

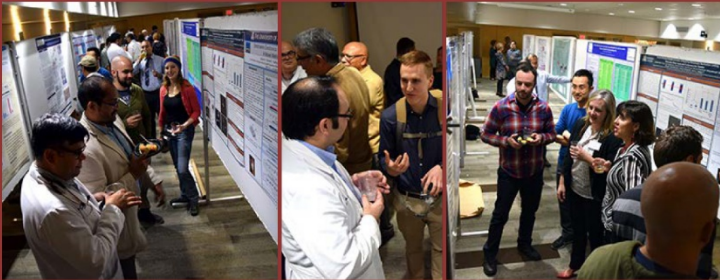


THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Department
of Medicine

P.I. POSTER

Session 2018



Light refreshments & beverages served.

Forty posters representing clinical and basic science to translational research on advanced genomic and precision medicine studies.

Pursue collaboration, research training & mentorship opportunities for junior investigators, fellows, residents and medical students.

Wednesday, Jan. 24, 2018

5:30 – 7:30 p.m.

**Kiewit Auditorium | UA Cancer Center
UA Health Sciences Campus**



THE UNIVERSITY
OF ARIZONA

**This Second Annual
UA Department of Medicine P.I. Poster Session**
recognizes work across the department by faculty physicians and researchers who serve as principal investigators on numerous projects financed by federal grants and additional funding to develop innovative therapies and other solutions to many of the world's most debilitating medical issues.

The research poster night event is brought to you by the DOM Office of the Chair and the Vice Chair for Research.

We hope you mingle, learn, make connections and find this venue a rewarding exchange that inspires you to expand your horizons and collaborate with us to help advance patient-centered and evidence-based solutions to the future of health care.



Monica Kraft, MD

Professor, Medicine;
Chair, Department of Medicine, UA College of Medicine – Tucson;
Deputy Director, Asthma and Airway Disease Research Center, UA Health Sciences; and
The Robert and Irene Flinn Endowed Chair of Medicine, University of Arizona



Jil Tardiff, MD, PhD

Professor, Medicine and Cellular and Molecular Medicine, College of Medicine – Tucson;
Vice Chair for Research, Department of Medicine;
Member, UA Sarver Heart Center and BIO5 Institute; and The Steven M. Gootter Endowed Chair for the Prevention of Sudden Cardiac Death, University of Arizona

Investigator(s)	DOM Unit	Poster Title
Julia Indik, Aakash Shah, Iwan Nyotowidjojo, et al	Cardiology Board 1	Risks and Outcomes for Patients that Undergo Thoracic Versus Non-Thoracic Magnetic Resonance Imaging Who Have a Magnetic Resonance Non-Conditional Cardiac Implantable Electronic Device
Elizabeth Juneman, Carol Gregorio, Steven Goldman, et al	Cardiology Board 2	Mapping and Inducing Ventricular Tachycardia in Cardiomyopathic Animal Models
Jil Tardiff, J.R. Exequiel Pineda, Melissa Lynn	Cardiology Board 3	CEL4 Mediated TNNT2 Splicing in the Development of Post-Anthracycline Associated Early DCM
Tam Troung, Kapildeo Lotun, Karl Kern	Cardiology Board 4	Combining Mechanical Chest Compressions with a Percutaneous Left Ventricular Assist Device Improves Favorable Neurological Function After Cardiac Arrest in the Large Animal Catheterization Laboratory
Vivian Shi, James Sligh, George Wondrak	Dermatology Board 5	Linking epidermal barrier function with Nrf2-mediated antioxidant defense mechanism in atopic dermatitis
Dawn Coletta, Lawrence Mandarino, Lori Roust, et al	Endocrinology Board 6	Epigenetic Modifications of Skeletal Muscle Contribute to the Weight Loss Induced by Roux-en-Y Gastric Bypass Surgery

Investigator(s)	DOM Unit	Poster Title
Karen Herbst, et al	Endocrinology Board 7	The TREAT Program: Treating, educating and researching fat disorders towards a cure
Lawrence Mandarino, Moulon Luo, Paul Langlais, et al	Endocrinology Board 8	The Uncharacterized Protein VWA8 Coordinates Hepatocellular Bioenergetics and Fuel Delivery
Shilpa Junna, et al	Gastroenterology Board 9	Frailty Predicts Colonoscopy Outcomes
Juanita Merchant, et al	Gastroenterology Board 10	Gastrin stimulates Nuclear Export of Menin and Proteasomal degradation in Enteric Glial Cells & Canonical Hedgehog signaling with <i>Helicobacter</i> infection to induce Gastric Metaplasia
Thu Pham, Bhaskar Banerjee, Khanh Kieu	Gastroenterology Board 11	Multi-photon Microscopy as an Imaging Modality for Pancreatic Cancer Margin Determination
Manish Shrestha, et al	Gastroenterology Board 12	Decreasing <i>Clostridium difficile</i> -associated mortality rates among hospitalized patients in the United States: 2004-2014
Eugene Bleecker, et al	Genetics, Genomics & Precision Medicine Board 13	Genome-Wide Association Identifies rs28929474 (Glu342Lys) in SERPINA1 Associated with Post-Bronchodilator FEV1/FVC and Percent Predicted FEV1 in SPIROMICS

