

2021 CAAC-ACRE-CNAHA Joint Research Symposium

Welcome

CAAC/ACRE/CNAHA Joint Research Symposium

CAAC (Chinese American Academy of Cardiology 北美中华心脏学会)
ACRE (Academy of Cardiovascular Research Excellence 恩科心血管研究院)
CNAHA (Chinese American Heart Association 美国华裔心脏协会)

Virtual meeting, November 12th, 2021 (1:00-5:00 pm, EST)
Zoom ID: 584 553 9927 Passcode: 05082021



2021 CAAC-ACRE-CNAHA Joint Research Symposium

Welcome from the Chairs (1:00-1:15 pm)

Drs. Hong Wang, Yabing Chen (CAAC), Xuejun Wang (on behalf of Jiang Chang, ACRE), Zijian Xu (CNAHA)



Acknowledgement to 2021 Joint Symposium Leadership

Symposium Committee

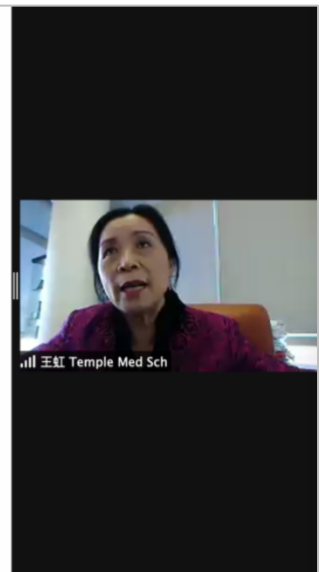
Co-Chairs: Hong Wang, Yabing Chen, Jiang Chang, Xuejun Wang, Li Chen & Li Zhang

General secretary: Changcheng Zhou

YIA Program: Jun Yu, Zhao Wang, Xun Ai

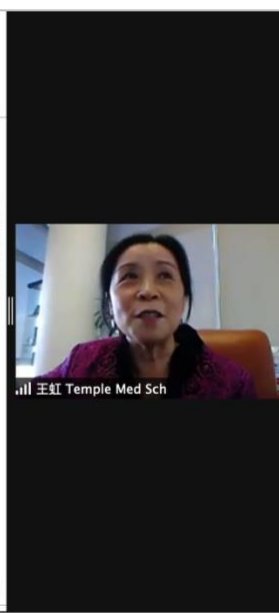
(Team of Abstract reviewers and Presentation Judges)

Other members: Hanrui Zhang, Rongxue Wu, Hong Chen, Jingyan Han, Peng Yang, Qiong Zhao & Jie Cheng



Joint Annual Cardiovascular Research Symposium and China Night 2011-2021, 10 years of History

