS

Application has to be addressed to the Secretary of the EPC and must be in English.

Applications must include:

- filled application form (can be downloaded from the EPC webpage)
- CV

Applications will be filed and tagged by the Secretary of the EPC. Should the application prove deficient, the Applicant shall be notified at the e-mail address given by him/her within five working days. The Applicant then should eliminate the deficiency revealed within another five working days.

Arrival deadline for the submission: 1st May, 2014

Eligibility will be checked by the Council. Elections are performed at the General Assembly in the forthcoming EPC meeting in Southampton according to the rules stipulated in Article V in the statutes of the EPC.



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APPLICATION FORM

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

1	Personal data	Name: Vijay P. Singh Username (www.e-p-c.org): vijaypremsingh Country: USA National Society: APA
2	Membership	List of years when the applicant was member of EPC (if applicable): List of years when the applicant attended the annual EPC meeting (if applicable): 2011 List of years when the applicant had communication(s) at the annual main or satellite EPC meeting:
3	Publications	List of the best 5 original/review papers in international journals: 1. Navina S, Acharya C, DeLany JP, Orlichenko LS, Baty CJ, Shiva SS, Durgampudi C, Karlsson JM, Lee K, Bae KT, Furlan A, Behari J, Liu S, McHale T, Nichols L, Papachristou GI, Yadav D, Singh VP . Lipotoxicity causes multisystem organ failure and exacerbates acute pancreatitis in obesity. <i>Sci Transl Med</i> . 2011 Nov 2; 3(107):107ra110. PMID:22049070 2. Orlichenko L, Stolz DB, Noel P, Behari J, Liu S, Singh VP . ADP-ribosylation factor 1 protein regulates trypsinogen activation via organellar trafficking of procathepsin B protein and autophagic maturation in acute pancreatitis. <i>J Biol Chem</i> . 2012 Jul 13; 287(29):24284-93. Epub 2012 May 08. PMID:22570480 3. Mishra V, Cline R, Noel P, Karlsson J, Baty CJ, Orlichenko L, Patel K, Trivedi RN, Husain SZ, Acharya C, Durgampudi C, Stolz DB, Navina S, Singh VP . Src Dependent Pancreatic Acinar Injury Can Be Initiated Independent of an Increase in Cytosolic Calcium. <i>PLoS One</i> . 2013; 8(6):e66471. Epub 2013 Jun 18 PMID:23824669 4. Acharya C, Cline RA, Jaligama D, Noel P, Delany JP, Bae K, Furlan A, Baty CJ, Karlsson JM, Rosario BL, Patel K, Mishra V, Dugampudi C, Yadav D, Navina S, Singh VP . Fibrosis reduces severity of acute-on-chronic pancreatitis in humans. <i>Gastroenterology</i> . 2013 Aug; 145(2):466-75. Epub 2013 May 15. PMID:23684709. 5. Patel KS, Noel P, Singh VP . Potential Influence of Intravenous Lipids on the Outcomes of Acute Pancreatitis. <i>Nutr Clin Pract</i> . 2014 Mar 31. PMID:24687866
4	Previous positions at EPC or UEG	

The applicant confirms that she/he

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

Name Vijay P. Singh

Date May, 12th 2014

Curriculum Vitae and Bibliography

Vijay P. Singh, MBBS

PERSONAL INFORMATION

Citizenship: United States
Work Address: Mayo Clinic
13400 East Mayo Boulevard
Scottsdale, AZ 85259
Email Address: Singh.Vijay@mayo.edu

PRESENT ACADEMIC RANK AND POSITION

Senior Associate Consultant - Division of Gastroenterology, Department of Internal Medicine, Mayo Clinic, Scottsdale, Arizona 08/01/2013 - Present
Associate Professor of Medicine - Mayo Clinic College of Medicine 02/01/2014 - Present

EDUCATION

Postgraduate Institute of Medical Education & Research, Chandigarh, India 1989
BS, Medical Lab Technology
Panjab University, Chandigarh, India 1997
MB BS
Christian Medical College, Ludhiana, India 1997 - 1998
Internship, Medicine
Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, Massachusetts 12/1998 - 06/2002
Postdoctoral Research Fellowship, Acute pancreatitis
Mayo Graduate School of Medicine, Mayo Clinic College of Medicine, Rochester, Minnesota 07/2002 - 06/2005
Resident, Internal Medicine
Mayo Graduate School of Medicine, Mayo Clinic College of Medicine, Rochester, Minnesota 07/2005 - 12/2008
Fellow, Gastroenterology

CERTIFICATION(S)

Board Certification(s)

American Board of Internal Medicine (ABIM)

Internal Medicine 2005 - Present
Gastroenterology 2009 - Present

Educational Commission for Foreign Medical Graduates (ECFMG)

