Cool Stuff from the Literature

- How does popping your knuckles create a sound? Is it a gaseous bubble forming as joint surfaces separate or is it the bubble collapsing? In a recent study using fast acquisition MRI, investigators have finally been able to put the debate to rest! The aptly named “pull my finger protocol” detected gas escaping from synovial fluid (forming a bubble!) upon traction of the digits. (PlosOne|Article)

- There have been lots of studies recently about the microbiome. Now, investigators at CalTech have detailed how microbes in the intestine regulate serotonin metabolism and systemic integration of neuronal signals. (Cell|Article)

- Most cell migration studies investigate how single cells move in isolation. This paper looks at how groups of cells move during development. The investigators have shown how actin flows occur as hematocytes (the fruit fly version of macrophages) interact with other cells and migrate throughout tissues. (Cell|Article)

Division of Neonatology Happenings

As you were flipping through the channels before work last week, did you happen to hear any familiar voices? Jose Honold was featured on Univision discussing the importance of immunizations during National Infant Immunization Week and Lance Prince was on SignOn Radio, the station associated with the Union Tribune, spreading the word about the March of Dimes March for Babies taking place this Saturday, April 25th at Balboa Park. Thanks so much to you both for being such great spokesmen for our group!

Upcoming Seminars and Conferences

- **Tuesday, April 21st**— “Gene Regulatory Network Analysis of Neural Crest Development” Presented by Marianne Bronner, PhD (California Institute of Technology) 2:00-3:00 Natural Science Building, Room 1205

- **Wednesday, April 22nd**— “Orphan Receptor Gpr17 Regulates Appetite and Glucose Metabolism: Identifying Novel CNS Targets for Metabolic Disease Therapy” Presented by Hongxia Ren, PhD (Columbia University) 12:00-1:00 Marilyn G. Farquhar Seminar Room, UCSD La Jolla

- **Thursday, April 23rd**— “TRP Channels of the Pain Pathway: Connecting Physiology to Atomic Structure” Presented by David Julius, PhD (UCSF) 4:00pm Salk Institute for Biological Studies, Conrad T. Prebys Auditorium

- **Friday, April 24th** — **Pediatric Grand Rounds** “Mitochondrial Dysfunction and Diabetic Complications” Presented by Kumar Sharma, MD, FAHA (UCSD) 8:30-9:30 RCHSD MOB 113

- **Saturday, April 25th**— **Tuesday, April 28th** PAS is finally here! Learn about the great advances happening in the field and remember to check your Division itinerary and support the great work being undertaken across our group!

Grant Announcements & Funding Opportunities

Don’t just support March of Dimes by participating in the March for Babies, take advantage of the great resources they provide by applying for a March of Dimes grant. You still have 10 days to submit an LOI!

- The general March of Dimes research portfolio funds many different areas of research on topics related to our mission to prevent birth defects, premature birth, and infant mortality. Deadline for LOI is 4/30/2015. (more details)