

Our mission is to train Academicians who successfully embrace the role of *Clinician, Educator and Investigator*. The Department of Pediatrics offers 11 Fellowship Programs in a variety of subspecialties. On an average we have 30+ fellows energetically pursuing specialized *clinical training and research endeavors*. We work with each individual to establish a well defined career path to competency and satisfaction.

## CONGRATULATIONS!

### Recipients of Fellowship Award "Pediatric Research: Bench to Bedside to Curbside" Program

**Diana Go, MD, Pediatric Pulmonology** is conducting a clinical/translational study to determine if the presence of connective tissue mast cells and their associated peptidases taken from tracheal aspirates of premature infants are predictive of the occurrence of bronchopulmonary dysplasia (BPD). This will be executed under the guidance of neonatologist, Gloria Pryhuber, MD. The study may identify assays of mast cell activity as prognostic tools and eventually open up a new therapeutic area for the prevention and treatment of BPD. **SOC Mentors:** [Gloria Pryhuber, MD](#), [Clement Ren, MD](#), [Thomas Mariani, PhD](#)

**Dana Work, DO, Pediatric Nephrology** is seeking to establish a method to predict early chronic kidney disease in children who have recovered from acute kidney injury from hemolytic uremic syndrome (HUS). The long term renal prognosis for individuals with a history of HUS remains uncertain. Dr. Work is interested in using plasma iohexol disappearance to determine if a protein load in the form of a meat protein can be used to reliably detect renal reserve in children with an apparently normal glomerular filtration rate. Ultimately, the study aims to improve our ability to identify children who are at risk for the progression of renal disease who would benefit from close monitoring of blood pressure, avoidance of nephrotoxic medications and possibly treatment with angiotensin converting enzyme inhibitors. **SOC Mentors:** [George Schwartz, MD](#), [Carl D'Angio, MD](#), [Scott Liebman, MD](#)

**Prita Mohanty, MBBS, Pediatric Gastroenterology/Nutrition** is studying the prevalence of celiac disease in children with autism spectrum disorders and investigating the yield of routine screening in these patients. Autism is a complex neuropsychiatric disorder which appears to have rapidly increased in prevalence. There are reports in literature that suggest there may be association between celiac disease and autism. Up to 1/3 of children with autism are placed on a gluten-free diet whether or not they have documented gluten intolerance. Implementation of this diet without dietary counseling may be nutritionally inadequate. We hope that this research will be able to identify the prevalence of celiac disease in these patients along with associated behavioral and medical factors, and to recognize those who might benefit from the gluten-free diet. **SOC Mentors:** [Susan Hyman, MD](#), [Marilyn Brown, MD](#)

**Echezona Maduekwe, MBBS, Pediatric Neonatology** is testing the hypothesis that "oxygen under the curve" concept defined in human newborn exposures, can be used accurately to define levels of oxygen toxicity sufficient to permanently disrupt lung structure and function in mice. Successful completion of these studies would provide new opportunities for extrapolating specific molecular and cellular changes in mouse lung to preterm humans. **SOC Mentors:** [Michael O'Reilly, PhD](#), [Gloria Pryhuber, MD](#), [Rita Dadiz, DO](#), [George Porter, MD, PhD](#)

## ANNOUNCEMENTS

Chair's Fellows Meeting ~ Tuesday, June 14<sup>th</sup> from 12 – 1 pm, Bradford Library.

Fellows Happy Hour! ~ Friday, May 13<sup>th</sup> at 5:30pm at [The Old Toad](#). An informal gathering to get to know each other. Spouses, colleagues and friends are welcome.

## FOR YOU AND YOUR FAMILY

**May 13-22, 2011 ~ [Lilac Festival](#)** The only 10-day free festival of its kind in North America. Highland Park has over 500 varieties of lilacs on 1,200 bushes. What was first planted in 1892 by horticulturist John Dunbar has turned into the world's largest lilac collection.

**June 3-5, 2011 ~ [Fairport Canal Days](#)**

**June 10-18, 2011 ~ [Xerox Rochester International Jazz Festival](#)**

**June 20-26, 2011 ~ [Wegmans LPGA Championship](#)**

**June 25-26, 2011 ~ Rochester Harbor & Carousel Festival** A celebration of Rochester's waterfront. Enjoy entertainment, children's activities, a 10K race and gigantic firework display. Located at Ontario Beach Park. Call (585) 428-6767 or (585) 865-3320 for more information.

## 2010-11 SCHOLARSHIP OVERSIGHT COMMITTEE TOPICS AND MENTORS

### Adolescent Medicine

**TAYLOR STARR, DO, MPH** Communicating with adolescents:

Developing a web based curriculum for providers ~

*Richard Kreipe, MD, Constance Baldwin, PhD, Judith Fonzi, PhD*

**LE KEYAH WILSON, MD** Determine successful interventions of Rochester Youth Violence Partnership (RYVP) through qualitative interviews ~ *Michael Scharf, MD, C. Andrew Aligne, MD, MPH, Richard Kreipe, MD, Scott McIntosh, PhD*

### Cardiology

**DAVID BRENNEN, MD** Comparison of blood pressure on 24 hour ambulatory monitoring to blood response to exercise in pediatric patients ~ *Rae-Ellen Kavey, MD, MPH, George Porter, MD, PhD, Marc Lande, MD, MPH*

**AMANDA HALL, MD** Comparing ultrasound dilution with Fick principle in assessing cardiac output and shunt fraction in patients with congenital heart disease ~ *Rae-Ellen Kavey, MD, MPH, Colleen Jo, MD, Jill Cholette, MD*

