124 CV COE Faculty Publications from December 2018 – March 2019

During the last three months, Wake Forest School of Medicine CV COE faculty published 124 manuscripts in peer-reviewed journals including Journal of the American Heart Association, Circulation, and JACC. Below are a few articles from the list. All of the publications can be found at https://www.ncbi.nlm.nih.gov/sites/myncbi/1JSeEQsdreOokM/collections/57871165/public/

Dr. Charles German and colleagues published a manuscript titled, “Implications of the 2017 American College of Cardiology/American Heart Association Hypertension Guideline in a Modern Primary Prevention Multi-Ethnic Prospective Cohort (Multi-Ethnic Study of Atherosclerosis) in The American Journal of Cardiology.

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Dr. Joseph Yeboah published a manuscript titled, “Lung Cancer Screening Eligible?” in Circulation.

Career Development Corner

2019 EICS Summer Research Program

The 2019 Excellence in Cardiovascular Sciences (EICS) summer research program will be held this summer, from June 24th – August 2nd. Twelve (12) undergraduate students will be invited to spend the summer in research laboratories (basic or clinical) on our campus, to learn about biomedical research. We have a number of outstanding applicants, from all over the continental US and Puerto Rico, and will be selecting our participants in the coming weeks. Our NHLBI-funded program pays for the stipend, travel and housing cost during the summer for each participant—the only costs to the faculty hosts are expenses related to the research project. If you are interested in hosting one of our students this summer, please contact Dr. Ann Tallant (6-2108 or atallant@wakehealth.edu). The students, selected based on their academic records and their interest in biomedical research, work in the laboratory for 9 weeks and present a poster of their work at the end of the summer. It is very rewarding to watch these undergraduate students learn about biomedical research and subsequently follow their careers as biomedical scientists. Of the students who participated in the EICS program since its beginning in 1993, 79 percent have remained in science careers, with 31% entering medical or other healthcare professional schools, 31% entering graduate school, into either PhD or Master’s programs, and 17% in technical or teaching careers. We currently have 7 former EICS students in the Wake Forest School of Arts and Sciences PhD program.

Academic Journeys Seminar Series

The Academic Journey meetings are held monthly, featuring a faculty member at Wake Forest School of Medicine or a visiting clinician/scientist from the Cardiovascular Sciences Center. These meetings are designed for graduate and medical students/ postdoctoral fellow and residents/junior faculty members to spend time with distinguished physicians and scientists from our institution or other academic institutions and learn about their journeys to becoming successful clinicians/research scientists/educators. At our first two meetings of the 2018-2019 year, students/fellows/residents visited with Dr. Scott Levick, from the University of Sydney, and with Dr. Judy Hung, from Massachusetts General/Harvard University. Our most recent Journey meeting featured Dr. Thomas DiSalvo, Professor of Medicine and Chief of the Division of Cardiology at the Medical University of South Carolina, was held on February 21st. Please check your emails for additional Journey meetings in the coming months.

Twelve (12) undergraduate students will be invited to spend the summer in research laboratories (basic or clinical) on our campus. Of the students who participated in the EICS program since its beginning in 1993, 79 percent have remained in medicine careers, with 31% entering medical or other healthcare professional schools, 31% entering graduate school, into either PhD or Master’s programs, and 17% in technical or teaching careers. We currently have 7 former EICS students in the Wake Forest School of Arts and Sciences PhD program.

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Wake Forest School of Medicine Cardiovascular Sciences Center | First Quarter 2019
**Cardiotoxicity.**

Pantoja was awarded a pilot grant from the CRBM titled, "Adverse Events & ICB Response". In addition, Dr. Soto, Christopher Schaich, PhD, Principal Investigators, for her proposal "Dialysis Modality Impact on Cerebral Hemodynamics." Dr. Liliya Yamaleyeva was selected as a November 2018 recipient of the Ignition Fund Pilot Award for her project titled “Developing and Validating Assays for Measuring Circulating Peptides”. Dr. Kylie Kavanagh, VMS, has recently been awarded the NHLBI funding range. The title of his talk is "Immunity and the Microenvironment, March 15, 2019, in Firenze Fiera- Fortezza da Basso in Firenze. The title of his talk is "Metabolic Endpoints as Biomarkers of Immune Checkpoint Therapy Response". Dr. Soto-Pantoja was also invited to speak at the "Enabling Advancements in Cell Metabolism Research" Agilent Cell Analysis Group User Meeting at the Moffit Cancer Center in Tampa, FL, February 26-27, 2019.