2011	2012	2017
<p>Dear Colleagues</p> <p>We are very pleased to announce that the Academy of Cardiovascular Research Excellence (ACRE) and the Chinese American Heart Association (CAHA) will jointly host an "Annual Cardiovascular Research Symposium @ Era of Translation Medicine" on Saturday, November 12, 2011, one day prior to the annual American Heart Association (AHA) scientific sessions. This event will provide an excellent platform not only for the members of the ACRE and CAHA members but also for continued communication between the members of the two organizations and new members of several other similar organizations in the cardiovascular research community around the world. You are cordially invited to join us to promote cardiovascular research excellence in the era of translational medicine.</p> <p>Abstract submission: August 1 - October 15, 2011 (extended)</p> <p>Symposium Location: Orange County Convention Center (sponsored by AHA), Room 101A, Orlando, Florida, USA</p> <p>Symposium Date: Nov 12 (Saturday), 2011, 2-4 pm</p> <p>Registration is free but required!</p> <p>China Night Lecture: In Ballroom E, Rosen Center Hotel, Orlando, Florida, Florida, USA</p> <p>China Night Date: Nov 12 (Saturday), 2011, 4:30-10 pm</p> <p>Free Admission with RSVP?</p> <p>These tickets are limited and will be issued at the first come first serve basis.</p> <p>Registration information:</p> <p>Send your abstract submission and dinner RSVP forms (see attached) before October 15, 2011</p> <p>Dr. Yabing Chen, General Secretary of the ACRE, Division of Cardiology, Department of Medicine, University of California, Los Angeles, CA 90095 Email: yabing@ucla.edu; Phone: 310-206-1616; Fax: 310-206-1617</p> <p>Dr. Xuejun Wang, General Secretary of the CAHA, Department of Cardiology, Temple University, Philadelphia, PA 19122 Email: xuejun.wang@temple.edu; Phone: 215-204-2800; Fax: 215-204-2801</p> <p>Sincerely, Committee of ACRE/CAHA Cardiovascular Research Symposium</p>	<p>Dear Colleagues</p> <p>We are very pleased to announce that the Academy of Cardiovascular Research Excellence (ACRE) and the Chinese American Heart Association (CAHA) will jointly host an "Annual Cardiovascular Research Symposium: Free Chao Theory in Redundation" and "China Night" on Saturday, November 3, 2012, at UCLA Faculty Center, Los Angeles, California, during the annual American Heart Association (AHA) scientific sessions. This event will provide an excellent platform not only for the members of the ACRE and CAHA members but also for the continued communication between the members of the two organizations and many members of several other similar organizations in the cardiovascular community around the world. You are cordially invited to join us to promote cardiovascular research excellence in the era of translational medicine.</p> <p>Abstract submission: July 1 - October 1, 2012</p> <p>Symposium Location: UCLA Faculty Center, 480 Charles E Young Drive, Los Angeles, CA 90095</p> <p>Symposium Date: Nov 3 (Saturday), 2012, 2-4 pm</p> <p>China Night Lecture: UCLA Faculty Center, Los Angeles, CA 90095</p> <p>China Night Date: Nov 3 (Saturday), 2012, 4:00-10 pm</p> <p>Send your abstract submission before October 15, 2012</p> <p>Dr. Yabing Chen, General Secretary of the ACRE, Division of Cardiology, Department of Medicine, University of California, Los Angeles, CA 90095 Email: yabing@ucla.edu; Phone: 310-206-1616; Fax: 310-206-1617</p> <p>Dr. Xuejun Wang, General Secretary of the CAHA, Department of Cardiology, Temple University, Philadelphia, PA 19122 Email: xuejun.wang@temple.edu; Phone: 215-204-2800; Fax: 215-204-2801</p> <p>Sincerely, Committee of ACRE/CAHA Cardiovascular Research Symposium and</p>	<p>Dear Colleagues</p> <p>We are very pleased to announce that the "China-USA Cardiovascular Symposium" and "China Night" will be held on Saturday November 11, 2017, first suite during AHA Scientific Sessions the (Nov. 11-15) in Anaheim, CA. Our events is jointly hosted by ACRE (Academy of Cardiovascular Research Excellence 美国心血管研究卓越学会), CAHA (Chinese American Heart Association 美国华裔心脏病协会), and CSVM-CAP (Chinese Association of pathophysiology for Vascular Medicine 中国病理生理学会血管医学分会). Our event is supported by AHA and is a Satellite Event of AHA S3 2017. This event will include Scientific Symposium, Young Investigator Award (YIA) competition and Reception. You are cordially invited to join us to promote cardiovascular research excellence and collaboration. Please encourage your fellows/students to submit abstracts for oral presentation and YIA competition with cash award and certificates.</p> <p>Preliminary Program (1:00-6:00pm):</p> <ul style="list-style-type: none"> Research Symposium (registration not required) <ul style="list-style-type: none"> Featured scientific presentations (8 invited speakers, 20min/ speaker, 1h 40 min) Abstract oral presentations for YIA (8 speakers, 15min/ speaker, 2h) Abstract Poster presentation. Dinner Social Network Welcome from the Chairs Guest leadership speech Keynote speeches: Dr. Shu Chien, Director of Institute of Engineering in Medicine, UCSB YIA Ceremony <p>Abstract Submission and China Night registration: September 6 - October 30, 2017</p> <p>Symposium Location: To be determined, Anaheim, Los Angeles, CA</p> <p>Symposium Date: Nov 11 (Saturday), 2017, 1-6 pm</p> <p>China Night Location: To be determined, Anaheim, Los Angeles, CA</p> <p>China Night Date: Nov 11 (Saturday), 2017, 6:00-10 pm</p> <p>Abstract and Dinner Registration should be sent to: Dr. Jiamu Chang (jchang@ucla.edu), Li Chen (lchen@ucla.edu), & Changcheng Zhou (czhou@ucla.edu)</p> <p>Sincerely, China-USA CVR Symposium Committee Symposium Committee Co-Chairs: Jie Du, Yunan Fan, Hong Wang, Jiamu (Jie) Zhang, Yun Zhang, Members: Jiamu Chang, Li Chen, Jibin Chen, Yingjie Chen, Fajun Li, Guojun Qin, Ningning Wang, Changcheng Zhou</p>



