The 67th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Ngar Yun Ellen Poon, PhD
Assistant Professor
School of Biomedical Sciences
The Chinese University of Hong Kong

Using mitochondria-rich human pluripotent stem cell derived-cardiomyocytes to study cardiac damage

Moderator: Wing Tak Jack Wong, PhD
Associate Professor
School of Life Sciences
The Chinese University of Hong Kong

November 27th , 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 28th
PST	CST	UK time	German time	Beijing time

Zoom: 835 9282 5409
Passcode: 980441

Ngar Yun Ellen Poon, PhD
Assistant Professor
School of Biomedical Science
The Chinese University of Hong Kong.
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Poon's research focuses on the application of human pluripotent stem cell-derived cardiomyocytes for disease modelling and drug screening. The immaturity of human pluripotent stem cell-derived cardiomyocytes has long been a barrier to the use of these cells for research and therapy. Combining transcriptomic, proteomic, and microRNA profiling, she revealed novel mechanisms that facilitate the generation of cardiomyocytes with adult-like mitochondrial and metabolic properties. Her current focus is to utilize her cardiomyocyte platform for the modelling of human cardiac diseases, investigations of cardiotoxicity, and discovery of cardioprotective agents.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 66th

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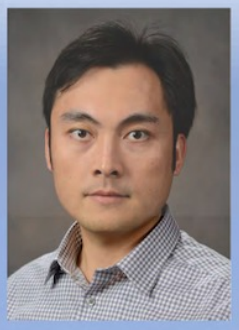

Xing Fu, PhD
Associate Professor
Ralph and Lela Boulware Endowed Professor
LSU AgCenter
School of Animal Sciences
Louisiana State University

Regulation of Cardiac Fibroblast Activity after Myocardial Infarction

Moderator: Chi Keung Lam, PhD
Assistant Professor
Biological Science
University of Delaware

October 23rd , 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 24th
PST	CST	UK time	German time	Beijing time

Zoom: 885 0948 0606
Passcode: 583282

Xing Fu, PhD
Associate Professor
Ralph and Lela Boulware Endowed Professor
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Fu received his PhD degree from Washington State University and postdoctoral training with Dr. Jeffery Molkentin at Cincinnati Children's Hospital. Dr. Fu's lab focuses on the function of cardiac fibroblasts in post-injury fibrosis and tissue repair, and the molecular mechanisms regulating cardiac fibroblast activities and differentiation. Dr. Fu's lab is also interested in the function of similar cells in the development, growth, and diseases of other organs/tissues, such as adipose tissue and skeletal muscle.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 65th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Guizhen Zhao, PhD
Assistant Professor,
Department of Pharmacological and Pharmaceutical Sciences,
College of Pharmacy,
University of Houston

Exploring the Role of SWI/SNF Complex in Vascular Biology and Diseases

Moderator: Hong S. Lu, MD, PhD, FAHA
Associate Professor,
Department of Physiology,
Saha Cardiovascular Research Center Saha Aortic Center,
University of Kentucky College of Medicine

October 9th , 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 10th
PST	CST	UK time	German time	Beijing time

Zoom: 851 2664 4443
Passcode: 885935

Guizhen Zhao, Ph.D.
Assistant Professor
Department of Pharmacological and Pharmaceutical Sciences
College of Pharmacy, University of Houston
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Phone: (734)-353-3409
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Zhao lab focuses on elucidating the metabolic and epigenetic properties of vascular cells in cardiovascular diseases (CVD) and identifying potential drug targets. The goal is to enhance our understanding the metaboloepigenetic factors contributing to CVD progression and to provide novel insights into the therapeutic strategies for disease conditions, such as aortic aneurysm and atherosclerosis. Dr. Zhao's studies are supported by NIH R01 and AHA-Career Development Award.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 64th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Liang Xie, PhD
Assistant Professor
Cardiovascular Research Institute
Department of Medicine
Baylor College of Medicine

Exploring the Role of Endothelial-myocardial Interaction in Heart Regeneration

Moderator: Ke Huang MD, PhD, FAHA
Assistant Professor
Department of Molecular Biomedical Sciences
North Carolina State University

September 25th , 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 26th
PST	CST	UK time	German time	Beijing time

Zoom: 869 4266 3636
Passcode: 050016

Liang Xie, PhD
Assistant Professor,
Cardiovascular Institute,
Department of Medicine,
Baylor College of Medicine
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https://www.bcm.edu/people-search/liang-xie-33287

