

## Department of Pediatrics Newsletter

Items to be covered in this edition:

- I. Important Dates
- II. Welcome to New Faculty & Changes in Current Faculty
- III. Faculty News
- IV. Faculty Publications and Presentations

### I. IMPORTANT DATES

**October 21: Promotion Criteria meeting.** 5-6:30pm W-3747B. Acting Instructors, Acting Assistant Professors, Assistant Professors, Research Assistant Professors, New Faculty and Interested Faculty: Chris Gleason and Fred Rivara give a talk annually for faculty on promotion criteria for different faculty tracks and the promotion process. The goal is to take some of the mystery out of the process, help you think ahead to what are the components of the promotion packet that need to be assembled, and to prepare now to make this process less stressful. This is intended for junior faculty as well as all new faculty so that all can understand the criteria and process. Please RSVP to Diane Wade ([dmw@uw.edu](mailto:dmw@uw.edu)) if you would like to attend.

**October 28: Department of Pediatrics Faculty Meeting.** 5:30-8:00pm in Wright Auditorium. The topics will be: a presentation of Children's University Medical Group (our practice plan); A presentation of our CPI staff on how to use a tool called the A3 to do spot improvements using the Toyota system in your areas. These two topics were specifically requested by our faculty and the program should be very informative and interactive. Contact Diane Wade ([dmw@uw.edu](mailto:dmw@uw.edu) or 206-987-1713) with questions.

**November 5: The Lana Staheli Endowed Lecture** followed by the **Annual Work-Life Balance Symposium**. The theme for the day will be "Survive and Thrive: Promoting Resilience and Balance among Pediatric Health Care Professionals", and will feature guest lecturer, Dan Shapiro, PhD, who is Professor and Chair of the Humanities Department at Penn State College of Medicine. Contact Kathie Kohorn with questions: [kathie.kohorn@seattlechildrens.org](mailto:kathie.kohorn@seattlechildrens.org)

**November 17: Non-mandatory promotions meeting** of professors and associate professors. 7:30-9:00am in W3747A. Contact Diane Wade ([dmw@uw.edu](mailto:dmw@uw.edu) or 206-987-1713) with questions.

### II. WELCOME TO NEW FACULTY & CHANGES IN CURRENT FACULTY

Name	Rank	Division
Tim McQuinn, MD	Professor	Cardiology
Thida Ong, MD	Acting Assistant Professor	Pulmonary
Agustin Rubio, MD	Assistant Professor	Cardiology
Changes in Current Faculty Appointments		
Darren Migita, MD	FTCF-Clinical Assistant Professor	Hospital Medicine
Suzinne Pak-Gorstein, MD, MPH, PhD	Assistant Professor	General Pediatrics

### III. FACULTY NEWS

**Omar Bhutta, MD**, has been named a recipient of the ACGME's inaugural David C. Leach, MD Award, which acknowledges and honors residents, fellows, and resident/fellow teams and their contribution to graduate medical education. Dr. Bhutta was nominated by the Pediatrics residency program for his dedication to pediatrics, education, and the improvement of the clinical care and educational environment and was one of five national recipients among all residents in the U.S. Dr. Bhutta will be presented with his award during the ACGME's annual conference in March 2010.

**Sandra Juul, MD, PhD**, received a new NIH ARRA Supplement of \$336K on R01 "Optimizing neuroprotection following perinatal asphyxia".

**Richard Wennberg, MD**, Clinical Professor: New NIH ARRA Supplement of \$51K on R21 "Risk factors for encephalopathy in newborns with severe hyperbilirubinemia".

**Carol Wallace, MD**, received a grant in the amount of \$497,649. Project Title: Comparative Effectiveness Research in Pediatric Rheumatic Diseases: Leveraging CA.

**Dan Doherty, MD, PhD**, received a 2 year \$150,000 Basil O'Connor Award from the March of Dimes entitled "Characterization of CC2D2A, a novel gene for Joubert syndrome."

**Karen Murray, MD**, was awarded a U01 from NIDDK/NIH as one of 15 participants in a research network to study cholestatic liver disease in children. It is \$1.5 million over 5 years to support epidemiologic, mechanistic, and treatment studies for these diseases. Locally she will be partnering with Simon Horslen, Pat Healey, and Laura Finn.

**John McGuire, MD**, received a grant for his project: Epithelial-leukocyte interactions in the regulation of pulmonary inflammation in cystic fibrosis from the Cystic Fibrosis Foundation Research Development Program. October 1, 2009-September 30, 2011. \$72,000.