ECFMG 1998 - Present

Medical Council of India

Internal Medicine

1998 - Present

LICENSURE

Arizona	48079
Pennsylvania	MD435666

HONORS/AWARDS

Second Prize in Physiology - Christian Medical College, Ludhiana, India	1994
Second Prize in Biochemistry - Christian Medical College, Ludhiana, India	1994
Second Prize in Anatomy - Christian Medical College, Ludhiana, India	1994
Distinction in Biochemistry - Panjab University, Chandigarh, India	1994
First Prize in Pediatrics - Christian Medical College, Ludhiana, India	1998
First Prize in Ophthalmology - Christian Medical College, Ludhiana, India	1998
First Prize in Otolaryngology - Christian Medical College, Ludhiana, India	1998
APA Travel Award - American Pancreatic Association, Los Angeles, California	2000
Best Abstract in Pancreatitis at 41st Annual Meeting - American Pancreatic Association	11/2010
Poster of Distinction - Digestive Disease Week (AASLD/AGA/ASGE/SSAT)	05/2011
Posters of Distinction (2) - Digestive Disease Week (AASLD/AGA/ASGE/SSAT)	05/2013

PREVIOUS PROFESSIONAL POSITIONS AND MAJOR APPOINTMENTS

Senior Biochemist - Public Clinical Laboratories-Moga, Punjab, India	1989 - 1992
Instructor of Medicine - Mayo Clinic College of Medicine	07/01/2006 - 07/04/2007
Assistant Professor - Division of Gastroenterology Hepatology and Nutrition, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania	2009 - 07/2013

PROFESSIONAL & COMMUNITY MEMBERSHIPS, SOCIETIES AND SERVICES**Professional Memberships & Services**

American Gastroenterology Association Member	2000
American Pancreatic Association Member	1998
American Society for Cell Biology	

Member 2006

American Society of Biochemistry and Molecular Biology
Member 2012

JOURNAL RESPONSIBILITIES

Journal Other Responsibilities

American Journal of Pathology
Reviewer

Gastroenterology
Reviewer

Gut
Reviewer

Hepatology
Reviewer

Journal of Clinical Investigation
Reviewer

Pancreas
Reviewer

Pancreatology
Reviewer

EDUCATIONAL ACTIVITIES

Teaching

Research Methodology; Biochemical, Cell Biological and Histological Techniques 1998 - 2002

As a research fellow in the Pancreas Research Group, I was responsible for teaching and training undergraduate, graduate and summer students along with research fellows and post-doctoral associates who were part of our group. Typically I had 2 to 4 such trainees. Most of them had no prior knowledge in the areas of pancreatitis and many times had no experience in research. My main task was to teach them research methodology and train them in a variety of biochemical, cell biological, and histological techniques. I also taught the students and fellows in the group how to calculate, interpret and present their experimental findings and write and prepare manuscripts.

Harvard Medical School and Beth Israel Deaconess Medical Center
Boston, Massachusetts

Principles of Management of Important GI Diseases As a fellow in gastroenterology, I taught residents the principles of management of important GI diseases. I also attempted to bridge the gap between the bench and the bedside pertaining to acute pancreatitis by presenting original work with potential therapeutic implications at departmental conferences. Mayo Clinic Rochester, Minnesota	2005 - 2008
Case-based Management of Gastrointestinal Problems As a clinician scientist, I mentored residents with an academic interest and guided my lab personnel in the design and execution of their experiments. I also taught case-based management of gastroenterological problems and took didactic lectures in gastroenterology. University of Pittsburgh Pittsburgh, Pennsylvania	2009 - 2013
Invited Lecture Division Grand Rounds Representing Pancreas and Biliary Center of Excellence University of Pittsburgh Medical Center Presbyterian Pittsburgh, Pennsylvania	2011
Obesity and Free Fatty Acids in Severe Acute Pancreatitis CME Presented University of Pittsburgh Pittsburgh, Pennsylvania	12/2011
What Drives Organ Dysfunction in SAP: Cytokines or Fatty Acids? CME Presented University of Pittsburgh Pittsburgh, Pennsylvania	07/2013

Mentorship

Song, Albert, MD (Research Fellow) Description: Harvard Medical School, Boston, MA Current Status: Surgeon, Kaiser Permanente	1998 - 2001
Mykoniatis, Andreas, MD (Research Fellow) Description: Harvard Medical School, Boston, MA Current Status: Gastroenterologist, University of Chicago	1999 - 2000
van Acker, Gijs, MD (Research Fellow) Description: Harvard Medical School, Boston, MA Current Status: Gastrointestinal Surgeon, Academic Medical Center, Amsterdam, Netherlands	2000 - 2002
Charania, Munira, MD (Research Fellow) Description: Harvard Medical School, Boston, MA Current Status: Diagnostic Radiologist, Atlanta, GA	2001 - 2002
Orlichenko, Lidlya, PhD (Research Associate) Description: University of Pittsburgh, Pittsburgh, PA Current Status: Research Assistant Professor, University of Pittsburgh Outcomes: (First author: Paper 20, 26, Co-author: 20, 28, 29)	2009 - 2012