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Xie's lab focuses on defining the roles of prolyl hydroxylase domain (PHD) proteins in cardiac function and exploring the molecular mechanisms driving the cardiomyocyte-intrinsic innate immune responses in heart failure. The goal is to enhance our understanding of heart diseases and provide novel insights into therapeutic strategies for heart failure. Dr. Xie's studies have been supported by multiple grants from NIH and AHA, and the findings have been published in high-impact journals, such as *Nature Metabolism*, *Circulation*, and *Journal of Clinical Investigation*.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 63rd

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Lilei Zhang, MD, PhD
Chief of Cardiovascular Genetics Clinic,
Associate Professor,
Molecular and Human Genetics &
Internal Medicine &
Molecular Physiology and Biophysics
Baylor College of Medicine

Circadian Regulation of Cardiac Remodeling

Moderator: Nuo Sun, PhD
Associate Professor,
Physiology and Cell Biology,
Ohio State University

September 11th , 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 12th
PST	CST	UK time	German time	Beijing time

Zoom: 836 2198 9255
Passcode: 652240

Lilei Zhang, MD, PhD
Chief of Cardiovascular Genetics Clinic,
Associate Professor,
Molecular and Human Genetics
Internal Medicine
Molecular Physiology and Biophysics,
Baylor College of Medicine
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https://www.bcm.edu/people-search/lilei-zhang-33562

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Zhang is a physician scientist specialize in adult genetics. The overarching theme of her laboratory is to understand the genomic and epigenomic regulation of the cardiovascular system in health and in disease with an emphasis on heart failure and cardiomyopathies. The goal is to gain knowledge on circadian gene regulation in the heart and ultimately to use this information to design novel therapeutics for heart failure. Her lab is also interested in studying inherited cardiac diseases using patient-derived induced pluripotent stem cell differentiated cardiomyocytes from patients with inherited cardiomyopathies.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 62nd

Academy of Cardiovascular Research Excellence (ACRE)

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ACRE-CAAC Joint Seminar Series

Jinhu Wang, Ph.D.
Assistant Professor
Department of Medicine
Emory University

Understanding the Role of the Epicardium on Zebrafish Heart Regeneration

Moderator: Xiao Li, Ph.D.
Assistant Investigator
McGill Gene Editing Lab
The Texas Heart Institute

July 10th, 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 11th
PST	CST	UK time	German time	Beijing time

Zoom: 878 0069 7012
Passcode: 354505

Jinhu Wang, Ph.D.
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Web page: https://med.emory.edu/departments/medicine/profile/?u=JWANG70

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Wang's lab focuses on understanding how regenerative responses to injury have been optimized in non-mammalian vertebrates, like zebrafish. By scRNA-seq analyses, live imaging, and genetic tools, his lab characterizes the regeneration capacity of the myocardium and epicardium and defines new subsets of epicardial cells (*hapln1a*$^{+}$ cells and *ptx3a*$^{+}$ cells). Their goal is to discover new targets that underlie regenerative deficiencies in mammals.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 61st

Academy of Cardiovascular Research Excellence (ACRE)

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ACRE-CAAC Joint Seminar Series

Qing Robert Miao, Ph.D.
Professor
Diabetes and Obesity Research Center
New York University Long Island School of Medicine

Host Resilience to Obesity-induced Diabetes and Diabetes-associated Vascular Complications

Moderator: Chunying Li, Ph.D.
Associate Professor
Institute of Biomedical Sciences
Georgia State University

June 12th, 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 13th
PST	CST	UK time	German time	Beijing time

Zoom: 897 8784 7582
Passcode: 319735

Qing Robert Miao, Ph.D.
Professor
Diabetes and Obesity Research Center
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Email: qing.miao@nyulangone.org
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Web page: https://medli.nyu.edu/faculty/qing-miao

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Miao is well recognized for his research on elucidating the biological functions of the Nogo-B receptor and its roles in the pathogenesis of human diseases. Nogo-B receptor (NgBR) is a cell surface receptor that was identified by Dr. Miao during his postdoctoral training in Dr. William Sessa's laboratory at the Yale School of Medicine. By identifying physiological defects in NgBR tissue-specific knockout mice, Dr. Miao's team has successfully established unique animal models to elucidate the novel underlying mechanisms of several human diseases, including cerebrovascular malformations, nonalcoholic fatty liver diseases, obesity-induced diabetes, and diabetes-associated vascular complications.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 60th