**Michael Bamshad, MD**, ARRA - NHLBI Lung Cohorts Sequencing Project, Administered by the NHLBI Division of Lung Diseases, Airway Biology and Disease Branch. FY 2009 Recovery Act Funding: \$2,594,102. Link to a video about the new project. **Dr. Ron Gibson** is also featured. <http://www.nhlbi.nih.gov/recovery/researchers/index.php?id=219>

**Michael Cunningham, MD, PhD**, has received funding on three grants as part of the "FaceBase Consortium". This five-year initiative aims to develop tools to understand normal and abnormal development of the midface and define the genetics underlying common developmental disorders such as cleft lip and palate.

1. FaceBase Management and Coordination Hub (NIH/NIDCR - U01 DE 020057)

Co-Investigator for clinical and translational efforts for this FaceBase Management and Coordination Hub. Co-Principal Investigators: Drs. Mary Marazita (University of Pittsburgh) and Jeff Murray (University of Iowa).

2. Shape-Based Retrieval of 3D Craniofacial Data (NIH/NIDCR - U01 DE 020050)

Co-Investigator and clinical lead for the development of tools for shape based retrieval of 3D craniofacial data. Principal Investigator: Dr. Linda Shapiro, University of Washington Department of Computer Science and Engineering.

3. 3D Analysis of Normal Facial Variation: Data Repository and Genetics (NIH/NIDCR - U01 DE 020078)

Co-Investigator and subcontract PI on a project to develop a 3D image and biologic sample repository for individuals without craniofacial conditions. 1000 individuals will be recruited for this project. Co-Principal Investigators: Drs. Mary Marazita and Seth Weinberg (University of Pittsburgh). This work will parallel efforts of Dr. Carrie Heike and serves as a valuable resource for ongoing projects, including the recently funded NIH Challenge grant "Genome-Wide Association Study of Craniofacial Microsomia" (RC1 DE 20270) received by Drs. Starr and Heike.

The National Heart, Lung and Blood Institute has awarded \$8.5 million to **Irwin Bernstein, MD**. This grant represents part of a \$170 million effort involving 18 teams of research scientists dedicated to developing stem- and progenitor-cell tools and therapies. Bernstein, along with Hutchinson Center/UW Cancer Consortium researchers and the University of Pennsylvania's Edward Morrissey, PhD, is using his award to determine how certain signaling pathways—ordered sequences of biochemical reactions inside cells—affect cardiac and blood-forming cell development and cardiac regeneration and repair. The team will also study whether these pathways can be harnessed for therapeutic applications. Drawing on Bernstein's success in expanding cord-blood stem cells, the researchers hope to refine methods for deriving therapeutically useful numbers of cells for transplantation and other treatments.

The following four awards were presented to members of the Seattle Children's Medical Staff at the American Academy of Pediatrics National Conference in Washington, DC this week:

**Jerry Zimmerman, MD**, Chief of the Critical Care Division and Professor of Pediatrics, received the Distinguished Career Award (Critical Care Section) which honors a pediatric intensivist who has made significant contributions to the field of pediatric critical care.

**Don Shifrin, MD**, was recognized by the AAP with the Holroyd-Sherry Award for outstanding contributions in the area of media's influence on child and adolescent health, and work in the areas of advocacy, legislation, research, and education which addresses and suggests solutions to the health implications raised by child and adolescent use of media. Don Shifrin is a pediatrician at Pediatrics Associates.

**Wendy Mouradian, MD**, received the Oral Health Service Award which recognizes an individual who, during the course of their career, has made significant contributions to the advancement of pediatric oral health through activities within the American Academy of Pediatrics. Wendy Mouradian is a faculty member at the University of Washington School of Dentistry.

**Paul Williams, MD**, received the Jerome Glaser Distinguished Service Award (Allergy and Immunology Section) which recognizes an outstanding pediatric allergist for contributions in education and as a clinician-teacher. He is a clinical professor of pediatrics.

#### IV. FACULTY PUBLICATIONS AND PRESENTATIONS

**John F. (Jeff) McLaughlin, MD**, Professor, Pediatrics, Division of Developmental Medicine: ARRA Challenge Grant award from NIH, Pediatric Hemiparesis: Synergistic Treatment using repetitive transcranial magnetic stimulation (rTMS) and constraint induced therapy (CIT). Primary PI : James Carey, PT, PhD, University of Minnesota. 10/1/2009 to 9/30/2011.

**Tom Strandjord, MD, Dennis Mayock, MD, and Sandra Juul, MD, PhD**: Effects of transfusions in extremely low birth weight infants: a retrospective study. *J Pediatr* 2009;155:331-7, e1. Valieva OA, Strandjord TP, Mayock DE, Juul SE.

**Sandra Juul, MD, PhD**: Resident duty hours: is less really more? *J Pediatr* 2009;154:631-2, e1. Brion LP, Neu J, Adamkin D, Bancalari E, Cummings J, Guttentag S, Juul S, Norwood VF, Ryan RM.