Acharya, Chathur, MD (Medical Resident)	2010 - 2013
Description: UPMC McKeesport, McKeesport, PA	
Current Status: Assistant Professor, Virginia Commonwealth University	
Outcomes: (First author: Paper 29, Abstract 29, 31, 34. Co-author: Paper 20, 28)	
Durgampudi, Chandra, MD (Medical Resident)	2010 - 2013
Description: UPMC McKeesport, McKeesport, PA	
Current Status: Clinical Assistant Professor, UPMC Passavant, Pittsburgh, PA	
Outcomes: (First author: Abstract 30, 32, 36. Co-author: Paper 20, 28, 29)	
Noel, Pawan, PhD (Postdoctoral Fellow)	2011 - 2013
Description: Mayo Clinic, Scottsdale, AZ	
Current Status: Postdoctoral Fellow	
Outcomes: (First Author: Abstract 33, 35. Co-author: Paper 26, 28, 29)	
Mishra, Vivek, PhD (Postdoctoral Fellow)	2012 - 2013
Description: University of Pittsburgh, Pittsburgh, PA	
Current Status: Postdoctoral Fellow	
Outcomes: (First Author: Paper 28, Co-author: 29)	
Patel, Krutika (Postdoctoral Fellow)	2012 - 2013
Description: Mayo Clinic, Scottsdale, AZ	
Current Status: Postdoctoral Fellow	
Outcomes: (Co-Author: Paper 28, 29)	
Pannala, Rahul, MD (Assistant Professor)	2013 - 2014
Description: Mayo Clinic, Scottsdale, AZ	
Current Status: Assistant Professor	
Outcomes: PI, Mayo MEGA Award	

PRESENTATIONS

International

Obesity and Acute Pancreatitis: Mechanistic Correlations Invited Lecture International Research Workshop on Acute Pancreatitis Szeged, Hungary	03/2011
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National

Session Moderator 38th Annual Meeting of the American Pancreatic Association Chicago, Illinois	11/2007
Session Moderator 41st Annual Meeting of the American Pancreatic Association Chicago, Illinois	11/2010
Intrapancreatic Fat Increases Local Necrosis in Obese Patients via Unsaturated Fatty Acids (UFAs) 41st Annual Meeting of the American Pancreatic Association Chicago, Illinois	11/2010

Pancreas Plenary Talk Digestive Disease Week Chicago, Illinois	05/2011
Session Moderator 42nd Annual Meeting of the American Pancreatic Association Chicago, Illinois	11/2011
Lipotoxicity Determines Outcomes of Acute Pancreatitis in Obesity Invited Lecture 43rd Annual Meeting of the American Pancreatic Association Miami Beach, Florida	11/2012
GI MedTech Opportunities: Pancreatitis Fourth Annual AGA Tech Summit East Palo Alto, California	03/2013
Session Moderator Digestive Disease Week Orlando, Florida	05/2013
Regional	
Obesity and Acute Pancreatitis: From Deathbed to Bench Invited Lecture Yale University New Haven, Connecticut	11/2010
Lipotoxicity: A Major Player in Outcomes of Pancreatitis Department of Molecular and Cell Biology, Boston University Henry M. Goldman School of Dental Medicine Boston, Massachusetts	04/2013

CLINICAL PRACTICE, INTERESTS, AND ACCOMPLISHMENTS

1. Comprehensive gastroenterology
2. Pancreatic disorders with a focus on acute pancreatitis.

RESEARCH INTERESTS

1. Etiology and pathophysiology of acute and chronic pancreatitis.
2. Vesicular trafficking in the pancreatic acinar cell.
3. Cytoskeletal regulation in the acinar cell.
4. Stimulus-secretion coupling (intracellular signal transduction) in the pancreatic acinar cell.
5. Mechanisms of pre-mature intra-acinar cell activation of digestive enzyme zymogens.
6. Role of Src and PI-3Kinases in pancreatitis.
7. Regulation and role of aberrant tyrosine phosphorylation in acinar cell injury.
8. Alterations of intracellular calcium homeostasis in pancreatitis.
9. Role of apoptosis vs. necrosis in pancreatitis.
10. Relationship between pancreatitis and lung injury.
11. Mechanistic relations between obesity and acute pancreatitis.

RESEARCH GRANTS AWARDED

Active Grants

Federal

Principal Investigator	Obesity related pancreatic fat worsens local injury via unsaturated fatty acids. Funded by National Institute of Diabetes and Digestive and Kidney Disease, National Institutes of Health. (R01 DK092460-01)	07/2011 - 04/2016
Principal Investigator	Transgastric Local Pancreatic Hypothermia: A Novel, Rapid Multimodal Therapy for Acute Pancreatitis. Funded by Department of the Army. (PR110417)	09/2012 - 09/2015
Program Director / Principal Investigator	Obesity related pancreatic fat worsens local injury via unsaturated fatty acids. Funded by National Institute of Diabetes and Digestive and Kidney Diseases. (R01 R01DK092460)	08/2013 - 04/2016
Co-Program Director / Principal Investigator	Calcineurin in Pancreatitis. Funded by National Institute of Diabetes and Digestive and Kidney Disease, National Institutes of Health. (R01 DK093491-01)	09/2011 - 06/2016

