

Department of Pediatrics Newsletter

Items to be covered in this edition:

1. Important Dates
2. Fellows' Research Day Award winners
3. Pediatric GI fellowship approved by ACGME
4. Faculty News
5. Faculty Publications and Presentations

Reminder for international travel: All faculty are required by the University of Washington to obtain approval for international professional travel regardless of funding source.

1. IMPORTANT DATES

May 22, 2008: Moll Lecture, 8:00am, Wright Auditorium. Childhood Obesity: Evaluation, Prevention and Treatment. Presented by Dr. Steve Daniels, Chair, Department of Pediatrics & Pediatrician-in-Chief, University of Colorado and Children's Hospital Denver.

June 2, 2008: Faculty Meeting. PLEASE NOTE EARLIER START TIME: The meeting will start at 5:15 PM with a buffet dinner; program from 5:45-8 PM. Sound Café, CHRMC. "Recapturing Your Life: Guidance on Work/Life Balance and Email Management. Speaker: Cindy Russell, Consultant from McGhee Productivity.

June 4, 2008: Coe Lecture, 4:30-6:00pm in Wright Auditorium. Celebration of the Herbert E. Coe Endowed Chair in Pediatric Surgery, with Dr. C. Everett Koop, the evening's honored speaker, former Surgeon General, emeritus professor of surgery and pediatrics, University of Pennsylvania School of Medicine, and emeritus surgeon-in-chief, Children's Hospital of Philadelphia. RSVP by Friday, May 30 to reserve your seat: (206) 543-7873 or meddev@u.washington.edu

June 12, 2008: Resident Graduation at Grand Rounds, 8:00-10:00am, Wright Auditorium.

July 18, 2008: NW Symposium on Contemporary Pediatric Critical Care. Details forthcoming.

July 23, 2008: Pediatrics Faculty Picnic at Gasworks Park. Invitations and details forthcoming.

July 25-26, 2008: Pediatric Bioethics conference. Predicting our future: Genetic testing in children and their families. For information and registration see the website:

http://bioethics.seattlechildrens.org/events/pediatric_bioethics_conference/pediatric_bioethics_conference.asp

2. CONGRATULATIONS TO THE FELLOWS' RESEARCH DAY AWARD WINNERS

The fifth annual Fellows' Research Day, for the first time at the Seattle Children's Hospital Research Institute, was the largest in the event's history with over 170 attendees. Congratulations to all of the participants for their excellent research presentations. The following fellows received the Fellows' Research Day Awards, which are sponsored by the Seattle Children's Hospital Research Institute:

- Heather Mefford, MD, PhD, Genetics and Developmental Medicine, A novel recurrent microdeletion syndrome on 15q13.3 associated with mental retardation and epilepsy
- Yupeng Wang, PhD, Immunity and Immunotherapy, Engineering XID site specific I-Anil variant for gene repair in hematopoietic stem cells
- Shahin Shafiani, PhD, Infectious Diseases, Origin and specificity of Foxp3-expressing regulatory T cells in tuberculosis
- Marcella Mascher-Denen, MD, Neonatology, Repeated neonatal stress modifies the brain's vulnerability to a subsequent hypoxic-ischemic brain injury
- Phoenix Ho, MD, Hematology-Oncology, Prevalence and prognostic implications of CEBP α mutations in pediatric AML

- Megan Moreno, MD, MEd, Adolescent Medicine, A randomized pilot intervention to reduce at-risk adolescents' online risk behavior display on a social networking web site
- D.B. Sanders, MD, Pulmonary, Return of FEV1 after pulmonary exacerbation in children with cystic fibrosis
- Priya Verghese, MD, Nephrology, Donor-specific HLA antibodies detected by sensitive solid-phase assays are associated with impaired allograft survival in pediatric renal transplant recipients
- Janna Patterson, MD, MPH, Neonatology, Frequency of genital HSV among HIV positive pregnant women in labor
- Sarah Ringold, MD, Rheumatology, Inactive disease and remission in polyarticular juvenile idiopathic arthritis

3. PEDIATRIC GI FELLOWSHIP APPROVED BY ACGME

Karen Murray, MD, fellowship director and the Pediatric Gastroenterology Division received notice that their fellowship program was approved by the ACGME. This is an important and outstanding development for our Department of Pediatrics. There is a significant shortage of pediatric gastroenterologists in the United States and the Northwest. Our program will offer an outstanding educational and clinical opportunity for future fellows.