**Dan Doherty, MD, PhD**: Pontine Tegmental Cap Dysplasia: MR Imaging and Diffusion Tensor Imaging Features of Impaired Axonal Navigation. *American Journal of Neuroradiology* (2009) 30(1):113-9. PMID 18842761. Jissendi-Tchofo P, Doherty D, McGillivray G, Hevner R, Shaw D, Ishak G, Leventer R, Barkovich AJ.

**Dan Doherty, MD, PhD, and Ian Glass, MB, ChB, MD**:

1. MKS3-related Ciliopathy with Features of Autosomal Recessive Polycystic Kidney Disease, Nephronophthisis and Joubert Syndrome. *Journal of Pediatrics* (2009) 155(3):386-92. PMID: 19540516. Gunay-Aygun M, Parisi MA, Doherty D, Tuchman M, Tsilou E, Kleiner DE, Huizing M, Turkbey B, Choyke P, Guay-Woodford L, Heller T, Johnson CA, Glass IA, Gahl WA.

2. Eye Movement Abnormalities in Joubert Syndrome. *Investigative Ophthalmology & Visual Science* (2009) 50(10):4669-77. PMID: 19443711. Weiss AH, Doherty D, Parisi M, Shaw D, Glass I, Phillips JO.

**Dan Doherty, MD, PhD, Ian Glass, MB, ChB, MD, and Phillip Chance, MD**: Mutations in 3 genes (*MKS3*, *CC2D2A* and *RPGRIP1L*) cause COACH syndrome (Joubert syndrome with congenital hepatic fibrosis). *Journal of Medical Genetics* (2009) in press. Doherty D, Parisi MA, Finn LS, Gunay-Aygun M, Al-Mateen M, Bates D, Clericuzio C, Demir H, Dorschner M, van Essen AJ, Gahl WA, Gentile M, Gordon NT, Hikida A, Knutzen D, Özyurek H, Phelps I, Rosenthal P, Verloes A, Weigand H, Chance PF, Dobyns WB, Glass IA.

**Richard Wennberg, MD**, Clinical Professor:

1. Intervention guidelines for neonatal hyperbilirubinemia: an evidence based quagmire. **Wennberg RP**, Ahlfors CE, Aravkin AY. *Curr Pharm Des.* 2009;15(25):2939-45.

2. Unbound (free) bilirubin: improving the paradigm for evaluating neonatal jaundice. Ahlfors CE, **Wennberg RP**, Ostrow JD, Tiribelli C. *Clin Chem.* 2009 Jul;55(7):1288-99.

**Chuan Zhou, PhD**, Research Assistant Professor:

1. Forecasting Emergency Department Crowding: An External, Multi-Center Evaluation. *Annals of Emergency Medicine*, 54(4):514-522. Hoot NR, Epstein SK, Allen TL, Jones SS, Baumlin KM, Chawla N, Lee AT, Pines JM, Klair AK, Gordon BD, Flottesch TJ, LeBlanc LJ, Jones I, Levin SR, Zhou C, Gadd CS, Aronsky D. (2009).

2. A Systematic review of emergency department point-of-care cardiac markers and ED efficiency measures. Point of Care, 8(3): 121-125. Storrow, AB, Lyon, J, Porter, M, Zhou, C, Han, J, Lindsell, CJ (2009).
3. Forecasting emergency department crowding: a prospective, real-time evaluation. J Am Med Inform Assoc, 16(3):338-45. Hoot NR, Leblanc LJ, Jones I, Levin SR, Zhou, C, Gadd CS, Aronsky, D.(2009)
4. Delirium in the nursing home emergency department patients. Journal of the American Geriatrics Society, 57(5):889-94. Han, J, Ely, E, Clay, C, Zhou, C, Storrow, A, Dittus, R, Habermann, R, and Schnelle, J (2009).
5. A Randomized, Crossover Comparison of Injected, Buffered Lidocaine, Lidocaine Cream, and No Analgesia for Peripheral Intravenous Cannula Insertion. Annals of Emergency Medicine, 54(2):214-20. McNaughton, C, Zhou, C, Storrow, A, Kennedy R (2009).
6. Prevalence of Incidental Findings in Trauma Patients Detected by Computed Tomography Imaging. American Journal of Emergency Medicine, 27(4):428-35. Barrett, TW, Schierling, M, Zhou, C, Colfax, JD, Russ, S, Conatser, P, and Wrenn K. (2009)
7. A Likelihood Ratio Test of Population Hardy-Weinberg Equilibrium for Case-Control Studies. Genetic Epidemiology , 33(3):275-280. Yu, C, Zhang, SG, and Zhou, C, Sile S.(2009)

---

**\*Please let us know of your latest publications, awards, and honors by emailing [Brooke Freed](mailto:Brooke.Freed).**

Past newsletters are available online on the UW Pediatrics website at:

[http://www.washington.edu/medicine/pediatrics/news\\_letters/news\\_public.php](http://www.washington.edu/medicine/pediatrics/news_letters/news_public.php)