

JONATHAN M. GISSER, M.D.

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EMPLOYMENT

Dec 2008-present **Assistant Professor of Pediatrics, The Ohio State University/Attending Physician,**
Division of **Pediatric Gastroenterology**, Nationwide Children's Hospital, Columbus, Ohio

EDUCATION

Aug 1990-June 1993 **Bachelor of Science**, McGill University, Montreal, Canada
Jan 1994- Sept 1997 **Master of Science**, Concordia University, Montreal, Canada
Aug 1997 – Oct 1998 **Preclinical courses**, Touro College, Long Island, New York
Oct 1998 –June 2002 **Doctor of Medicine**, Technion-Israel Institute of Technology, Haifa, Israel
June 2002 – June 2005 **Pediatric Residency**, MetroHealth Medical Center, Cleveland, Ohio
July 2005 – June 2008 **Pediatric Gastroenterology Fellowship**, Rainbow Babies & Children's Hospital,
Cleveland, Ohio

RESEARCH EXPERIENCE

1994-1997 Title: "Interactions among a group of related proteins in the cellular slime mold *Dictyostelium discoideum*", Department of Biology, Concordia University, Montreal, Canada, Master's in Biology, Mentor: Adrian Tsang, PhD

2002- 2003 Title: "The mechanism of antibiotic immunomodulation in Inflammatory bowel disease", Department of Pediatric Gastroenterology, MetroHealth Medical Center, Cleveland, Ohio, Graduate research project, Mentor: Maya Srivastava, MD, PhD

2004- 2005 Title: "The effect of *H. pylori* and other bacterial products on mouse gastric mucosal cells", Department of Pediatric Gastroenterology, Rainbow Babies and Children's Hospital, Cleveland, Ohio, Graduate research project, Mentors: Thomas Blanchard, PhD and Steven Czinn, MD

2006-2007 Title: "The role of dendritic cell-derived IL-10 in the polarization of T-cells in inflammatory bowel disease", Department of Pediatric Gastroenterology, Rainbow Babies and Children's Hospital, Cleveland, Ohio, Fellowship research project, Supervisor: Thomas Blanchard, PhD

2007-2008 Title: "The role of Smad3-dependent Transforming Growth Factor β signaling in mucosal Dendritic Cells", Department of Pediatric Gastroenterology, Rainbow Babies and Children's Hospital, Cleveland, Ohio, Fellowship research project, Mentors: John Letterio, MD and Alex Huang, MD, PhD

2008-2010 Title: "The relationship of anti-myenteric antibodies to pediatric Irritable Bowel Syndrome", Department of Gastroenterology, Nationwide Children's Hospital/Ohio State University, Columbus, Ohio, Mentor: Jackie Wood, PhD

2010-present Title: "The relationship of Endothelin and retinoid signalling in proliferation, differentiation, and migration of Enteric nervous system stem cells", Department of Gastroenterology, Nationwide Children's Hospital/Ohio State University, Columbus, Ohio, Mentor: Cheryl Garipey, MD

CERTIFICATIONS

ECFMG # 0-609-270-4 - valid indefinitely

American Board of Pediatrics – ID # 666229 valid 2005-2012

State medical Board of Ohio – license # 35. 086487 valid until January 1, 2013

PUBLICATIONS

1. **Gisser JM**, Fields MC, Pick N, Moses AE, Srugo I. (2002) Invasive group A streptococcus associated with an intrauterine device and oral sex. *Sexually Transmitted Disease* 29(8):483-5
2. **Gisser JM**, Blanchard SS, Parry RL, Redline RW, Chelimsky G. (2009) A Rare Cause of Upper Gastrointestinal Bleeding in Children: Gastric Schwannoma. *Current Pediatric Reviews* 5(1):52-5

ABSTRACTS

1. Lavi R, **Gisser J**, Srivastava M. (2004) The effect of Metronidazole and Ciprofloxacin on Innate Immunity of U937 Monoblasts. *Journal of Pediatric Gastroenterology and Nutrition* 39(S1):S293
2. Arora S, **Gisser J**, Blanchard S, Redline R, Parry R, Chelimsky G. (2006) Clinical Vignette - Gastric Schwannoma. NASPGHAN
3. **Gisser JM**, Czinn SJ, Garcia-Naveiro R, Blanchard TG. (2006) Helicobacter pylori extract induces reactive oxygen species production in mouse gastric mucosal cells. *Journal of Pediatric Gastroenterology and Nutrition*: 43(4):E27
4. **Gisser, JM**, Slocum, R, Parry, RL, Redline, RW, Chelimsky, GG, Garcia-Naveiro, R. (2007) Inflammatory bowel disease associated with a neovagina in a pediatric patient. Poster presentation NASPGHAN
5. **Gisser JM**, Huang, AYC, Letterio, JJ. (2007) Defining the role of smad-dependent TGF-beta signaling in dendritic cell mediated mucosal homeostasis. Oral presentation at NASPGHAN
6. Prasad V, Houston R, Chenever E, Russo J, **Gisser J**, Denham J (2009) Elevated fecal calprotectin in childhood inflammatory bowel disease: Correlating biopsy findings with clinical and endoscopic features, a review of 17 cases. Oral presentation at Society for Pediatric Pathology/ Paediatric Pathology Society meeting
7. Amer H, Houston R, **Gisser J**, Kahwash S, Prasad V (2010) Elucidating the Role of JC Virus Infection in Pediatric Crohn Disease and a Search for JC Virus in Myenteric Plexus in Children With Crohn Disease: A Review of 25 Cases. Presented at the College of American Pathologists meeting
8. **Gisser, JM**, Garipey CE. (2011) Retinoic Acid and Endothelin-3 Reciprocally Regulate Enteric Nervous System Precursor Survival, Differentiation, and Plexus Formation. Accepted for oral presentation at American Gastroenterological Association – Digestive Disease Week.

AWARDS AND HONORS

- 2008 Travel Grant Recipient - 2nd International Pediatric Inflammatory Bowel Disease Symposium
- Selected to attend conference presenting latest advances in IBD research
- 2007 Travel Grant Recipient – AGA academic skills workshop
- One of 40 applicants selected and funded to attend a workshop aimed at cultivating grant preparation and manuscript-writing skills
- 2005 First Place - MetroHealth Pediatric Department research competition
- For best research project and presentation among residents - project studying the effects of *H. pylori* extract on Mouse gastric Mucous cells
- 2000 Technion President's Award for academic excellence
- Awarded to top students in every faculty for superlative academic performance (GPA > 91%)
- 1997 Offered Canadian National Science and Engineering Research Council Industrial Postgraduate Scholarship
- A Financial Award for highly qualified science graduates aimed at encouraging scholars to consider research careers

PROFESSIONAL SOCIETIES

North American Society of Pediatric Gastroenterologist Hepatologist and Nutritionists

American Gastroenterological Association

American College of Gastroenterologists

American Academy of Pediatrics