**Dr. Deanna Jones**

**Dr. Haiying Chen**’s project titled, "Cost-Effectiveness of Glucose Lowering Medications," will be funded in collaboration with the Center for Disease Control and Prevention (CDC) and will study on Efforts and Cost effectiveness of Glucose Lowering Medications in Type 2 Diabetes. This project will leverage data collected from Action to Control Glucose Lowering Medications, Effectiveness and Cost (ACCORD). The winner of the competition will receive a $2.5 million award. The award will be presented to Dr. Deanna Jones titled, "Metabolic & Immune Endpoints as Biomarkers of Immune-Related Adverse Events & ICB Response." In addition, Dr. Soto-Pantoja was awarded a pilot grant from the CRBM titled, "TSP1/CD47 Blockade Prevents Chemotherapy-Related Cardiotoxicity." Dr. Olivia Gilbert was selected as an SSOC lead reviewer for the 2019 ACC Expert Consensus Decision Pathway on Assessing Trajectory and Risk in Patients Hospitalized with Heart Failure and North Carolina ACC, Councilor (2019-2021). Co-Chair of Legislative and Advocacy Committee (2019-2020).

**First-year Nephrology fellow, Dr. Deanna Jones,** received the terrific news that she has been selected as the recipient of the JACC Young Author Achievement Award. Deanna was selected for this award based on her manuscript titled, "Frequency of Transition From Stage A to Stage B Heart Failure After Initiating Potentially Cardiotoxic Chemotherapy, which was published in December 2018 in JACC: Heart Failure. The award will be presented to Deanna and her mentor, Dr. Gregory Hundley, on March 16 at the 2019 ACC Scientific Sessions in New Orleans, Louisiana. After starting her research in cardiology, she has now switched gears to focus on nephrology. Her current projects include: studying urine electrolytes as a way to optimize diuretic dosing in hospitalized patients and the effects and safety of intermittent fasting and low-refined carbohydrate diets in patients with chronic kidney disease and diabetes.

Dr. Mark Chappell and Lisa Washburn received a favorable score for their R01 application entitled “Uric Acid, Klotho and SENSitivity in Young Adults Born Preterm” that is within the current NHLBI funding range. Start date for the $2.5 million award (direct cost is Stage A to Stage B Heart Failure Activated in 2019.

Dr. Christopher Schaich, PhD, Assistant Professor, Cardiovascular Medicine, for her proposal "Dialysis Modality Impact on Cerebral Hemodynamics." Dr. Deanna Jones, the 2018 recipient of the Ignition Fund Pilot Award for her project titled “Developing and Validating Assays for Measuring Circulating Peptides”. The title of her talk is "Metabolic & Immune Endpoints as Biomarkers of Immune-Related Adverse Events & ICB Response". In addition, Dr. Soto-Pantoja was awarded a pilot grant from the CRBM titled, "TSP1/CD47 Blockade Prevents Chemotherapy-Related Cardiotoxicity." Dr. Olivia Gilbert was selected as an SSOC lead reviewer for the 2019 ACC Expert Consensus Decision Pathway on Assessing Trajectory and Risk in Patients Hospitalized with Heart Failure and North Carolina ACC, Councilor (2019-2021). Co-Chair of Legislative and Advocacy Committee (2019-2020).

Dr. Jeffrey Willey was invited to visit the US Congress on Wednesday, March 6, 2019 to discuss challenges facing US leadership in maintaining robust space life and physical sciences research. Dr. Andrew Michael South’s abstract "Food Insecurity is Associated with High Blood Pressure in a National Sample of Children and Adolescents Independent of Obesity" was accepted as a platform presentation at the Pediatric Academic Societies Meeting in Baltimore, MD on April 29, 2019. In addition, Dr. Soury has been invited to give a talk at the same meeting entitled, "Neonatal Hypertension: Before, During and After the NICU."

Dr. Anita Kelkar was selected as an attendee for the HFSAA (Heart Failure Society of America) Future Leaders Symposium May 10-11, 2019, in Washington, DC. This conference provides an amazing opportunity for early career physicians to interact with national and international leaders in the field of heart failure.

Dr. Thomas O’Neill’s abstract titled, “Hiding in Plain View: Antibody-Mediated Cardiac Allograft Rejection Presenting as Unilateral Pleural Effusion and Altral Flutter,” was accepted for presentation at the International Society for Heart and Lung Transplant Annual Meeting in Orlando, FL in April.