Completed Grants

Federal

Principal Investigator	Obesity and Acute Pancreatitis, Clinico-pathologic and Mechanistic Correlations. Funded by National Center for Research Resources (NCRR) and NIH Roadmap for Medical Research. (UL1 RR024153)	11/2009 - 10/2010
Principal Investigator	Role of Src in Antegrade Golgi Expansion and Autophagic Acinar Cell Death. Funded by National Pancreas Foundation.	06/2010 - 05/2011

PATENTS

Title	Patent number	Date filed	Date issued
Gastroduodenal Balloon Tubes and Methods for Use in Localized Hypothermia Inventors: Singh VP	US 8529612	06/24/2009	09/10/2013

BIBLIOGRAPHY

Peer-reviewed Articles

1. Lee HS, Bhagat L, Frossard JL, Hietaranta A, **Singh VP**, Steer ML, Saluja AK. Water immersion stress induces heat shock protein 60 expression and protects against pancreatitis in rats. *Gastroenterology*. 2000 Jul; 119(1):220-9. PMID:10889172.
2. Bhagat L, **Singh VP**, Hietaranta AJ, Agrawal S, Steer ML, Saluja AK. Heat shock protein 70 prevents secretagogue-induced cell injury in the pancreas by preventing intracellular trypsinogen activation. *J Clin Invest*. 2000 Jul; 106(1):81-9. PMID:10880051. PMCID:314357. DOI:10.1172/JCI18706.
3. Hietaranta AJ, Saluja AK, Bhagat L, **Singh VP**, Song AM, Steer ML. Relationship between NF-kappaB and trypsinogen activation in rat pancreas after supramaximal caerulein stimulation. *Biochem Biophys Res Commun*. 2001 Jan 12; 280(1):388-95. PMID:11162528. DOI:10.1006/bbrc.2000.4120.
4. Hietaranta AJ, **Singh VP**, Bhagat L, van Acker GJ, Song AM, Mykoniatis A, Steer ML, Saluja AK. Water immersion stress prevents caerulein-induced pancreatic acinar cell nf-kappa b activation by attenuating caerulein-induced intracellular Ca2+ changes. *J Biol Chem*. 2001 Jun 1; 276(22):18742-7. Epub 2001 Feb 15. PMID:11278554. DOI:10.1074/jbc.M009721200.
5. Bhatia M, Saluja AK, **Singh VP**, Frossard JL, Lee HS, Bhagat L, Gerard C, Steer ML. Complement factor C5a exerts an anti-inflammatory effect in acute pancreatitis and associated lung injury. *Am J Physiol Gastrointest Liver Physiol*. 2001 May; 280(5):G974-8. PMID:11292607.
6. **Singh VP**, Saluja AK, Bhagat L, Hietaranta AJ, Song A, Mykoniatis A, Van Acker GJ, Steer ML. Serine protease inhibitor causes F-actin redistribution and inhibition of calcium-mediated secretion in pancreatic acini. *Gastroenterology*. 2001 Jun; 120(7):1818-27. PMID:11375962.
7. **Singh VP**, Saluja AK, Bhagat L, van Acker GJ, Song AM, Soltoff SP, Cantley LC, Steer ML. Phosphatidylinositol 3-kinase-dependent activation of trypsinogen modulates the severity of acute pancreatitis. *J Clin Invest*. 2001 Nov; 108(9):1387-95. PMID:11696584. PMCID:209439. DOI:10.1172/JCI12874.
8. Bhagat L, **Singh VP**, Song AM, van Acker GJ, Agrawal S, Steer ML, Saluja AK. Thermal stress-induced HSP70 mediates protection against intrapancreatic trypsinogen activation and acute pancreatitis in rats. *Gastroenterology*. 2002 Jan; 122(1):156-65. PMID:11781290.
9. Frossard JL, Bhagat L, Lee HS, Hietaranta AJ, **Singh VP**, Song AM, Steer ML, Saluja AK. Both thermal and non-thermal stress protect against caerulein induced pancreatitis and prevent trypsinogen activation in the pancreas. *Gut*. 2002 Jan; 50(1):78-83.
10. Van Acker GJ, Saluja AK, Bhagat L, **Singh VP**, Song AM, Steer ML. Cathepsin B inhibition prevents trypsinogen activation and reduces pancreatitis severity. *Am J Physiol Gastrointest Liver Physiol*. 2002 Sep; 283(3):G794-800. PMID:12181196. DOI:10.1152/ajpgi.00363.2001.
11. Song AM, Bhagat L, **Singh VP**, Van Acker GG, Steer ML, Saluja AK. Inhibition of cyclooxygenase-2 ameliorates the severity of pancreatitis and associated lung injury. *Am J Physiol Gastrointest Liver Physiol*. 2002 Nov; 283(5):G1166-74. PMID:12381531. DOI:10.1152/ajpgi.00370.2001.
12. **Singh VP**, Bhagat L, Navina S, Sharif R, Dawra RK, Saluja AK. Protease-activated receptor-2 protects against pancreatitis by stimulating exocrine secretion. *Gut*. 2007 Jul; 56(7):958-64. Epub 2006 Nov 17. PMID:17114298. PMCID:1994368. DOI:10.1136/gut.2006.094268.