Academy of Cardiovascular Research Excellence (ACRE)

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ACRE-CAAC Joint Seminar Series

Patrick C.H. Hsieh, MD, PhD, FAHA
Distinguished Research Fellow and Chief
Division of Cardiovascular & Metabolic Diseases,
Institute of Biomedical Sciences, Academia Sinica
Professor,
National Taiwan University College of Medicine and
Kaohsiung Medical University

Metabolic Insights and Synergistic Cell Therapy for Cardiac Regeneration

Moderator: Xuejun "XJ" Wang, MD, PhD, FAHA, FISHR
Professor, Division of Basic Biomedical Sciences,
Director, The Physician Scientist Program,
University of South Dakota
Sanford School of Medicine

May 22nd, 2024, Wednesday, 11 AM, EST

8:00 AM	10:00 AM	4:00 PM	5:00 PM	11:00 PM, 22nd
PST	CST	UK time	German time	Beijing time

Zoom: 891 5101 9612
Passcode: 100126

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Patrick C.H. Hsieh, MD, PhD, FAHA
Distinguished Research Fellow and Chief
Division of Cardiovascular & Metabolic Diseases
Institute of Biomedical Sciences, Academia Sinica
Professor
National Taiwan University College of Medicine and Kaohsiung Medical University
Email: phsieh@ibms.sinica.edu.tw
Office: 886-2-27899074
https://www.mc.ntu.edu.tw/manage/upload/news/2022/9eab860f-17a6-41fa-86ea-8c8431850248.pdf

Dr. Hsieh focuses on cardiovascular regeneration, cancer nanomedicine, microbiota and metabolism, iPSC technologies, and translational research. Dr. Hsieh is the Principal Investigator of several flagship projects and leads the Taiwan iPSC Consortium, the Taiwan Tissue Chip Project, and the Taiwan Precision Regenerative Medicine project, and establishing Taiwan's super-donor iPS cell bank for clinical cell therapy.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 59th

Academy of Cardiovascular Research Excellence (ACRE)

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ACRE-CAAC Joint Seminar Series

Kai Jiao, MD, PhD
Professor
Center for Biotechnology & Genomic Medicine (CBGM)
Medical College of Georgia

The Function of MIPEP, a Mitochondrial Intermediate Peptidase, in Mouse Hearts

Moderator: Ning Liu, PhD
Associate Professor
Department of Molecular Biology
The University of Texas Southwestern Medical Center

May 8th, 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 9th
PST	CST	UK time	German time	Beijing time

Zoom: 833 0087 8970
Passcode: 754403

Kai Jiao, MD, PhD
Professor
Center for Biotechnology & Genomic Medicine (CBGM)
Medical College of Georgia
Email: kaijiao@augusta.edu
Office: 706-446-5573
https://www.augusta.edu/faculty/directory/view.php?id=KAIJIAO

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Jiao's lab has mainly focused on studying the genetic and epigenetic regulatory mechanisms governing normal heart development and their potential contributions to congenital heart diseases. Dr. Jiao's lab has been using mouse and human iPS cells as their major model systems in the research. A new direction of Dr. Jiao's research is to study the role of mitochondria in embryonic and adult hearts.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 58th

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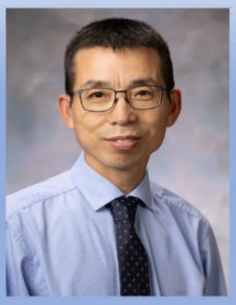
ACRE-CAAC Joint Seminar Series



Dr. Deqiang Li, MD, PhD
Associate Professor
Research Institute at Nationwide Children's Hospital
Ohio State University College of Medicine

Epigenetic Regulation on Myocardial Compaction and Trabeculation

Moderator: Ziqing Liu, PhD
Assistant Professor
Department of Physiology & Cardiovascular Center
Medical College of Wisconsin

March 13th, 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	4:00 PM	5:00 PM	12:00 AM, 14th
PST	CST	UK time	German time	Beijing time

Zoom: 867 0348 2283
Passcode: 683627

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Deqiang Li, MD, PhD
Associate Professor
Research Institute at Nationwide Children's Hospital
Ohio State University College of Medicine
Email: Deqiang.Li@nationwidechildrens.org
Office: (614) 355-5826
https://www.nationwidechildrens.org/find-a-doctor/profiles/deqiang-li