Session I: Featured Scientific Presentations (1:15-2:15 pm)

Chairs: Drs. Changcheng Zhou & Rongxue Wu



1:15 - 1:45 pm “Shear Stress, Endothelial Biology, Still Going after Five Decades of Research”
John Y-J. Shyy, Ph.D. Professor of Medicine, University of California, San Diego

**Shear Stress, Endothelial Biology, Still
Going after Five Decades' Research**

November 12, 2021
2021 CAAC/ACRE/CNAHA Joint Research
Symposium

John Y-J. Shyy
Division of Cardiology, Department of Medicine,
University of California, San Diego

1:45 - 2:15 pm “Intracellular β 1 Adrenergic Signaling in Cardiac Regulation and Diseases”
Yang K. Xiang, Ph.D. Professor of Pharmacology, University of California, Davis

Intracellular β 1-adrenergic signaling in cardiac
regulation and diseases

Y. Kevin Xiang
Department of Pharmacology
UC Davis
ykxiang@ucdavis.edu

Session II: Abstract Oral Presentation for YIA Competition (2:15-3:45 pm)

Chairs: Drs. Jun Yu, Zhao Wang, & Xun Ai



2:15 - 2:30 **Xun Wu**, Columbia University “WDFY3 Is Required for The Efficient Degradation of Engulfed Apoptotic Cells by Macrophages During Efferocytosis”

American Heart Association Scientific Sessions

WDFY3 Is Required for the Efficient Degradation of Engulfed Apoptotic Cells by Macrophages during Efferocytosis

Xun Wu PhD

PI: Hanrui Zhang PhD
Cardiometabolic Genomics Program, Dept of Medicine - Cardiology
Columbia University Irving Medical Center

COLUMBIA COLUMBIA UNIVERSITY IRVING MEDICAL CENTER

Xun Wu, Columbia University Medica...

2:30 - 2:45 **Kunzhe Dong**, Augusta University “CARMN is an Evolutionarily Conserved Smooth Muscle Cell-specific LncRNA that Maintains Contractile Phenotype by Binding Myocardin”

CARMN is an Evolutionarily Conserved Smooth Muscle Cell-specific LncRNA that Maintains Contractile Phenotype by Binding Myocardin

Kunzhe Dong, Ph.D.

Dr. Jiliang Zhou lab

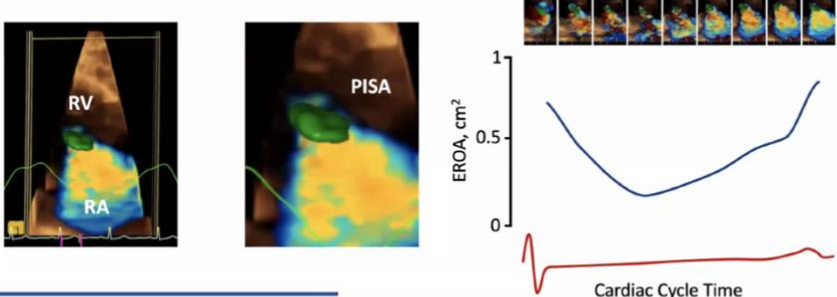
AUGUSTA UNIVERSITY

Dept. of Pharmacology & Toxicology
Medical College of Georgia
Augusta University

Kunzhe Dong-Augusta University



2:45 - 3:00 Yu Liu, Fudan University “Dynamic Systolic Changes of Tricuspid Regurgitant Flow and Orifice Area in different etiologies: Physiologic Application of the Automated 3-Dimensional Proximal Isovelocity Surface Area Technique”

Dynamic Systolic Changes of Tricuspid Regurgitant Flow and Orifice Area in Different Etiologies: Physiologic Application of the Automated 3-Dimensional Proximal Isovelocity Surface Area Technique



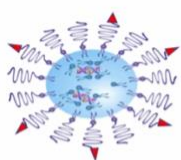
RV
RA
PISA
EROA, cm²
Cardiac Cycle Time

Yu Liu, MD, MSc
Prof. Dr. Xianhong Shu's Echo Lab
Dpt. Echo & Dpt. Cardiology, Zhongshan Hospital, Fudan University
Shanghai Institute of Cardiovascular Diseases
National Clinical Research Center for Interventional Therapy