13. Bhagat L, **Singh VP**, Dawra RK, Saluja AK. Sodium arsenite induces heat shock protein 70 expression and protects against secretagogue-induced trypsinogen and NF-kappaB activation. *J Cell Physiol.* 2008 Apr; 215(1):37-46. PMID:17941083. DOI:10.1002/jcp.21286.
14. **Singh VP**, McNiven MA. Src-mediated cortactin phosphorylation regulates actin localization and injurious blebbing in acinar cells. *Mol Biol Cell.* 2008 May; 19(5):2339-47. Epub 2008 Mar 19. PMID:18353971. PMCID:2366849. DOI:10.1091/mbc.E07-11-1130.
15. **Singh V**, Alexander JA. The evaluation and management of obscure and occult gastrointestinal bleeding. *Abdom Imaging.* 2009 May-Jun; 34(3):311-9. PMID:18581161. DOI:10.1007/s00261-008-9423-5.
16. **Singh VP**, Bren GD, Algeciras-Schimmich A, Schnepfle D, Navina S, Rizza SA, Dawra RK, Saluja AK, Chari ST, Vege SS, Badley AD. Nelfinavir/ritonavir reduces acinar injury but not inflammation during mouse caerulein pancreatitis. *Am J Physiol Gastrointest Liver Physiol.* 2009 May; 296(5):G1040-6. Epub 2009 Mar 12. PMID:19282375. PMCID:2696210. DOI:10.1152/ajpgi.90642.2008.
17. Orlichenko LS, Behari J, Yeh TH, Liu S, Stolz DB, Saluja AK, **Singh VP**. Transcriptional regulation of CXC-ELR chemokines KC and MIP-2 in mouse pancreatic acini. *Am J Physiol Gastrointest Liver Physiol.* 2010 Oct; 299(4):G867-76. Epub 2010 Jul 29. PMID:20671197. PMCID:2957341. DOI:10.1152/ajpgi.00177.2010.
18. Yeh TH, Krauland L, **Singh V**, Zou B, Devaraj P, Stolz DB, Franks J, Monga SP, Sasatomi E, Behari J. Liver-specific beta-catenin knockout mice have bile canaliculi abnormalities, bile secretory defect, and intrahepatic cholestasis. *Hepatology.* 2010 Oct; 52(4):1410-9. PMID:20722001. PMCID:2947599. DOI:10.1002/hep.23801.
19. Navina S, Acharya C, DeLany JP, Orlichenko LS, Baty CJ, Shiva SS, Durgampudi C, Karlsson JM, Lee K, Bae KT, Furlan A, Behari J, Liu S, McHale T, Nichols L, Papachristou GI, Yadav D, **Singh VP**. Lipotoxicity causes multisystem organ failure and exacerbates acute pancreatitis in obesity. *Sci Transl Med.* 2011 Nov 2; 3(107):107ra110. PMID:22049070. PMCID:3321362. DOI:10.1126/scitranslmed.3002573.
20. Orabi AI, Luo Y, Ahmad MU, Shah AU, Mannan Z, Wang D, Sarwar S, Muili KA, Shugrue C, Kolodecik TR, **Singh VP**, Lowe ME, Thrower E, Chen J, Husain SZ. IP3 receptor type 2 deficiency is associated with a secretory defect in the pancreatic acinar cell and an accumulation of zymogen granules. *PLoS One.* 2012; 7(11):e48465. Epub 2012 Nov 21. PMID:23185258. PMCID:3504040. DOI:10.1371/journal.pone.0048465.
21. **Singh VP**. Src: Regulation and function in the exocrine pancreas. *The Pancreapedia: Exocrine Pancreas Knowledge Base.* 2012. DOI:10.3998/panc.2012.5.
22. Liu S, Yeh TH, **Singh VP**, Shiva S, Krauland L, Li H, Zhang P, Kharbanda K, Ritov V, Monga SP, Scott DK, Eagon PK, Behari J. beta-catenin is essential for ethanol metabolism and protection against alcohol-mediated liver steatosis in mice. *Hepatology.* 2012 Mar; 55(3):931-40. PMID:22031168. PMCID:3288318. DOI:10.1002/hep.24766.
23. Husain SZ, Orabi AI, Muili KA, Luo Y, Sarwar S, Mahmood SM, Wang D, Choo-Wing R, **Singh VP**, Parness J, Ananthanarayanan M, Bhandari V, Perides G. Ryanodine receptors contribute to bile acid-induced pathological calcium signaling and pancreatitis in mice. *Am J Physiol Gastrointest Liver Physiol.* 2012 Jun 15; 302(12):G1423-33. Epub 2012 Apr 19. PMID:22517774. PMCID:3774209. DOI:10.1152/ajpgi.00546.2011.
24. Orlichenko L, Stolz DB, Noel P, Behari J, Liu S, **Singh VP**. ADP-ribosylation factor 1 protein regulates trypsinogen activation via organellar trafficking of procathepsin B protein and autophagic maturation in acute pancreatitis. *J Biol Chem.* 2012 Jul 13; 287(29):24284-93. Epub 2012 May 08. PMID:22570480. PMCID:3397854. DOI:10.1074/jbc.M111.328815.