The goal of Dr. Li's lab is to understand the mechanisms of cardiac development and regeneration using genetic mouse models. The Li Lab studies the molecular mechanisms that underlie normal and abnormal heart development (e.g., congenital heart disease) and cell – cell signaling communications during these processes. Recently, the Li Lab focuses on whether and how epigenetics such as histone acetylation/deacetylation dictates cell lineage specification and its impacts on heart morphogenesis.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 57th

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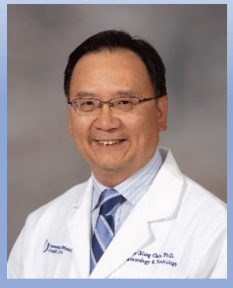

Dr. Jian-Xiong Chen, M.D.,
Professor
Pharmacology and Toxicology
University of Mississippi Medical Center

Targeting Glycolysis In Heart Failure: What Are Experimental Proofs?

Moderator: Jun Feng, MD, PhD, FAHA
Associate Professor of Surgery
Director, Cardiothoracic Surgery Research Lab.
Division of Cardiothoracic Surgery, CVRC
RIH, Alpert Medical School of Brown University

February 14th, 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 15th
PST	CST	UK time	German time	Beijing time

Zoom: 823 3608 3181
Passcode: 868130

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Jian-Xiong Chen, M.D.,
Professor
Pharmacology and Toxicology
University of Mississippi Medical Center
Email: JChen3@umc.edu
Office: 601-984-1731
https://www.umc.edu/som/Departments%20and%20Offices/SOM%20Departments/Pharmacology%20and%20Toxicology/Faculty/Jian-Xiong-Chen.html

Dr. Chen's lab aims to understand the pathogenesis and identify the intracellular molecular basis that may contribute to microvascular rarefaction, vascular stiffness and calcification, and diastolic heart failure. Dr. Chen's lab studies the novel regulatory roles of mitochondrial Sirtuin 3, p53 acetylation, mitochondrial ferroptosis, and glucose metabolism on coronary microvascular dysfunction in the diabetic/obese heart, pressure-overload-induced HF and HFpEF.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 56th

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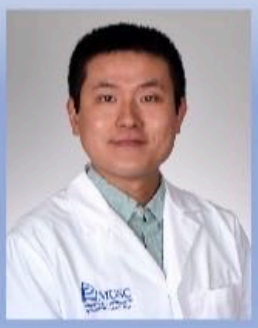
ACRE-CAAC Joint Seminar Series



Ge Tao, PhD
Assistant Professor
Dept. of Regenerative Medicine & Cell Biology
Medical University of South Carolina

Redox Balance in Cardiomyocyte Death and Repair

Moderator: Shijie Liu, PhD
Assistant Professor
Department of Pediatrics
Cincinnati Children's Hospital

January 10th , 2024, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 9th
PST	CST	UK time	German time	Beijing time

Zoom: 827 1987 2917
Passcode: 449043

Ge Tao, PhD
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Medical University of South Carolina
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Office: 843-792-5059
https://medicine.musc.edu/departments/regenerative-medicine/research/tao-lab

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Tao's group aims to understand how neonatal mouse hearts regenerate while the adult hearts cannot. The Tao Lab uses mouse genetic and surgical models to study the injury response, cell death, and repair of cardiac muscle after traumatic or ischemic stress. The Tao Lab is interested in identifying healing factors that promote adult mouse heart regeneration after myocardial infarction (MI).

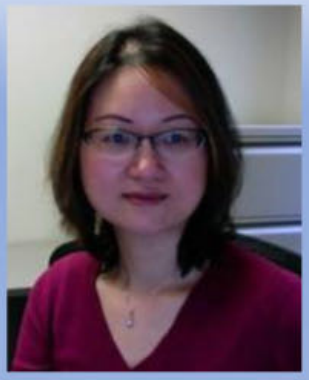
This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 55th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series



Shan Liao, PhD
Associate Professor
Microbiology, Immunology and Infectious Diseases
Snyder Institute for Chronic Diseases
Cumming School of Medicine
University of Calgary

Lymphatic Function and Immune Regulation in the Lymph Nodes

Moderator: Hong Chen, PhD, FAHA
Associate Professor, Harvard Medical School
Principal Investigator, Vascular Biology Program
Department of Surgery, Boston Children's Hospital

December 13th , 2023, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 9th
PST	CST	UK time	German time	Beijing time