3:00 - 3:15 Kui Cui, Harvard Medical School “Targeting epsins ameliorates atherosclerosis by restraining lipid uptake and promoting ABCG1-mediated cholesterol efflux in macrophages”

Targeting epsins ameliorates atherosclerosis by restraining lipid uptake and promoting ABCG1-mediated cholesterol efflux in macrophages



Kui Cui, PhD
Harvard Medical School
Mentor: Hong Chen, PhD





3:15 - 3:30 **Yaowei Lu**, Harvard Medical School “Poly(rC)-Binding Protein-1 (PCBP1) is Essential for Heart Development”


Poly(rC)-Binding Protein-1 (PCBP1) is Essential for Heart Development

Yao Wei Lu

Mentor:
Da-Zhi Wang, Hong Chen
Department of Cardiology | Vascular Biology Program

 **Boston Children's Hospital**
Where the world comes for answers

 **HARVARD MEDICAL SCHOOL
TEACHING HOSPITAL**



Yao Wei Lu (卢耀玮)@HMS/BCH

3:30 - 3:45 **Yang Zhao**, University of Michigan “Myeloid BAF60a-dependent chromatin remodeling as an intrinsic defensive mechanism in atherosclerosis”

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Myeloid BAF60a-dependent chromatin remodeling as a defense mechanism against atherosclerosis

Yang Zhao PhD Candidate
Mentor: Y. Eugene Chen and Jifeng Zhang
University of Michigan Medical Center

November 12, 2021





Yang Zhao U Michigan

Session III: CNAHA Bernard Lown Lectureship (3:50-4:20 pm)

Chair: Dr. Xun Ai



“neuECG, a method to simultaneously record skin sympathetic nerve activity and ECG.”

Peng-Sheng Chen, M.D.

Burns & Allen Chair in Cardiology Research

Professor of Cardiology

Staff Physician III, Cardiology

Editor-in-Chief, Heart Rhythm journal

Cedars-Sinai Medical Center

neuECG, a method to simultaneously record skin sympathetic nerve activity and ECG

Peng-Sheng Chen, MD, Burns & Allen Chair in Cardiology Research

Staff Physician III, Department of Cardiology, Smidt Heart Institute

Disclosures: Indiana University owns the neuECG patent;

Medtronic Inc. donated research equipment



cedars-sinai.org



Session IV: Keynote Speech (4:20-4:50 pm)

Chair: Dr. Yabing Chen



“Translating Genomic Medicine to Potential CVD Treatments”

Y. Eugene Chen, M.D., Ph.D

Frederick Huetwell Professor of Cardiovascular Medicine,
Director of Center for Advanced Models for Translational Sciences and Therapeutics,
University of Michigan

Translating Genomic Medicine to Potential CVD Treatments

Y. Eugene Chen, MD, Ph.D.

Frederick Huetwell Professor of Cardiovascular Medicine
Director, Center for Advanced Models for Translational Sciences
and Therapeutics
University of Michigan

November 12, 2021

2021 CAAC/ACRE/CNAHA Joint Research Symposium



YIA Ceremony and Closing (4:50-5:00 pm)

— Announced by Drs. Jun Yu, Zhao Wang, & Xun Ai.



2021 CAAC/ACRE/CNAHA Joint Research Symposium
Nov. 12, 2021

Young Investigator Award Ceremony

Jun Yu, MD & Zhao Wang, PhD & Xun Ai, MD



Jun Yu - Temple U

Reviewers and Symposium Organizers

- Abstract reviewers: Shiyou Chen (UMissouri), Yanqing Gong (UPenn), Pengchun Yu (Oklahoma MRF), Hongyu Qiu (Georgia SU), Yang Zhou (UAB), Long-Sheng Song (Ulowa), Laihua Xie (RutgersU), Haodong Xu (UW), & Kan Liu (Ulowa)
- Final judges: Hong Wang (TempleU), John Shyy (UCSD), Manling Zhang (UPitt), Yajing Wang (JeffersonU), Zhi-Ping Liu (UT Southwestern), Zijian Xu (Sutter MC), & Xinge Hu (Permanente MG)
- Symposium co-chairs from CAAC, ACRE, & CNAHA
 - Hong Wang & Yabing Chen
 - Xuejun Wang & Jiang Chang
 - Li Chen & Zijian Xu
- Other members: Changcheng Zhou (UCRiverside), Rongxue Wu (UChicago), & Hanrui Zhang (ColumbiaU)
- YIA co-Chairs: Jun Yu (Temple U), Zhao Wang (UT Southwestern) & Xun Ai (Ohio State U)



