

Prashanth Porayette MD, PhD

WORK ADDRESS:

Southern Illinois University
301 N. 8th Street, Suite 3A169
Springfield, IL 62794-9658

EMPLOYMENT:

07/2015- Present Assistant Professor in Pediatric Gastroenterology, Southern Illinois University,
Springfield, IL

EDUCATION:

Fellowship: Pediatric Gastroenterology- Riley Hospital for Children at Indiana University
School of Medicine, Indianapolis, IN

Residency: Pediatrics- Riley Hospital for Children at Indiana University School of Medicine,
Indianapolis, IN

Post-Doctoral Fellow: Dr. Mervin Yoder Laboratory, Herman B. Wells Center for Pediatric Research,
Indiana University School of Medicine, Indianapolis, IN

Doctoral Training: Molecular Medicine Graduate Program, The Huck Institutes of the Life Sciences,
The Pennsylvania State University, PA
Degree: Ph.D.

Medical School: Pramukhswami Medical College, Sardar Patel University, Gujarat, India.
Degree: M.B.,B.S (Bachelor of Medicine & Bachelor of Surgery)

BOARD CERTIFICATION:

American Board of Pediatrics (2013)
Pediatric Gastroenterology (2016)

PROFESSIONAL MEMBERSHIP:

North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN)
American College of Gastroenterology (ACG)

ACADEMIC HONORS, ACTIVITIES AND AWARDS:

Clinical Operations Committee Member, Department of Pediatrics, Southern Illinois University, Springfield, IL (06/2018- Present)

Course Director, Southern Illinois University Pediatrics Journal Club, Springfield, IL (Monthly, 2016- Present)

Executive Member, Pediatric Annual Residents Research Day Committee, Southern Illinois University, Springfield, IL (2016- Present)

Moderator, Pediatric Scholar's Day Invited Talks, Indiana University School of Medicine, Indianapolis, IN (April 2014)

Morris Green Physician Scientist Development Program, Indiana University School of Medicine, Indianapolis, IN.

Riley Children's Foundation Grant Award, Indianapolis, IN. "Role of Vitamin D in Chronic Hepatitis C"

Cold Spring Harbor Laboratories Research Travel Award, Cold Spring Harbor, New York. "Role for BMP4 in Fetal Hematopoiesis"

J. Lloyd Huck Graduate Fellowship in Molecular Medicine, Pennsylvania State University, PA.

ORAL PRESENTATIONS:

Kristen Leadbetter, Pulak Agrawal, Prashanth Porayette, Julie Fleischer, Ramzi Souki. Turned Around: A complicated case of heterotaxy. Southern Illinois University Pediatrics Grand Rounds, Springfield, IL. September 2016.

Prashanth Porayette and Brian McFerron. Inflammatory bowel disease and the pediatric general practitioner. Lafayette Medical Education Foundation, Lafayette, IN. December, 2014.

Prashanth Porayette and Sandeep Gupta. Up, Close and Personal-ized Medicine. North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition (NASPGHAN), Meet the Professor Breakfast Session, Annual Meeting and Post Graduate Course, Atlanta, GA. October, 2014.

Prashanth Porayette and Sandeep Gupta. Primer on Personalized Medicine. American College of Gastroenterology (ACG) Midwest Regional Postgraduate Course, Indianapolis, IN. August 2014.

Prashanth Porayette. Gastroesophageal Reflux Disease. Residency Teaching Rounds, Indiana University School of Medicine, Indianapolis, IN. March 2014.

Prashanth Porayette and Michelle Howenstine. Gastrointestinal Manifestations of Cystic Fibrosis. Joint Pediatric Pulmonology/ GI CME lecture, Riley Hospital for Children, Indianapolis, IN. September, 2012.

Prashanth Porayette. Lymphoid Precursors Arise Independently at Multiple Sites During Development. American Society of Hematology, Fifty-First Annual Meeting and Exposition, New Orleans, LA. December, 2009.

Prashanth Porayette. Lymphoid Precursors Arise Independently at Multiple Sites During Development. Midwest Blood Club Meeting; Cincinnati, OH. April 2008.

Prashanth Porayette. BMP4/Madh5 dependent signaling is required for the initial expansion of erythroid progenitors in the fetal liver. Huck Institute of Life Sciences Research Retreat; State College, PA. April 2007

PUBLICATIONS:

Prashanth Porayette, David Flockhart, and Sandeep Gupta, (2014). One size fits one: pharmacogenetics in gastroenterology. *Clinical Gastroenterology and Hepatology* 2014 Apr; 12(4):565-70.

Momoko Yoshimoto, Prashanth Porayette, Nicole Glosson, Simon Conway, Nadia Carlesso, Angelo Cardoso, Mark Kaplan, and Mervin Yoder, (2012). Autonomous T cell progenitor production in the extra-embryonic yolk sac before HSC emergence. *Blood* 2012 Jun 14; 119(24):5706-14.

Yoshimoto M, Montecino-Rodriguez E, Ferkowicz MJ, Porayette P, Dorshkind K, Yoder MC, (2011). Embryonic day 9 yolk sac and intra-embryonic hemogenic endothelium independently generate a B-1 and marginal zone progenitor lacking B-2 potential. *Proceedings of the National Academy of Sciences (PNAS)* 2011 Jan 25; 108(4):1468-73.