25. Whitcomb DC, LaRusch J, Krasinskas AM, Klei L, Smith JP, Brand RE, Neoptolemos JP, Lerch MM, Tector M, Sandhu BS, Guda NM, Orlichenko L, Alzheimer's Disease Genetics Consortium, Alkaade S, Amann ST, Anderson MA, Baillie J, Banks PA, Conwell D, Cote GA, Cotton PB, DiSario J, Farrer LA, Forsmark CE, Johnstone M, Gardner TB, Gelrud A, Greenhalf W, Haines JL, Hartman DJ, Hawes RA, Lawrence C, Lewis M, Mayerle J, Mayeux R, Melhem NM, Money ME, Muniraj T, Papachristou GI, Pericak-Vance MA, Romagnuolo J, Schellenberg GD, Sherman S, Simon P, **Singh VP**, Slivka A, Stolz D, Sutton R, Weiss FU, Wilcox CM, Zarnescu NO, Wisniewski SR, O'Connell MR, Kienholz ML, Roeder K, Barmada MM, Yadav D, Devlin B. Common genetic variants in the CLDN2 and PRSS1-PRSS2 loci alter risk for alcohol-related and sporadic pancreatitis. *Nat Genet.* 2012 Dec; 44(12):1349-54. Epub 2012 Nov 11. PMID:23143602. PMCID:3510344. DOI:10.1038/ng.2466.
26. Rickels MR, Bellin M, Toledo FGS, Robertson RP, Andersen DK, Chari ST, Brand R, Frulloni L, Anderson MA, Whitcomb DC, **Working Group**. Detection, evaluation and treatment of diabetes mellitus in chronic pancreatitis: recommendations from PanCreasFest 2012. *Pancreatology.* 2013; 13:336-42.
27. **Working Group IAP/APA**. IAP/APA evidence-based guidelines for the management of acute pancreatitis. *Pancreatology.* 2013; 13:e1-e15.
28. Mishra V, Cline R, Noel P, Karlsson J, Baty CJ, Orlichenko L, Patel K, Trivedi RN, Husain SZ, Acharya C, Durgampudi C, Stolz DB, Navina S, **Singh VP**. Src Dependent Pancreatic Acinar Injury Can Be Initiated Independent of an Increase in Cytosolic Calcium. *PLoS One.* 2013; 8(6):e66471. Epub 2013 Jun 18 PMID:23824669. PMCID:3688910. DOI:10.1371/journal.pone.0066471.
29. Muili KA, Wang D, Orabi AI, Sarwar S, Luo Y, Javed TA, Eisses JF, Mahmood SM, Jin S, **Singh VP**, Ananthanarayanan M, Perides G, Williams JA, Molkenntin JD, Husain SZ. Bile acids induce pancreatic acinar cell injury and pancreatitis by activating calcineurin. *J Biol Chem.* 2013 Jan 4; 288(1):570-80. Epub 2012 Nov 12. PMID:23148215. PMCID:3537054. DOI:10.1074/jbc.M112.428896.
30. Acharya C, Cline RA, Jalgama D, Noel P, Delany JP, Bae K, Furlan A, Baty CJ, Karlsson JM, Rosario BL, Patel K, Mishra V, Dugampudi C, Yadav D, Navina S, **Singh VP**. Fibrosis reduces severity of acute-on-chronic pancreatitis in humans. *Gastroenterology.* 2013 Aug; 145(2):466-75. Epub 2013 May 15. PMID:23684709. DOI:10.1053/j.gastro.2013.05.012.
31. Mahmoud AM, Ding X, Dutta D, **Singh VP**, Kim K. Detecting hepatic steatosis using ultrasound-induced thermal strain imaging: an ex vivo animal study. *Phys Med Biol.* 2014 Feb 21; 59(4):881-95. Epub 2014 Feb 03. PMID:24487698. DOI:10.1088/0031-9155/59/4/881.
32. Scherer J, **Singh VP**, Pitchumoni CS, Yadav D. Issues in hypertriglyceridemic pancreatitis: an update. *J Clin Gastroenterol.* 2014 Mar; 48(3):195-203. PMID:24172179. PMCID:3939000. DOI:10.1097/01.mcg.0000436438.60145.5a.
33. Patel KS, Noel P, **Singh VP**. Potential Influence of Intravenous Lipids on the Outcomes of Acute Pancreatitis. *Nutr Clin Pract.* 2014 Mar 31. PMID:24687866. DOI:10.1177/0884533614527774.

Book Chapters

1. Saluja AK, **Singh VP**, Phillips P. Chapter 8: Physiology of experimental pancreatitis. In: Beger H-G, Buchler M, Kozarek R, Lerch M, Neoptolemos J, Warshaw A, Whitcomb D, Shiratore K (eds). *The Pancreas: An Integrated Textbook of Basic Science, Medicine and Surgery*. 2nd ed. Wiley-Blackwell; 2008 May. p. 91-106. (Book chapter)

- Papachristou G, **Singh V**, Whitcomb DC. Chapter 69: Acute pancreatitis. In: Hawkey CJ, Bosch J, Richter JE, Garcia-Tsao G, Chan FKL (eds). Textbook of Clinical Gastroenterology and Hepatology. 2nd ed. Wiley-Blackwell; 2012 May. p. 518-24. (Book chapter)

Editorials

- Singh VP**, Chari ST. Protease inhibitors in acute pancreatitis: lessons from the bench and failed clinical trials. *Gastroenterology*. 2005 Jun; 128(7):2172-4. PMID:15940654.

