

Sumner Lab Updates – July 2017

1. NIH Study Sections

- a. Susan Sumner served on the NIEHS Outstanding New Environmental Scientist (ONES) Study Section on June 28, 2017
- b. Susan Sumner served on the NIEHS Virtual Consortium for Translational/Transdisciplinary Environmental Research (ViCTER) Study Section (June 22, 2017)

2. Editorial and Reviewer Service

- a. Wimal Pathmasiri served as a reviewer for Metabolomics (July 2017)
- b. Susan Sumner served as an Associate Editor for Environmental Health Perspectives (June and July, 2017)
- c. Delisha Stewart served as a reviewer for the University of Michigan's Metabolomics and Obesity Center / Nutrition Obesity Research Center Pilot and Feasibility Program (July 2017)

3. Invited Presentations

- a. Susan Sumner
Metabolomics and Cell-Based Research
Humacyte, Inc.
June 27, 2017
Morrisville, NC
- b. Susan McRitchie
Biomarkers in Maternal and Child Health
12th International Conference on Pathways, Networks, and Systems Medicine
June 29 – July 4, 2017
Crete, Greece
- c. Susan Sumner and Wimal Pathmasiri
Metabolomics in Kidney Disease
Sri Lanka Medical Association
130th Anniversary International Medical Congress
July 13-16, 2017
Colombo, Sri Lanka
- d. Susan Sumner
Metabolomics in Nutrition Research
ILSI North America FNSP Mid-Year Meeting
July 18, 2017
Arlington, VA

4. Teaching

- a. Wimal Pathmasiri and Delisha Stewart taught sessions on NMR Metabolomics at the 5th Annual Workshop on Metabolomics (July 16-21, 2017) at the University of Alabama at Birmingham.

5. Workshops and Meetings

- a. Reza Ghanbari and Susan Sumner presented at a joint NIDA-NCI meeting on June 7, 2017 in Rockville, MD
- b. Susan Sumner and Reza Ghanbari attended NIDA Genetics Consortium Meeting (June 8-9, 2017) in Rockville, MD
 - i. Susan Sumner was a breakout session leader at the Consortium Meeting
- c. Susan Sumner attended the NIEHS Children's Health Exposure Analysis Resource (CHEAR) Steering Committee Meeting on June 21, 2017 in Rockville, MD
- d. Wimal Pathmasiri attended the Biocrates Targeted Metabolomics Workshop and User Meeting on June 22, 2017 at Duke University.
- e. Yuan Li attended the Metabolomics in Translational Research Summit on July 25-26, 2017 in Washington, DC.

6. Publications

- a. Johnson-Weaver BT, **McRitchie S**, Mercier KA, **Pathmasiri W**, **Sumner SJ**, Chan C, Germolec D, Kulis M, Burks AW, Staats HF. Effect of endotoxin and alum adjuvant vaccine on peanut allergy. *Journal of Allergy and Clinical Immunology* (Accepted July 2017).
- b. Audet GN, Dineen SM, **Stewart DA**, Plamper ML, **Pathmasiri WW**, **McRitchie SL**, **Sumner SJ**, Leon LR (2017). Pre-treatment with indomethacin results in increased heat stroke severity during recovery in a rodent model of heat stroke. *Journal of Applied Physiology* doi: 10.1152/jappphysiol.00242.2017
- c. Grego S, Dougherty ER, Alexander FJ, Auerbach SS, Berridge BR, Bittner ML, Casey W, Cooley PC, Dash A, Ferguson SS, Fennell TR, Hawkins BT, Hickey AJ, Kleensang A, Liebman MN, Martin F, Maull EA, Paragas J, Oiao G, Ramaiahgari S, **Sumner SJ**, Yoon M (2017). Systems biology for organotypic cell cultures. *ALTEX* 34(2), 301-310 doi: 10.14573/altex.1608221

7. Other Activities

- a. Yuan Li is coordinating the installation of two new mass spectrometers for the Sumner Lab (Thermo Q-Exactive and Waters Synapt G2-SI)

8. Welcome

- a. Dr. Reza Ghanbari and his family arrived from Iran on May 15, 2017. Reza will be working with the Sumner Lab as a NIDA INVEST Fellow, under funding he received in May 2017 from the National Institute on Drug Abuse at NIH.