Zoom: 826 3141 0744

Passcode: 632927

Shan Liao, PhD
Associate Professor
Dept. of Microbiology, Immunology and Infectious Diseases
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Lymphatic vessels maintain fluid balance and transport tissue waste, pathogens, and cells to lymph nodes for protection by the immune system. In the lymph node, lymph flow direction determines the time, location, and cell types that encounter the antigens after an immune stimulation. Dr. Liao's lab aims to understand how lymph flow is regulated in healthy and diseased states, determine how altered lymph flow affects host immunity in inflammation and cancer and target lymph flow in order to develop potential therapeutic methods to reduce edema, and improve host immune protection or anti-tumor immunity.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 54th

Academy of Cardiovascular Research Excellence (ACRE)

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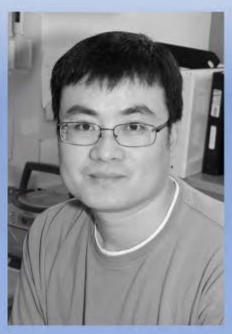
ACRE-CAAC Joint Seminar Series



Yucheng Yao, MD, PhD
Professor
Department of Medicine
David Geffen School of Medicine
University of California, Los Angeles

Transitioning Endothelial Cells Contribute to Pulmonary Fibrosis

Moderator: Rong Lu, PhD
Associate Professor of Stem Cell Biology and Regenerative Medicine, Biomedical Engineering, Medicine, and Gerontology, Leukemia & Lymphoma Society Scholar, Keck School of Medicine, University of Southern California

October 11, 2023, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 14th
PST	CST	UK time	German time	Beijing time

Zoom: 823 3166 2200
Passcode: 672594

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Professor
Department of Medicine
David Geffen School of Medicine
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Yao is Professor of Medicine at University of California, Los Angeles. His lab focuses on multiple aspects of cardiovascular disease, such as arteriovenous malformations and the prevention of vascular calcification. The Yao lab is also broadly interested in endothelial differentiation in the vascular-related diseases.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 53rd

Academy of Cardiovascular Research Excellence (ACRE)

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ACRE-CAAC Joint Seminar Series

Lei Yang, PhD, FAHA,
Professor
Department of Pediatrics, Anatomy,
Cell Biology & Physiology
Herman B Wells Center For Pediatric Research
Indiana University School of Medicine

Long Non-Coding RNAs: Dark Matter Behind Human Heart Development and Metabolism

Moderator: Hongchao Guo, PhD
Assistant Professor, Department of Surgery
Principal Investigator,
Nora Eccles Harrison Cardiovascular Research and Training Institute (CVRTI)
University of Utah

September 13, 2023, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 14th
PST	CST	UK time	German time	Beijing time

Zoom: 885 1150 4642
Passcode: 235733

Lei Yang, PhD, FAHA
Professor
Department of Pediatrics, Anatomy, Cell Biology & Physiology
Herman B Wells Center For Pediatric Research
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https://medicine.iu.edu/faculty-labs/yang-lei

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

The Yang laboratory utilizes a combination of human embryonic stem (ES) cells, human induced pluripotent stem (iPS) cells, mouse genetic models, and tissue engineering approaches to study human-specific molecular mechanisms underlying heart development, cardiac metabolism, cardiovascular diseases, and therapy.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Li Qian, Ph.D.

The 52nd

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Rhian M. Touyz, PhD

Dr. Phil Gold Chair in Medicine,
Professor in Family Medicine,
Executive Director and Chief Scientific Officer of the Research Institute of the McGill University Health Centre,
McGill University, Montreal, Canada
Editor-in-chief, *Hypertension,*
Associate Editor, *Pharmacological Reviews*

Vasculome in Hypertension and Small Vessel Disease

Moderator: Jiang Chang (JC), MD, PhD, FAPS
Professor and Deputy Director
Center for Genomic and Precision Medicine
Institute of Biosciences and technology (IBT)
Texas A&M University

May 17, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 18th
PST	CST	UK time	German time	Beijing time

Zoom: 820 2802 0862
Passcode: 865084

Rhian M. Touyz, PhD
MBBCh, PhD, FRCP, FRSE, FCAHS, FMedSci
Rhian.touyz@mcgill.ca
https://www.mcgill.ca/familymed/rhian-m-touyz

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Rhian M. Touyz, the Executive Director and Chief Scientific Officer of the Research Institute of the McGill University Health Centre, is a distinguished clinician-scientist noted for her contributions to cardiovascular medicine. She holds prestigious positions at McGill University and previously directed the Institute of Cardiovascular and Medical Sciences at the University of Glasgow. Her numerous accolades include the Dahl Award and Hypertension Research Excellence Award. As the editor-in-chief of Hypertension, she plays a significant role in shaping clinical practices. Dr. Touyz's research spans hypertension, cardiometabolic disease, cardiovascular toxicity of anti-cancer drugs, and vascular dementia, with a focus on translational impact. Her work, represented in over 600 peer-reviewed papers, illuminates the molecular and vascular biology of these conditions. This presentation will spotlight key mechanisms underpinning vascular damage in hypertension and small vessel disease.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Zhao Wang, Ph.D.