**SUBHASHINI SUBRAMANIAN, MD** Postoperative assessment of a modified surgical approach to repair of tetralogy of fallot: Late follow-up ~ *Rae-Ellen Kavey, MD, MPH, George Porter, MD, PhD, Karen Powers, MD*

### Critical Care

**RENATA OSTROWICKI, MD** Comparison of techniques for assessing cardiac output and preload in critically ill pediatric patients ~ *Karen Powers, MD, Jill Cholette, MD, Anthony Pietropaoli, MD*

**DANIEL ROGERS, MD** Topic TBA ~ *Linda Spillane, MD, Jeffrey Rubenstein, MD, MBA, Elise van der Jagt, MD, MPH*

**STEPHEN TOMEK, MD** Calcium replacement and thrombosis in infants undergoing cardiac surgery with cardiopulmonary bypass ~ *Jill Cholette MD, Eugene Daugherty, MD, Michael Eaton, MD*

### Developmental-Behavioral Pediatrics

**JARA JOHNSON, DO** Topic TBA ~ *Susan Hyman, MD, Tristram Smith, PhD, Jill Halterman, MD, MPH, or Sandra Jee, MD, MPH*

### Gastroenterology & Nutrition

**OSAMA ALMADHOUN, MD** Positive IgA tissue transglutaminase antibody titers with normal histology, is that false positive or potential celiac? ~ *David Yule, PhD, Marilyn Brown, MD, Philip Katzman, MD*

**MEGAN GABEL, MD** TNF-induced liver injury ~ *Gloria Pryhuber, MD, Marilyn Brown, MD, Yi-Horng Lee, MD*

**PRITA MOHANTY, MBBS** (See previous page)

### [The David C. Leach, MD Award](#)

This ACGME award acknowledges and honors residents, fellows, and resident/fellow teams and their contribution to graduate medical education.

Application deadline is July 1, 2011.

### General Pediatrics

**KELLY BROWN, MD** Primary research interests focus on improving health of children with chronic diseases, such as pediatric asthma, through medical education, effective parent-provider health communication, and self-management of chronic illness to improve health outcomes: **Project 1:** Inadequate self management education among caregivers of children with persistent asthma: Findings from a multi-state sample. **Project 2:** An educational intervention to improve delivery of preventive asthma care in the resident continuity clinic setting ~ *Connie Baldwin, PhD, Jill Halterman, MD, MPH, Susan Fisher, PhD*

**MELISSA CELLINI** Topic TBA ~ *Mentors TBA*

**MARK CRAIG, MD** Topic TBA ~ *Mentors TBA*

**SARA ELEOFF, MD** Special healthcare needs among children in informal kinship care ~ *Diana Fernandez, MD, MPH, PhD, Ann Dozier, RN, PhD*

**MARGARET HOLLAND, PhD, MPH** Interventions for vulnerable children and families; pediatric health services research; health care utilization ~ *Laura Shone, MSW, DrPH, Connie Baldwin, PhD, Harriet Kitzman, PhD, RN, Robert Cole, PhD*

### Hematology/Oncology

**RAZIA AKHTAR, MD** Topic TBA ~ *Jeff Andolina, MD, Philip Katzman, MD, George Segel, MD*

**AMY-LEE BREDLAU, MD** Ketamine for chronic cancer pain control ~ *Robert Dworkin, PhD, Jonathan Mink, MD, PhD, David Korones, MD*

**SHANNON NORMAN, MD** Somatostatin receptors: A potential new indicator of clinical outcome in pediatric medulloblastoma ~ *O.J. Sahler, MD, George Segel, MD, Jennifer Zarcone, PhD*

### Infectious Disease

**MUNDEEP KAINTH, DO** Child health study: Evaluation of the immune response to meningococcal vaccine in a psychosocially stressed pediatric population ~ *Ronnie Guillet, MD, PhD, Thomas O'Connor, PhD, Isabel Fernandez, MD, MPH, PhD*

### Neonatology

**YESEF ANTONGIORGI, MD** MMP project ~ *Rita Dadiz, DO, Michael Weidner, Robert Swantz, MD*

**SUSANA ARRIAGADA ALVARADO, MC** DR and early NICU respiratory management to improve pulmonary outcomes ~ *Timothy Stevens, MD, MPH, Rita Dadiz, DO, Lalie Cheng, MD*

**REBECCA BARNETT, DO** Gene therapy to treat SPB deficiency ~ *David Dean, PhD, Patricia Sime, MD, Thurman Wheeler, MD*

**MAJD DARDAS, MD** Microbiome in BF vs. formula fed prematures ~ *Rita Dadiz, DO, Yi-Horng Lee, MD, Ronnie Guillet, MD, PhD, William Maniscalco, MD*

**ECHAZONA MADUEKWE, MBBS** (See previous page)

**MAZEN NAYROUZ, MBChB** Direct bilirubin in pre-term infants ~ *Ronnie Guillet, MD, PhD, Rita Dadiz, DO, Sanjiv Amin, MD, Marilyn Brown, MD*

### Nephrology

**DANA WORK, DO** (See previous page)

### Pulmonology

**DIANA GO, MD** (See previous page)

**FARIBA REZAEI, MD** Airway epithelial cells: Sentinels of the innate immune system ~ *Gloria Pryhuber, MD, Clement Ren, MD, Steve Georas, MD*