4. FACULTY NEWS

Dr. Harris Baden is the first recipient of the Molteni Award for Professionalism and Quality. This new annual award honors a doctor who demonstrates professionalism, accountability, respect, integrity, advocacy, excellent clinical judgment, and a commitment to improving systems of care. Nominations are submitted by the medical staff.

Dr. Ellie Graham received the 2008, MaryAnn O'Hara, MD, Physician Leadership Award on April 30. The MaryAnn O'Hara, MD, Physician Leadership Award recognizes and honors a medical student, resident or physician whose leadership and courage reflect a commitment to breastfeeding as a vital part of the health and development of children and their families. Awardees demonstrate exemplary commitment to maternal and child health through advocacy of breastfeeding education and support in the community and within the medical profession.

Dr. Mike Bamshad and Dr. Peter Tarczy-Hornoch are part of the recently approved \$5.8 million, four-year grant from the Life Sciences Discovery Fund (LSDF) to support the translation of human genetic research into clinical medicine. The grant will be used to launch the Northwest Institute of Genetic Medicine, a collaborative effort between researchers at the UW, Seattle Children's Hospital Research Institute, Group Health and local biotechnology companies with members from pediatrics, medicine, genome sciences, and biostatistics.

David Rawlings, MD, Chief of the Division of Immunology was listed among the top 22 NIH grant recipients by the prestigious scientific publication, Nature. Rawlings receives funding from 9 NIH grants. The list recognizes the number of NIH grants held by investigators.

Craig E. Rubens, MD, PhD has been selected as a Board member to the Board of Scientific Counselors of the Division of Intramural Research, National Institute of Allergy & Infectious Diseases (NIAID), National Institutes of Health for a period of five years beginning July 1, 2008. This Board evaluates the laboratories in NIAID's intramural program.

Audrey Odom, MD, PhD, a third year fellow in Infectious Diseases, was awarded a K08 grant by the NIH to begin in July.

Jason Debley, MD, MPH, has been awarded a 2 year grant from the American Lung Association entitled, "Airway Epithelial Cell Cytokine Profiles of Children with and without Asthma", with direct costs of \$80,000.

Joel S. Tieder, MD, MPH was appointed Chairperson to the Society of Hospital Medicine's Expert Panel on ALTEs. The objective of this group of international experts (Co-sponsored by the AAP's Society of Hospital Medicine) is to create a consensus document to promote the evidence-based standardization of ALTE care.

Dr. Andrew Scharenberg was elected to the American Society for Clinical Investigation. The ASCI, which was founded 100 years ago, is an honorary society of physician scientists. Membership is by election only, and only researchers who are age 45 or younger

are eligible. Election to the society is a recognition of a researcher's significant contributions, at a relatively young age, to the understanding of human disease.

Sheela Sathyanarayana, MD, MPH is the PI on a pilot grant that was awarded from the UW Center for Ecogenetics and Environmental Health for \$25,000: Identifying Genetic Variants Associated with Shortened Anogenital Distance and Incomplete Testicular Descent in Male Infants. Richard Grady, MD is a co-investigator on the grant.

Lisa Frenkel, MD will host a summer student research trainee through an award from the APS/SPR Student Research Grant.

Nigel Bamford, MD, Pediatrics and Neurology, received a 1.6 million dollar NIH grant to study how dopamine excess and depletion alters striatal function; a critical area of the brain implicated in movement and habit formation. The five-year grant from NINDS is entitled: Dopamine-Induced Striatal Synaptic Plasticity.

5. FACULTY PUBLICATIONS, INVITED LECTURES, PRESENTATIONS

Kevin Urdahl, MD, PhD presented "Regulatory T cells in tuberculosis." At the American Association of Immunologists Annual Meeting in San Diego, April 5-9, 2008.

David B. Shurtleff, MD will present three abstracts to the international Society for Research into Hydrocephalus and Spina Bifida June 11-14 at Brown University in Providence, RI. Prenatal Counseling for Myelomeningocele: Diagnoses, Decisions and Outcomes; Outcome of Surgery for Scoliosis in Patients with Myelomeningocele; and Comprehensive, Economical Management of Cerebrospinal fluid Shunt Infections – A 21 Year Experience.