The 51st

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Xian-Cheng Jiang （蒋宪成), Ph.D.
Distinguished Professor
Department of Cell Biology
SUNY Downstate Medical Center
State University of New York

Phospholipid Remodeling and its Potential Impact on Metabolic Diseases

Moderator: Bin Ren, M.D., Ph.D.
Department of Surgery
School of Medicine
University of Alabama at Birmingham

May 3, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 4th
PST	CST	UK time	German time	Beijing time

Zoom: 831 7399 9744
Passcode: 986184

Xian-Cheng Jiang （蒋宪成), Ph.D.
Professor
Department of Cell Biology
SUNY Downstate Medical Center
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

The Jiang laboratory investigates the effect of lipid metabolism and metabolic diseases, such as atherosclerosis, metabolic syndrome, obesity, and liver steatosis. The Jiang lab is particularly interested in understanding how phospholipid metabolism influences plasma lipoprotein metabolism, cell membrane lipid composition and function, and the development of metabolic diseases.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Zhao Wang, Ph.D.

The 50th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Chuanfu Li, M.D.
Professor
Department of Surgery
James H. Quillen College of Medicine
East Tennessee State University

Lactate Induces Endothelial Cell Permeability in Sepsis and Promotes EndoMT after MI

Moderator: Guo-Chang Fan, Ph.D.
Professor
Pharmacology & Systems Physiology
University of Cincinnati College of Medicine

April 5, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 6th
PST	CST	UK time	German time	Beijing time

Zoom: 833 1314 5872
Passcode: 551119

Chuanfu Li, MD.
Professor
Department of Surgery
Quillen College of Medicine
East Tennessee State University
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https://www.etsu.edu/com/surgery/research/chauanfuli.php

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

The Li Lab focuses on 1) Innate immunity and myocardial ischemic injury and septic cardiomyopathy; 2) Lactate-lactylation and cardiovascular dysfunction in myocardial ischemic injury and septic cardiomyopathy; 3) Cellular senescence and cardiovascular function in myocardial ischemic injury and septic cardiomyopathy.

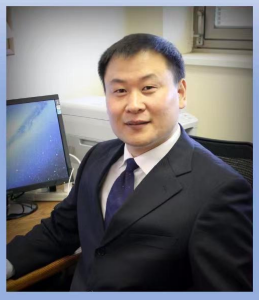
This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Zhao Wang, Ph.D.

The 49th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series



Wei Guo, Ph.D.
Assistant Professor
Cardiovascular Research Center
Animal Health & Biomedical Sciences
Cellular and Molecular Biology Graduate Program
University of Wisconsin-Madison

A New Paradigm for Heart Failure: RBM20 Granules Disease

Moderator: Xuejun "XJ" Wang, M.D., Ph.D.
Professor of Basic Biomedical Sciences
Director of the MD/PhD Program
Sanford School of Medicine
University of South Dakoda

March 22, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	4:00 PM	5:00 PM	12:00 AM, 23rd
PST	CST	UK time	German time	Beijing time

Zoom: 836 2974 6726
Passcode: 559248

Wei Guo, Ph.D.
1933 Observatory Dr.
2112 Meat Science & Animal Biological Discovery Building
Madison, WI 53706
Tel: 608-263-3676
Email: wguo2@wisc.edu

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Guo's laboratory focuses on studying the role of RNA metabolism in striated muscle structure and function. The lab aims to understand the molecular and cellular mechanisms of RNA binding motif protein 20 (RBM20) and titin-based stiffness in heart failure, and how to treat heart failure with preserved ejection fraction patients. The Guo lab identified RBM20 as a new muscle-specific splicing factor that primarily regulates alternative splicing of titin gene, which encodes a giant sarcomeric protein that is responsible for myocardial stiffness. Genetic mutations in RBM20 can cause severe dilated cardiomyopathy (DCM) by facilitating RBM20 nucleocytoplasmic transport and protein/RNA granules formation. The lab also aims to identify new therapeutic targets to treat RBM20 granules disease. Dr. Guo's lab has published over 50 research papers in top-tier journals such as Nature Medicine, and their work is supported by grants from NIH, AHA, and USDA.

