DR. T’S CORNER

President Trump Announces Intent to Nominate Jerome M. Adams to the Public Health Service

If confirmed, Jerome M. Adams of Indiana will serve as Medical Director in the Regular Corps of the Public Health Service, subject to qualifications therefor has provided by law and regulations, and to be Surgeon General of the Public Health Service for a term of four years. Currently Dr. Adams is the Indiana State Health Commissioner. Previously, he served as a Staff Anesthesiologist and Assistant Professor of Anesthesia at the Indiana University School of Medicine. He holds a BS in Biochemistry; a BA in Biopsychology from the University of Maryland Baltimore County; a Masters in Public Health (MPH) from the University of California at Berkeley and an MD from the Indiana University School of Medicine, where he also completed his anesthesia residency. His Awards include the Indiana Center for Leadership Development Achievement Award (2017); the Sagamore of the Wabash Award (highest civilian honor from the State of Indiana), from Governor Mike Pence (2016); Indiana Rural Health Association Health Policy Advocate Award (2016); Indiana University Early Career Achievement Award (2016); and the Indiana University Teaching Award.

CORE INFORMATION

The Bioengineering Core (www.medschool.ucdenver.edu/Bioengineering) received a request for generating transgenic rats. Establishing this service at UCD SOM would require significant resources and additional training for our staff. This would only be feasible if a significant user base exists at UC Denver. Please let us know (Gates.Bioengineering@ucdenver.edu) if:

1. You are planning to generate transgenic rats within the next two years
2. If you are funded to conduct these experiments.

RESEARCH CORNER

As you read these words, your eyes are sending signals to your brain, and your brain is interpreting those signals to decipher words. My research in computational neuroscience identifies the language of this signaling, and the mechanisms that shape that language. For example, what patterns of nerve impulses correspond to an “a” or an “e”, and how does the circuitry in the eye generate those impulse patterns? By advancing our understanding of this “neural code”, my work has led to a silicon chip that mimics the way the visual cortex learns during development, explained how the eyes reliably send information to the brain, and suggested universal principles underlying the brain’s ability to accurately store information about the outside world. My future work will apply my expertise in sensory neuroscience and machine learning to create a “camera to brain” translator that will restore sight to the blind. In parallel, I am developing new data-science methods that will infer changes in synaptic strength from in vivo neural data, thereby enabling us to reveal the role of behavioral context in modulating learning via synaptic plasticity.

Joel Zylberberg, Ph.D.
Announcing

2018 Alcohol and Immunology Research Interest Group (AIRIG) meeting
Friday January 26, 2018, 8 am – 5 pm, Krugman Conference Hall, RC2
University Colorado Denver Anschutz Medical Campus (Aurora, CO)

Abstract and Travel Award Application Deadline: Thursday November 2, 2017

Themes for the 2018 meeting include:
1) Alcohol and Mucosal Barriers
2) Alcohol and Liver (Innate Immunity and Signaling)
3) Alcohol and Tissue Injury, Inflammation and Repair

Confirmed invited speakers:

Sean Colgan (University of Colorado Denver)
"Microbiota-derived Factors That Influence Mucosal Barrier Function"

Mitch Cohen (University of Colorado Denver)
"Translational approaches to acute traumatic coagulopathy: The effects of alcohol and injury on coagulation and inflammation"

Craig Coopersmith (Emory University)
"Chronic alcohol and sepsis – molecular and cellular insights"

Michelle Foster (Colorado State University)
"High Fat Diet-Induced Alterations in Lymph Node Structure and Function"

Bin Gao (NIAAA)
"Mitochondrial DNA enriched extracellular vesicles promote acute-on-chronic alcoholic neutrophilia and hepatotoxicity"

Hide Tsukamoto (University of Southern California)
"Cell fate regulation in alcohol-associated liver inflammation, fibrosis, and cancer"

Mariann Piano (University of Illinois Chicago)
"Cardiovascular health risks associated with binge drinking among young adults"

Abstracts from all areas of alcohol and immunology are welcome.

Abstract and travel award submission, suggested hotels, registration, etc. will be available soon (see www.arp.cusurgery.com).

For more information contact us via email:

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