Toshihiko Tanno, Prashanth Porayette, Julia B. Goodnough, Orapan Sripichai, Seung-Jae Noh, Colleen Byrnes, Ajoy Bhupatiraju, Y.Terry Lee, Tomas Ganz, Robert F. Paulson, Jeffery L. Miller, (2009). Identification of TWSG1 as a second novel erythroid inhibitor of hepcidin expression in murine and human cells. *Blood* 2009 Jul 2; 114(1):181-6.

Momoko Yoshimoto, Prashanth Porayette, and Mervin C. Yoder, (2008). Overcoming obstacles in the search for the site of hematopoietic stem cell emergence. *Cell Stem Cell* 2008 Dec 4; 3(6):583-6.

John Perry, Omid Harandi, Prashanth Porayette, Shailaja Hegde, Arun Kannan and Robert F. Paulson, (2009). Maintenance of the BMP4 dependent stress erythropoiesis pathway in the murine spleen requires hedgehog signaling. *Blood* 2009 Jan 22; 113(4):911-8.

Prashanth Porayette and Robert F. Paulson, (2008). BMP4/Madh5 dependent signaling is required for the initial expansion of erythroid progenitors in the fetal liver. *Developmental Biology* 2008 May 1; 317(1):24-35.

Aparna Subramanian, Shailaja Hegde, Prashanth Porayette, Michele Yon, Pamela Hankey, and Robert F. Paulson. Friend Virus utilizes the BMP4 dependent stress erythropoiesis pathway to induce erythroleukemia (2008). *Journal of Virology* 2008 Jan; 82(1):382-93.

Hegde Shailaja, Lenox Laurie, Lariviere Andrew, Porayette Prashanth, Perry John, Yon Michele, Robert F. Paulson (2007). An intronic sequence mutated in flexed-tail mice regulates splicing of Smad5. *Mammalian Genome* 2007 Dec; 18(12):852-60.

RESEARCH POSTERS:

Prashanth Porayette, Girish Subbarao, Shamaila Waseem, (2013). A rare case of complicated pan- colonic diverticulosis in a healthy teenager. North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition, NASPGHAN Annual Meeting and Exposition, Chicago, IL, October 10-12, 2013.

Momoko Yoshimoto, Prashanth Porayette, Nicole Glosson, Mark Kaplan and Mervin Yoder, (2011). Multipotent progenitors arise in the extra-embryonic yolk sac prior to HSC emergence in the mouse embryo. International Society for Stem Cell Research, 9th Annual Meeting, Toronto, Canada. June 15-18, 2011.

Momoko Yoshimoto, Encarnacion Montecino-Rodriguez, Prashanth Porayette, Kenneth

Dorshkind and Mervin C. Yoder, (2009). B Lymphocytes Emerge De Novo Independently in the YS and PSP Before E10, but Lack B-2 Potential. American Society of Hematology, Fifty-First Annual Meeting and Exposition, New Orleans, LA, December 5-8, 2009.

Momoko Yoshimoto, Encarnacion Montecino-Rodriguez, Prashanth Porayette, William C. Shelly, Kenneth Dorshkind, Mervin C. Yoder, (2008). B-1 B cell origin in the murine embryo. 37th Annual Meeting of International Society for Experimental Hematology, Boston, MA, July 9-12, 2008.

Omid F. Harandi, Shailaja Hegde, Daniel McKeone, Prashanth Porayette and Robert F. Paulson, (2008). BMP4 signaling is required to promote the expansion of stress erythroid progenitors during the recovery from bone marrow transplant. 6th Annual Meeting of International Society for Stem Cell Research, June 11-14, 2008, Philadelphia, PA

Toshihiko Tanno, Prashanth Porayette, Ajoy Bhupatiraju, Pamela Staker, Y. Terry Lee, Suthat Fucharoen, Robert F. Paulson, and Jeffery L. Miller, (2007). Twisted Gastrulation (TWSG1) is expressed at elevated levels in Thalassemia and regulates Bone Morphogenic Protein signaling. American Society of Hematology. Forty- ninth Annual Meeting and Exposition, December 7-11, 2007.

Prashanth Porayette and Robert F. Paulson, (2007). Role of BMP4 signaling in regulating fetal erythropoiesis. 27th Great Lakes Mammalian Development Meeting, Samuel Lunenfeld Research Institute, Toronto, Canada, March 1-3, 2007.

Prashanth Porayette and Robert F. Paulson, (2006). BMP4/Madh5 dependent signaling is required for the initial expansion of erythroid progenitors in the fetal liver. Mouse Molecular Genetics Meeting, Cold Spring Harbor Laboratory, August 31- September 3, 2006.

Prashanth Porayette and Robert F. Paulson, (2005). Role of BMP4 in Fetal liver erythropoiesis. American Society of Hematology. Forty- seventh Annual Meeting and Exposition, December 3-6, 2005.

Robert F. Paulson, Laurie Lenox, John Perry, Prashanth Porayette, (2002). BMP4 and Smad5 Regulate the Erythroid Response to Acute Anemia in the adult spleen. American Society of Hematology. Forty fourth Annual Meeting and Exposition, December 6-10, 2002.