This seminar series is co-organized by Rongxue "Rosie" Wu, M.D., Ph.D., Liya Yin, M.D., Ph.D., and Zhao Wang, Ph.D.

The 48th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Ying Yang, Ph.D.
Assistant Professor
Department of Molecular Pharmacology and Physiology
College of Medicine
University of South Florida

A Novel Mechanism to Enhance Lymphatic Valve Formation: Therapeutic Implications for Lymphedema

Moderator: Pengchun Yu, Ph.D.
Assistant Member
Cardiovascular Biology Research Program
Oklahoma Medical Research Foundation

March 8, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 9th
PST	CST	UK time	German time	Beijing time

Zoom: 853 4620 2887
Passcode: 105119

Ying Yang
Assistant Professor
Department of Molecular Pharmacology and Physiology
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

The main research interest in Dr. Yang's laboratory is to understand the biological functions of the transcription factor FoxO1 during lymphatic development and lymphatic disease and to develop novel therapeutic targets for lymphedema. Her NIH-funded laboratory is the first to stimulate the growth of new lymphatic valves in a physiological manner by deleting FoxO1, which has the potential to treat several types of primary lymphedema where valves regress or disintegrate. Dr. Yang has received the 2021 NAVBO Springer Junior Investigator Award.

The 47th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Na Li, Ph.D.
Associate Professor
Department of Medicine,
Section of Cardiovascular Research
Baylor College of Medicine

Inflammasome In Atrial Fibrillation

Moderator: Liang Xie, Ph.D.
Assistant Professor
Department of Medicine
Cardiovascular Research Institute
Baylor College of Medicine

February 22, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 23rd
PST	CST	UK time	German time	Beijing time

Zoom: 861 9629 2848
Passcode: 329405

Na Li, PhD
Associate Professor
Department of Medicine (Section of Cardiovascular Research)
Baylor College of Medicine
Email: nal@bcm.edu
Website: https://www.bcm.edu/people-search/na-li-25453
Twitter: @naliphd

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

The research focus in Dr. Li's lab is to better define the molecular pathways that are responsible for cardiac arrhythmias, with the goal of developing novel therapeutic strategies. She has built an impactful research program focusing on the role of inflammasome signaling in the pathogenesis of cardiac arrhythmias. In 2018, her lab published the first evidence for this concept in *Circulation* by revealing that cardiomyocyte inflammasome signaling plays a causative role in the pathogenesis of atrial fibrillation by promoting the electrical remodeling, which has been cited over 300 times so far. Her follow-up work further demonstrate NLRP3 inflammasome as a pathogenic link in different populations with high risk for AF, such as obesity, surgical operation, diabetes, and chronic kidney disease. Her lab is currently supported with multiple NIH grants. Dr. Li has received an Established Investigator Award from American Heart Association to investigate the novel mechanisms of congenital cardiac arrhythmic syndrome. She has a track-record and published over 70 peer-reviewed papers to date, many of which are in top journals of cardiovascular science. She serves on multiple NIH and AHA study sections. She is also devoted to teaching and mentoring of next generation of scientists.

The 46th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Yun Fang, Ph.D.
Associate Professor
Associate Director, Physician Scientist Development Program
Associate Director, Research Training in Respiratory Biology Program
Section of Pulmonary and Critical Care
Biological Sciences Division, Department of Medicine
The University of Chicago

Precision Nanomedicine Targeting Novel Endothelial Mechano-sensing Mechanisms to Treat Vascular Diseases

Moderator: Zhen Bouman Chen, MB, PhD
Associate Professor
Department of Diabetes Complications & Metabolism
Arthur Riggs Diabetes and Metabolism Research Institute
Beckman Research Institute
City of Hope National Medical Center

February 8, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 9th
PST	CST	UK time	German time	Beijing time