**YOUNG INVESTIGATOR AWARD
(THIRD PLACE)**
PRESENTED TO



Xun Wu Yu Liu Yang Zhao

FOR THE EXCELLENT RESEARCH & PRESENTATION AT THE
CAAC/ACRE/CNAHA Joint Research Symposium
ORGANIZED BY CHINESE AMERICAN ACADEMY OF CARDIOLOGY (CAAC)
ACADEMY OF CARDIOVASCULAR RESEARCH EXCELLENCE (ACRE)
CHINESE AMERICAN HEART ASSOCIATION (CNAHA)
November 12, 2021

YIA Committee Co-Chairs:



Jun Yu, MD



Zhao Wang, PhD



Xun Ai, MD



**YOUNG INVESTIGATOR AWARD
(SECOND PLACE)**
PRESENTED TO



Kui Cui Yaowei Lu

FOR THE EXCELLENT RESEARCH & PRESENTATION AT THE
CAAC/ACRE/CNAHA Joint Research Symposium
ORGANIZED BY CHINESE AMERICAN ACADEMY OF CARDIOLOGY (CAAC)
ACADEMY OF CARDIOVASCULAR RESEARCH EXCELLENCE (ACRE)
CHINESE AMERICAN HEART ASSOCIATION (CNAHA)
November 12, 2021

YIA Committee Co-Chairs:



Jun Yu, MD



Zhao Wang, PhD



Xun Ai, MD



**YOUNG INVESTIGATOR AWARD
(FIRST PLACE)**
PRESENTED TO



Kunzhe Dong

FOR THE EXCELLENT RESEARCH & PRESENTATION AT THE
CAAC/ACRE/CNAHA Joint Research Symposium
ORGANIZED BY CHINESE AMERICAN ACADEMY OF CARDIOLOGY (CAAC)
ACADEMY OF CARDIOVASCULAR RESEARCH EXCELLENCE (ACRE)
CHINESE AMERICAN HEART ASSOCIATION (CNAHA)
November 12, 2021

YIA Committee Co-Chairs:



Jun Yu, MD



Zhao Wang, PhD

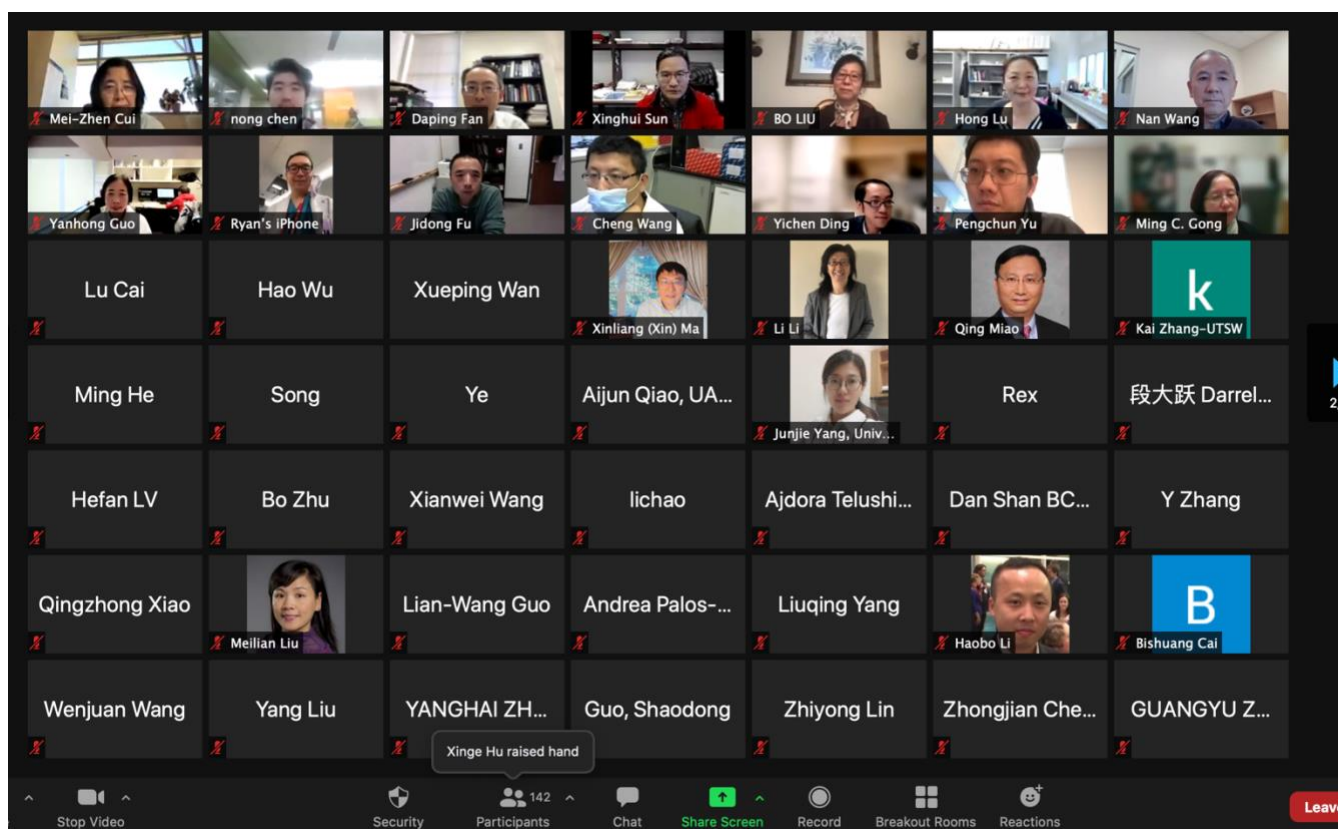


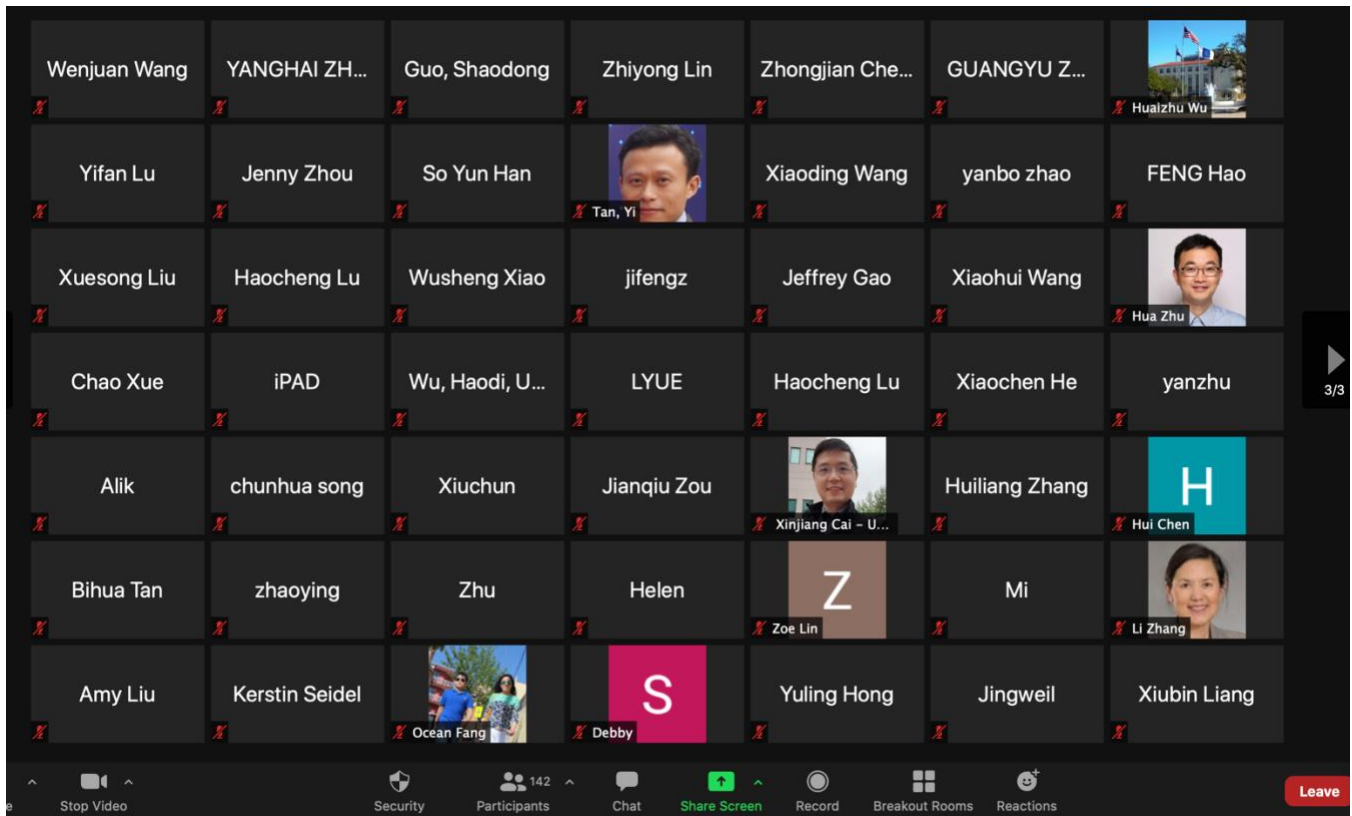
Xun Ai, MD

ePosters

Presenting Authors	Affiliations	Abstract Title
Tianyu Cao	University of California, Santa Barbara	Efficacy of folic acid therapy for the association between high serum vitamin B12 levels with all-cause mortality in a hypertensive population: a post-hoc analysis of the CSPPT randomized clinical trial
Tianyu Cao	University of California, Santa Barbara	Noninvasive central and brachial systolic blood pressure jointly predict the risk of first stroke among Chinese hypertensive adults
Julia Fedorova	University of South Florida	Activated Protein C Protects Human Cardiomyocytes Against Hypoxia Reoxygenation Stress-induced Injury Through Maintaining Mitochondrial Integrity
Kei Hang, Katie Chan	City University of Hong Kong; Brown University	Identification of genetic signals for "Diabesity" --- type 2 diabetes and obesity -- among African American and European American participants
Xiangqin He	Augusta University	Deficiency of the novel high mobility group protein HMGXB4 protects against systemic inflammation-induced endotoxemia in mice
Juan Huang	Fuwai Hospital Chinese Academy of Medical Sciences	KLF2 Links Hemodynamic Forces to Vascular Calcification by Inhibiting BMP/SMAD1/5 Pathway
Van Le	University of South Florida	Sirtuin 1 Mediates Pressure Overload-Induced Cardiac Pathological Hypertrophy Through Regulating Mitochondrial Dynamics
Fang Li	Columbia University	Elucidating the Variant-to-function Relationship for LIPA, a Coronary Artery Risk Locus