**Invited Lectures, Presentations, and Conferences**

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Funding and Awards

CVSC Pilot Awards went to:
Dr. Giselle Pantoja: Assistant Professor, Cardiovascular Medicine, for her proposal “NK-1 Receptor Blockade as a Novel Strategy to Prevent Anthracyclines Cardiotoxicity in Breast Cancer and Improve Cancer Outcomes,” and Dr. Shivani Ghoshal: Assistant Professor, Neurology, for her proposal “Dialysis Modality Impact on Cerebral Hemodynamics.”

Dr. Liliya Yamaleyeva was selected as a November 2018 recipient of the Ignition Fund Pilot Award for her project titled “Developing and Validating Assays for Measuring Circulating Peptides.”

Dr. Dr. Kylie Kavanagh has a recently funded R01 titled, “Adipose Mitochondrial Quality Control and Cardiovascular Function in Metabolically Healthy and Unhealthy Obese Monkeys.” Day (April 17, 2019).

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In December, Dr. Debra Diz received the 2018 James Edwin Byrum Distinguished Faculty Research Mentor Award for her dedication and commitment to mentoring and training more than 75 graduate, undergraduate, and medical students as well as faculty during her 26-year career. Dr. Diz shares this award with Dr. Patrick Reynolds of Neurology. A plaque was presented to both faculty members by the Dean of the Medical School. The PI of the project is Dr. Deanna Jones, and the funding and awards are from Wake Forest Baptist Medical Center.

Dr. Liliya Yamaleyeva has been invited to serve as a mentor in the WIMS Mentoring Program. This program helps recruit, retain and advance young career women faculty. The longest running WIMS program, it addresses the general career development needs of women faculty at all ranks. Dr. Yamaleyeva is also affiliated with the Department of Women in Medicine and Science.

Dr. David Soto-Pantoja’s abstract was accepted for a talk at the Keystone Symposia on Cancer Metastasis: The Role of Metabolism, Immunity and the Microenvironment, March 15-19, 2019, in Firenze Fiera- Fortezza da Basso in Florence. The title of his talk is “Metabolic Endpoints as Biomarkers of Immune Checkpoint Therapy Response.” Dr. Soto-Pantoja was also invited to speak at the “Enabling Advancements in Cell Metabolism Research” Agilent Cell Analysis Group User Meeting at the Moffit Cancer Center in Tampa, FL, February 26-27, 2019.

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Invited Lectures, Presentations, and Conferences

In The News

The National Institute on Aging has announced they will fund a new exciting resource, the Research Centers Collaborative Network. The program promises to advance aging research by bringing different research groups and disciplines together. The project is being led by the American Federation for Aging Research and investigators at Wake Forest School of Medicine. The PI of the project is Dr. Stephen Kritchevsky, Professor of Gerontology and Geriatric Medicine.

Dr. Thomas O’Neill’s abstract titled, “Hiding in Plain View: Antibody-Mediated Cardiac Allograft Rejection Presenting as Unilateral Pleural Effusion and Atrial Fibrillation,” was accepted for presentation at International Society for Heart and Lung Transplant Annual Meeting in Orlando, FL in April.

Dr. Geoffrey Jao’s abstract titled, “Quantitative Right Ventricular Function Assessment Using the Anterior Tricuspid Annular Plane Systolic Excursion” was accepted for presentation at ACC Science Sessions in March.

Events

The 19th Annual Graduate Student and Postdoc Research Day will be held Friday, March 22, 2019 at Biotech Place.

Women’s Health Research Day is April 17, 2019 and will be held in Commons, Wake Forest Baptist Medical Center. Join us for “What’s on HER Mind? Gender Differences in Cognitive Function.”

The next Pathways to Promotion is scheduled for Thursday, May 30 2019, 5:00-6:30 pm in the Cancer Center Conference Rooms 108 and 10C. Registration is required and can be completed online via the WBFMC intranet by May 24th.
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Good News!

WFBMC Heart Transplant Team Leads the State in 1-Year Post Transplant Survival Rates

The Wake Forest Baptist Medical Center Heart Transplant Team, led by Director, Dr. Barbara Pisani, has been recognized as achieving a 1-year survival for 2019 of 83%, which is the best rating of this kind in the state of North Carolina. This registry analyzes data to provide patients with information so that they can make informed decisions regarding their transplant options. Information from the registry is listed online at www.srtr.org.

IN THIS ISSUE:
- Heart Transplant Team
- Funding and Awards
- Accomplishments
- Invited Lectures, Presentations, & Conferences
- In The News
- Events
- Publications
- Career Development Corner