Zoom: 837 8137 8012
Passcode: 629757

Yun Fang, Ph.D.
Associate Professor
Associate Director, Physician Scientist Development Program
Associate Director, Research Training in Respiratory Biology Program
Section of Pulmonary and Critical Care
Biological Sciences Division, Department of Medicine
The University of Chicago
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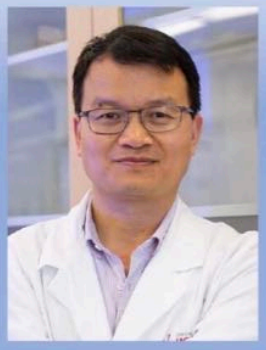
For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Fang's lab devises a cohort of new precision nanomedicine platforms to target novel dysregulated endothelial mechano-sensing mechanisms, a strategy effectively treating vascular complications *in vivo*. Their recent results elucidate previously unrecognized endothelial mechano-sensitive pathways in endothelial activation, with emphasis upon miRNA, transcription factors, cellular metabolism, human genetic variants, protein stability, and mRNA chemical modification/epi-transcriptome. Polymer or liposome-based nanoparticles are engineered to deliver therapeutic nucleotides such as mRNA, miRNA inhibitor, or CRISPR/Cas9 constructs specifically into inflamed endothelial cells to intervene aforementioned mechano-sensitive pathways.

ACRE-CAAC Joint Seminar Series



Mingfu Wu, Ph.D.
Associate Professor of Pharmacology
Department of Pharmacological and
Pharmaceutical Sciences
University of Houston College of Pharmacy

Proepicardial Cells are Heterogeneous with Specified Smooth Muscle-like Cells and Pacemaker Progenitor Cells

Moderator: Di "Didi" Ren, Ph.D.
Assistant Professor
Department of Diabetes and Cancer Metabolism
City of Hope National Medical Center

January 18, 2023, Wednesday 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	12:00 AM, 19th
PST	CST	UK time	German time	Beijing time

Zoom: 897 7607 0698
Passcode: 966012

Mingfu Wu, Ph.D.
University of Houston College of Pharmacy
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For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Mingfu Wu's lab is interested in the etiology of congenital heart defects. Specifically, his lab focuses on left ventricular non-compaction cardiomyopathy and hypoplastic left heart syndrome. One of the projects that his lab has been working on is the pro-epicardial cell differentiation and epicardial development.

Epicardial cells give rise to fibroblasts and coronary vascular smooth muscle cells (cVSMCs),and participate in cardiac remodeling and regeneration, making them a promising target for cardiac regeneration. However, whether fibroblasts and cVSMCs are specified in proepicardium (PE), epicardium, or myocardium is unknown. His study reveals that PE region contains three distinct progenitor populations. Unexpectedly, one is VSMC progenitor, and, for the first time, they determine that SMC is specified in PE in mammals. The source of the pacemaker lineage, whose abnormal development leads to arrhythmia, is elusive. His study applies dual reporter to define pacemaker progenitor cells localized to the PE region proximal to the atrial wall and provide transcriptomic analyses and insights into the earliest stages of sinoatrial progenitors.

ACRE-CAAC Joint Seminar

The 44th

Academy of Cardiovascular Research Excellence (ACRE)

Chinese American Academy of Cardiology (CAAC)

ACRE-CAAC Joint Seminar Series

Zhongkui Hong, Ph.D.
Associate Professor
Mechanical Engineering Department
Texas Tech University

Cellular Mechanics in Cardiovascular Diseases

Moderator: Bo Liu, Ph.D.
Professor, Department of Surgery
University of Wisconsin-Madison

January 4th, 2023, Wednesday, 12 PM, EST

9:00 AM	11:00 AM	5:00 PM	6:00 PM	1:00 AM, 8th
PST	CST	UK time	German time	Beijing time

Zoom: 811 6444 5972
Passcode: 721359

Zhongkui Hong, Ph.D.
Associate Professor
Mechanical Engineering Department
Texas Tech University
Email: zhongkui.hong@ttu.edu
https://www.depts.ttu.edu/me/faculty/zhongkui_hong/untitled.php

For more information about the past and future seminars, please visit my-acre.org or mycaac.org

Dr. Hong's research focuses on biomechanics in cardiovascular diseases and cancer metastasis, mechanics in biomaterial design and tissue engineering, stem cell-derived tissue engineering, and nanomaterials for tissue engineering and drug delivery. His research has been funded by the American Heart Association (AHA), National Institute of Health (NIH), National Science Foundation (NSF), and South Dakota Board of Regents. His research and teaching have been widely recognized. Dr. Hong won the 2021 University President's Award for Research Excellence, one of the highest honors at the University of South Dakota, and the 2022 Richard and Sharon Cutler Outstanding Faculty Award from the College of Arts and Science for promoting liberal arts education at The University of South Dakota.