Abstracts

- Bhagat L, Saluja AK, Hietaranta AJ, **Singh VP**, Akella U, Pan A, Steer ML. T-lymphocytes are critical to the development of pancreatitis-associated but not endotoxin-induced lung injury. *Pancreatitis*. 1999; 19(4):415.
- Bhagat L, Saluja AK, Akella U, **Singh VP**, Hietaranta AJ, Song A, Pan A, Steer ML. Role of calcium in lysosomal enzyme redistribution and intra-acinar cell activation of trypsinogen in an in vitro model of pancreatitis. *Gastroenterology*. 2000; 118(4 Suppl 2, Part 1):936.
- Singh VP**, Bhagat L, Hietaranta AJ, Song AM, Pan A, van Acker GJD, Mykoniatis A, Steer ML, Saluja AK. NF- κ B independent upregulation of Mob-1 mRNA expression in rat pancreas following supramaximal stimulation with caerulein. *Pancreas*. 2000; 2(4):480.
- Song A, Bhagat L, Hietaranta AJ, **Singh VP**, Mykoniatis A, van Acker GJD, Pan A, Saluja AK, Steer ML. Macrophage migration inhibitory factor (MIF) does not have a significant effect on the severity of caerulein-induced pancreatitis and associated lung injury in mice. *Pancreas*. 2000; 21(4):481.
- van Acker GJD, Saluja AK, Bhagat L, Hietaranta AJ, **Singh VP**, Song AM. Relationship between intrapancreatic activation of trypsinogen and intrapancreatic sequestration of neutrophils following supramaximal stimulation with caerulein in mice. *Pancreas*. 2000; 21(4):486.
- Bhagat L, Saluja AK, **Singh VP**, Song AM van Acker GJD, Mykoniatis A, Steer ML. Role of actin cytoskeleton in caerulein-induced intra-acinar cell activation of trypsinogen in an in vitro model of pancreatitis. *Gastroenterology*. 2001; 120(5 Suppl 1):1734.
- Bhagat L, Saluja AK, Hietaranta AJ, Akella U, **Singh VP**, Steer ML. Role of T-lymphocytes in regulating the severity of caerulein-induced pancreatitis and associated lung injury in mice. *Gastroenterology*. 2001; 120(5 Suppl 1):2732.
- Song AM, Bhagat L, **Singh VP**, Mykoniatis A, van Acker GJC, Saluja AK, Steer ML. Inhibition of cyclooxygenase-2 (COX-2) enzyme ameliorates the severity of caerulein-induced pancreatitis and associated lung injury in mice. *Gastroenterology*. 2001; 120(5 Suppl 1):2732.
- van Acker GJD, Saluja AK, **Singh VP**, Bhagat L, Song AM, Mykoniatis A, Steer ML. Intrapaneatic activation of trypsinogen precedes and is required for neutrophil sequestration in the pancreas during secretagogue-induced pancreatitis in mice. *Gastroenterology*. 2001; 120(5 Suppl 1):2742.
- Bhagat L, Saluja Ak, van Acker GJD, **Singh VP**, Song AM, Mykoniatis A, Steer ML. Lysosomal hydrolase/digestive zymogen co-localization and intra-acinar cell activation of trypsinogen: Which is the horse and which is the cart? *Gastroenterology*. 2001; 120(5 Suppl 1):2748.
- Singh VP**, Saluja AK, Bhagat L, Song A, Mykoniatis A, van Acker GJD, Steer ML. Regulation of CXC-ELR chemokine expression in mouse acini after supramaximal stimulation with caerulein. *Gastroenterology*. 2001; 120(5 suppl 1):A132.