Investigator(s)	DOM Unit	Poster Title
April Erlich, Mindy Fain, Jane Mohler, et al	Geriatric, General Internal & Palliative Medicine Board 14	Implementing NISQIP Best Practice Guidelines for preoperative assessment of geriatric surgical patients & Hospital complications in elderly patients seeking elective surgery
Kady Goldlist, Mindy Fain, April Erlich, et al	Geriatric, General Internal & Palliative Medicine Board 15	Nutritional Risk and Post- Operative Outcomes in Elderly Surgical Patients
Christina Laukaitis, Corina Mauss, Kiana Diehl, et al	Geriatric, General Medicine & Palliative Care Board 16	Identifying genes predicting hypermobility Ehlers-Danlos Syndrome
Indu Partha, et al	Geriatric, General Internal & Palliative Medicine Board 17	A New Checklist for Healthcare Outpatient Rendering = ANCHOR study
Nima Toosizadeh, Jane Mohler	Geriatric, General Internal & Palliative Medicine Board 18	Assessment of dual-task motor function deterioration for detecting cognitive impairment
Hani Babiker, Emad Elquza, Daruka Mahadevan, et al	Hematology & Oncology Board 19	Correlative Analysis of ctDNA & Tumor Mutational Analysis (TMA) in Patients with Advanced Pancreatobiliary Malignancies (PBM) & Analyzing the Efficacy and Safety of Immunotherapy in Pancreatic Ductal Adenocarcinoma (PDA): A Systematic Review and Meta-analysis

Investigator(s)	DOM Unit	Poster Title
Julie Bauman, Umamaheswar Duvvuri, Robert Ferris, et al	Hematology & Oncology Board 20	Phase I study of the anti-HGF monoclonal antibody, ficlatuzumab and cetuximab in cetuximab-resistant, recurrent/metastatic head and neck cancer
Dan Persky, Hongli Li, Deborah Stephens, et al	Hematology & Oncology Board 21	A Phase II Intergroup Trial of PET-Directed Therapy for Limited Stage Diffuse Large B-Cell Lymphoma (DLBCL): SWOG Study S1001 (NCT01359592)
Faiz Anwer, et al	Infectious Diseases Board 22	A 20-Year Experience with Nocardiosis in Solid Organ Transplant (SOT) Receptients in the Southwestern United States: A Single-Center Study
Norman Beatty, Patricia Dorn, Finn McCants, et al	Infectious Diseases Board 23	Detection of a Human Blood Meal in Peridomestic and Domestic Kissing Bugs (Triatoma spp.) Utilizing a Rapid Diagnostic Test
Matthew Bronnimann, Joy Folkvord, Elizabeth Connick, et al	Infectious Diseases Board 24	Characterization of FDC-Bound Viral Products During HIV/SIV Infection
Fariba Donovan, Patrick Wightman, Aneela Majeed, et al	Infectious Diseases Board 25	Delays in Diagnosing Coccidioidomycosis within its endemic region

Investigator(s)	DOM Unit	Poster Title
Anca Georgescu, et al	Infectious Diseases Board 26	PrEP Uptake & Emergent HIV Infections in Southern Arizona: Is There A Disconnect?
Tirdad Zangeneh, et al	Infectious Diseases Board 27	<i>Clostridium difficile</i> Infection in Hematopoietic Stem Cell Transplant Patients: A Single-Center Experience
	Inpatient Medicine Board 28	
Ray Runyon, Esther Sternberg, Perry Skeath, et al	Integrative Medicine Board 29	Understanding human performances, health and wellbeing through sweat biomarkers and secretion patterns
Archita Desai, et al	Thomas D. Boyer Liver Institute Board 30	Factors Affecting Hepatic Encephalopathy & Admission Rates in Post-TIPS Patients
Diego Celdran, Prabir Roy-Chaudhury, Frank Brosius, et al	Nephrology Board 31	MRI modeling of arteriovenous fistula (AVF) stenosis in a pig model: Creating a test bed for mechanistic and therapeutic innovation & A Pig model of tunneled dialysis catheter (TDC) infection and dysfunction: opportunities for therapeutic innovation
Diego Celdran, Prabir Roy-Chaudhury, Frank Brosius, et al	Nephrology Board 32	Altered Molecular Profiles in Hemodynamically Vulnerable Segments of AVF in a Uremic Pig Model & Endothelial Dysfunction in ESRD Results from Advanced Glycation End-Products-Mediated Suppression of Krüppel-like Factor 2

Investigator(s)	DOM Unit	Poster Title
Monica Kraft, et al	Pulmonary Board 33	“Short peptides derived from the lectin domain of the Surfactant Protein A2 attenuates IL-13 induced mucin production in asthma and normal subjects”
Julie Ledford, et al	Pulmonary Board 34	Genetic Variation in Surfactant Protein-A2 Differentially Modulates Resolution of Eosinophilia During Allergic Airways Disease
Sai Parthasarathy, et al	Pulmonary Board 35	
Kent Kwoh, et al.	Rheumatology Board 36	Trajectories of Joint Space Width Loss Over Four Years of Follow-Up Among Knees with and at Risk for Knee Osteoarthritis
Ernest Vina, et al	Rheumatology Board 37	Widespread Pain Prior to Total Knee Replacement (TKR) Is Associated with Increased Risk of No Clinical Improvement in Pain among Women
Nancy Cassanova, et al	Translational Board 38	TNF- α specific PBMC responses in complicated and uncomplicated sarcoidosis by RNA-Seq
Xiaoguang Sun, et al	Translational Board 39	Lung EC Napt Promoter Activity is Induced by PAH-Relevant Stimuli and Influenced by Lung Inflammatory Disease Associated Variants
Fernando Teran-Arce, et al	Translational Board 40	Biophysical mechanisms of neurotoxicity induced by heterotypic amyloids in Alzheimer’s disease

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