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The University of Arizona
Health Sciences

UAHS Career Development Award Research Symposium, Wednesday, June 8

8:30 a.m. - 4:30 p.m.

Skaggs Pharmacy Building, Room 325

Fifteen recipients of 2014 and 2015 UAHS Career Development Awards will present their research and findings at the inaugural annual UAHS CDA Research Symposium. The all-day event will showcase the clinical and translational research by these junior UA Health Sciences faculty members – the next generation of physician-scientists.

The UAHS CDA funding provides the selected scholars with mentorship, research training and salary support of \$75,000 for up to two years plus funding to defray research-related expenses. The research by these outstanding young investigators is generating preliminary data for future major grant support. Most of them have submitted grant proposals to various funding agencies, and some already have received funding to enable them to continue the research projects/programs initiated by their UAHS CDA.

The CDA Research Symposium is an excellent opportunity for UA faculty, current CDA recipients and potential applicants for the 2016 CDA (see following) to develop collaborative research projects or programs that promote career development and are competitive for extramural funding.

UAHS CDA Research Symposium program

8:30-8:45 a.m. Sign-in and Coffee

8:45-9:00 a.m. **Welcome Remarks, Joe G.N. “Skip” Garcia, MD**, senior vice president for health sciences, University of Arizona Health Sciences; Dr. Merlin DuVal Professor of Medicine

9:00-9:15 a.m. **CDA Overview and Symposium Introduction, Jason X.-J. Yuan, MD, PhD**, associate vice president for translational health sciences, University of Arizona Health Sciences, and professor of medicine

Session I: Disease-focused Cell and Molecular Science Research
(Chairs: **Charles B. Cairns, MD**, and **Stephen M. Black, PhD**)

9:15-9:35 a.m. **May Khanna, PhD**, *Designer drugs for chronic pain: indirect modulation of Nav1.7*

9:40-10:00 a.m. **Megan J. Smithey, PhD**, *Defining immune control of*

human cytomegalovirus over the lifespan

10:05-10:25 a.m. **Olga Rafikova, MD, PhD**, *Understanding the gender-specific phenotypes of pulmonary arterial hypertension: another approach for precision medicine*

10:30-10:50 a.m. **Amol M. Patwardhan, MD, PhD** (Presented by **Mohab Ibrahim, MD, PhD**), *Intraoperative hypothermia and novel therapeutic approaches*

10:50-11:00 a.m. Break

Session II: Translational and Clinical Research

(Chairs: **Monica Kraft, MD**, and **Leigh A. Neumayer, MD**)

11:00-11:20 a.m. **Ankit A. Desai, MD, FAHA, FACC**, *IL-18 mediates sickle cell cardiomyopathy and inducible ventricular tachycardia*

11:25-11:45 a.m. **Cristine E. Berry, MD, MHS**, *A distinct low lung function trajectory from childhood to the fourth decade of life*

11:50-12:10 p.m. **Katri V. Typpo, MD**, *Early parenteral nutrition does not worsen intestinal barrier function or microbiome diversity*

12:15-12:55 p.m. Lunch on own – light refreshments will be served near Skaggs Room 325

Session III: Population Health Sciences and Clinical Research

(Chairs: **Jefferey L. Burgess, MD**, and **Yves A. Lussier, MD**)

1:00-1:20 p.m. **Archita P. Desai, MD**, *Hospital admissions and readmissions in patients with cirrhosis: The role of co-morbid conditions*

1:25-1:45 p.m. **Jarrod M. Mosier, MD**, *Development of novel methods of respiratory support for acute lung injury*

1:50-2:10 p.m. **Eyal Oren, PhD, MS** (Presented by **Cristine E. Berry, MD, MHS**), *Chronic stress and asthma among children and adolescents*

2:15-2:35 p.m. **Pavani Chalasani, MD, MPH**, *Development of predictive biomarkers for AI-induced MSK side effects in patients with breast cancer*

Session IV: Health Disparities & Community Research

(Chairs: **Akinlolu O. Ojo, MD, PhD**, and **Mindy J. Fain, MD**)

2:40-3:00 p.m. **Francine C. Gachupin, PhD, MPH, CIP** (Presented by **Michelle Kahn-John, PhD, RN**), *Leveraging cultural capital in diabetes prevention for youth: The medical wellness model*

3:05-3:25 p.m. **Michelle Kahn-John, PhD, RN**, *Depression in Diné (Navajo) adults who participate in the Diné Hóchxó'íjí (Navajo Evil Way) Ceremony*

3:30-3:50 p.m. **Christian Bime, MD, MSc**, *SELPLG as a candidate gene*

in acute respiratory distress syndrome

3:55-4:15 p.m. **Wei-Hsuan Jenny Lo-Ciganic, PhD, MS, MSPharm**
(Presented by **Daniel Malone, RPh, PhD**), *Applying novel statistical
methods in pharmaceutical outcome research*

Symposium Summary

4:20-4:30 p.m. **Jason X.-J. Yuan, MD, PhD**, and **Monica Kraft, MD**,
professor and Robert and Irene Flinn Endowed Chair of Medicine,
Department of Medicine, UA College of Medicine – Tucson

About the UAHS Career Development Award

(2016 UAHS CDA application deadline is June 15)

In 2014, the Office of the Senior Vice President for Health Sciences established the UAHS Career Development Award program, following NIH KL2 guidelines, to provide research training and funding opportunities for junior faculty members in the health sciences to foster academic careers in clinical and translational research. The SVPHS office is continuing to support the program in 2016.

The CDA represents a key step for UAHS to establish and provide well-organized infrastructure and a nurturing environment for training, developing and advancing the next generation of physician-scientists and other health scientists.

The award provides funding to support physicians, physician-scientists and health scientists across disciplines to develop a research project in an established investigator's laboratory/program to generate preliminary data for a future competitive grant application (for example, NIH K-series award, such as K08, K23; and the NIH-R01 grant). The award allows promising UA health scientists protected time to conduct clinical and translational research under the direction of a well-funded and highly productive UA research mentor.

UAHS CDA scholars will receive salary support of \$75,000 per year for two years or funds to cover about 75 percent assigned effort of the current total base salary (if it is less than \$75,000), plus fringe benefits (ERE). As much as \$5,000 per year will be available to defray costs associated with the scholar's research-related activities, including lab supplies, tuition and fees, among other items. In addition, the UAHS CDA will provide \$1,500 per year for the scholar to travel to one or more academic conferences. The scholars will be selected by a UAHS CDA Advisory Committee, composed of established investigators. The mentor of awarded scholars also receives \$5,000/year to contribute toward his/her research program.

For information on how to apply for this important funding opportunity, please go to: <http://azicats.uahs.arizona.edu/funding-opppportunity/uahs-career-development-award>

Deadline: Applications need to be submitted by **Wednesday, June 15, 2016**

Online Application: <http://grant.azahec.org/KL2form>

Questions: Please contact:

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