12. **Singh VP**, Saluja AK, Bhagat L, Song A, Mykoniatis A, van Acker GJD, Steer ML. Secretagogue (caerulein)-induced intrapancreatic activation of trypsinogen is mediated by protein kinase C (PKC), phosphoinositide-3-kinases (PI-3Ks) and tyrosine kinases (TKs). *Gastroenterology*. 2001 Apr; 120(5 suppl 1):A337.
13. Bhagat L, **Singh VP**, van Acker GJD, Song AM, Steer ML, Saluja AK. Arsenite, a non-thermal stressor, induces hsp70 expression in the pancreas and protects against secretagogue-induced pancreatitis by preventing trypsinogen and NF- κ B activation. *Pancreas*. 2001 Nov; 23(4):428-469.
14. Song AM, Saluja AK, Bhagat L, **Singh VP**, van Acker GJD, Steer ML. Inhibition of 5-lipoxygenase ameliorates the severity of caerulein-induced pancreatitis and associated lung injury in mice. *Pancreas*. 2001 Nov; 23(4):428-469.
15. van Acker GJD, Saluja AK, Bhagat L, **Singh VP**, Song AM, Steer ML. Intrapancreatic trypsinogen activation and acinar cell necrosis in secretagogue- and duct infusion-induced pancreatitis are leukocyte independent events. *Pancreas*. 2001 Nov; 23(4):428-469.
16. **Singh VP**, Saluja AK, Nayina S, Bhagat L, Andrade-Gordon P, Steer ML. Par-2 plays a protective role in pancreatitis. *Gastroenterology*. 2003 Apr; 124(4 Suppl 1):A94-A95.
17. **Singh VP**, Bhagat L, Dawra R, Sharif R, Navina S, Saluja A. Protease activated receptor-2 (PAR-2) protects against pancreatitis by stimulating digestive enzyme secretion. *Pancreas*. 2005; 31(4):469.
18. **Singh V**, Bren G, Chari S, Vege S, Badley A. Abstract 1543: Nelfinavir/Ritonavir reduce caerulein induced pancreatic acinar injury in mice without affecting inflammation. *Gastroenterology*. 2005 Apr; 128(4 Suppl 2):633.
19. **Singh VP**, Bren GD, Vlahakis SR, Chari ST, Vege SS, Badley AD. Nelfinavir/Ritonavir reduce acinar injury in mouse caerulein pancreatitis. *Pancreas*. 2005 Nov; 31(4):469.
20. **Singh VP**, Schroeder B, McNiven M. The large GTPase dynamin localizes to and is involved in zymogen secretion at the pancreatic acinar cell apical membrane. *Gastroenterology*. 2006 Apr; 130(4 Suppl 2).
21. **Singh VP**, McNiven MA. Abstract 799: Pancreatic acinar cell damage by supra-stimulation is regulated by Src-mediated cortactin-actin dynamics. *Gastroenterology*. 2007 Apr; 132(4 Suppl 1):A117.
22. **Singh VP**, McNiven MA. Pancreatic acinar cell damage resulting from supra-stimulation is regulated by SRC-mediated cortactin-actin dynamics. *Pancreas*. 2007 Nov; 35(4):428.
23. Orlichenko LS, **Singh VP**. Abstract T1939: Pervanadate induces acinar cell injury via Src activation. *Gastroenterology*. 2010 May; 138(5 Suppl 1):S-611.
24. Orlichenko LS, **Singh VP**. Abstract T1938: Src is involved in caerulein mediated trypsinogen activation via altering the Golgi. *Gastroenterology*. 2010 May; 138(5 Suppl 1):S-611.
25. Orlichenko LS, Baty CJ, Karlsson J, **Singh VP**. C-Src resides on the Golgi in acinar cells and is involved in caerulein mediated trypsinogen activation. *Pancreas*. 2010 Nov; 39(8):1337.
26. Orlichenko LS, **Singh VP**. Brefeldin A causes retrograde collapse of the Golgi, prevents co-localization, trypsinogen activation and reduces severity of pancreatitis. *Pancreas*. 2010 Nov; 39(8):1338.

27. Yadav D, Kim H, Orlichenko LS, **Singh VP**. Vincristine reduces L-asparaginase induced active pancreatitis (AP) by preventing procathepsin B trafficking and trypsinogen activation. *Pancreas*. 2011; 40(8):1308.
28. Orlichenko LS, **Singh VP**. Trafficking of cathepsin B containing organelles to the autophagosome in an ARF-1 dependent manner is required for caerulein induced trypsinogen activation. *Gastroenterology*. 2011 May; 14(5 Suppl 1):S53.
29. Acharya C, Jaligama D, Yadav D, Bae KT, Furlan A, Nichols L, Navina S, **Singh V**. Primary (obesity associated) intrapancreatic fat is quantitatively, morphologically, pathogenically and clinically distinct from secondary (chronic pancreatitis associated) intrapancreatic fat. *Gastroenterology*. 2011 May; 140(5 Suppl 1):S-381.
30. Durgampudi C, Acharya C, Cline R, Orlichenko L, Navina S, **Singh V**. Abstract 82: Lipotoxicity Results in Lethality From Caerulein Induced Acute Pancreatitis in Obese Mice. *Gastroenterology*. 2012 May; 142(5 Suppl 1):S20.
31. Acharya C, Jaligama D, Cline R, Yadav D, Bae KT, Furlan A, Nichols L, Navina S, **Singh V**. Abstract 226: Fibrosis Reduces Severity of Acute Attacks in Chronic Pancreatitis (CP) by Preventing Peri-fat Acinar Necrosis (PFAN) Around Fat Necrosis (FN). *Gastroenterology*. 2012 May; 142(5 Suppl 1):S55-56.
32. Durgampudi C, Noel P, Cline R, Acharya C, Patel K, Jaligama D, **Singh V**. Lipolysis of unsaturated triglycerides worsens acute pancreatitis (AP) outcomes in a model mimicking human disease. *Pancreatology*. 2013 Mar; 13(2):e10.