Erica Freeman, MD, Pediatric Resident, presented an abstract entitled "Identifying Salvadorian Children with Lead Poisoning" at the annual meeting of the Academic Pediatric Association in Los Angeles.

Tom Hansen, MD will give a talk "Identification-Classification of Patients by Underlying Conditions: Implications for Children's Hospitals" at the Eastern Virginia Medical School in Norfolk, VA as a part of their epidemiology series on June 27, 2008.

Heather Jaspan, MD, PhD: Two year outcomes of children on non-nucleoside reverse transcriptase inhibitor and protease inhibitor regimens in a South African pediatric antiretroviral program. Jaspan HB, Berisford AE, and Boule AM. *Pediatric Infectious Diseases Journal*. In Press.

Karen Murray, MD: Hepatitis B and C in children. Hsu E and Murray KF. *Nat Clin Prac Gastroenterol Hep*. published online 15 April 2008, doi:10.1038/ncpgasthep1124

Joseph T. Flynn, MD, MS: Pediatric hypertension: Recent trends and accomplishments, future challenges. Flynn JT. *American Journal of Hypertension*. Epub 17 April 2008; DOI:10.1038/ajh.2008.159.

Leslie Walker, MD: Parents' views on sexual debut among pre-teen children in Washington, DC. Walker, Leslie R., Rose, Allison, Squire, Claudia and Koo, Helen P. (2008) *Sex Education*, 8:2, 169 – 185

Brian D. Soriano, MD: Matrix-array 3-dimensional echocardiographic assessment of volumes, mass, and ejection fraction in young pediatric patients with a functional single ventricle: a comparison study with cardiac magnetic resonance. Soriano BD, Hoch M, Ithuralde A, Geva T, Powell AJ, Kussman BD, Graham DA, Tworetzky W, Marx GR. 2008 Apr 8;117(14):1842-8. Epub 2008 Mar 24.

Angela Peck Campbell, MD: Respiratory Viruses Other than Influenza Virus: Impact and Therapeutic Advances. Nichols WG, Peck Campbell AJ, Boeckh, M. *Clin Microbiol Rev*, 2008;21(2),274-90.

Nigel Bamford, MD, Pediatrics and Neurology: Repeated methamphetamine causes long-lasting presynaptic corticostriatal depression that is renormalized with drug readministration. Bamford NS, Zhang H, Joyce JA, Scarlis CA, Hanan W, Wu N-P, André VM, Cohen R, Cepeda C, Levine MS, Harleton E, Sulzer D. (2008) Neuron. 58 (1): 89-103.

Drs. Joel S. Tieder, Darren Migita, Charles Cowan, Sandy Melzer: Newborn care by pediatric hospitalists in a community hospital: effect on physician productivity and financial performance. Tieder JS, Migita DS, Cowan CA, Melzer SM. Arch Pediatr Adolesc Med. 2008;162:74-8.

Drs. Joel Tieder, Charles Cowan, Michelle Garrison, Dimitri Christakis: Variation in inpatient resource utilization and management of Apparent Life-Threatening Events. Tieder JS, Cowan CA, Garrison MM, Christakis DA. The Journal of Pediatrics. May 2008 (Vol. 152, Issue 5, Pages 629-635)

Craig E. Rubens, MD, PhD:

1. L-Ficolin/mannose-binding lectin-associated serine protease complexes bind to group B streptococci primarily through N-acetylneuraminic acid of capsular polysaccharide and activate the complement pathway. Aoyagi Y, Adderson EE, Rubens CE, Bohnsack JF, Min JG, Matsushita M, Fujita T, Okuwaki Y, Takahashi S. 2008. Infect Immun 76(1):179-188.

2. Host airway proteins interact with *Staphylococcus aureus* during early pneumonia. Ventura CL, Higdon R, Kolker E, Skerrett SJ, Rubens CE. 2008. Infect Immun, 76(3):888-898.

Greg Redding, MD:

1. Interstitial Lung Disease In: Pediatric Respiratory Medicine, Taussig LM and Laudau LI (2nd Edition), 2008. Redding GJ, Deterding, RR, Fan LL.

2. American Thoracic Society Documents-An Official ATS Workshop Report: Issues in Screening for Asthma in Children. Redding, GJ, co-author on behalf of the ATS Ad Hoc Committee on Issues in Screening for Asthma in Children. *Proc Am Thorac Soc* 4:133-141, 2007.