Kerstin Seidel	Boston University	Chronic moderate and heavy drinking damage vascular endothelial function in ApoE^{-/-} mice by inducing redox dysregulation of small RhoGTPase Rac1 (MP4) (PPT)
Lizhe Sun	Xi'an Jiaotong University	Metabolic rewiring of circulating Ly6Chigh and Ly6Clow monocyte in diabetic mice
Xiaofang Tang	City Of Hope	Long Non-Coding RNA LEENE Promotes Angiogenesis and Hindlimb Reperfusion
Ying Wang	University of California, Davis	Monoamine oxidase tunes intracellular CE_s1AR signaling and SERCA2a function in healthy and ischemic hearts
Xun Wu	Columbia University	WDFY3 Is Required For The Efficient Degradation Of Engulfed Apoptotic Cells By Macrophages During Efferocytosis
Hongbo Xiong, Hua Zhong	University of Science and Technology	Mechanistic insights into the interaction of cardiac sodium channel Nav1.5 with MOG1 and a new molecular mechanism for Brugada syndrome
Ke Xue	Capital Medical University	Nitration of CREB participated in MI-induced myocardial fibrosis via accelerating transcription of col1a2 and cxcl12
Liuqing Yang	University of South Dakota	Ser14-Rpn6/PSMD11 Phosphorylation Mediates the Activation of 26S Proteasomes by cyclic AMP and Protects against Cardiac Proteotoxic Stress in Mice
Pengyu Zong	University of Connecticut	Trpm2 deficiency prevents atherosclerosis by inhibiting CD36 activation in macrophages
Yanghai Zhang	University of Wisconsin-Madison	RNA Binding Motif 20 (RBM20) Mutation and Phosphorylation in Cardiac Remodelling and Pathogenesis
Guizhen Zhao	University of Michigan	BAF60c Prevents Abdominal Aortic Aneurysm Formation Through Maintaining Vascular Smooth Muscle Cell Homeostasis

Participants





2021 CAAC/ACRE/CNAHA Joint Research Symposium Organizing Committee

Co-chairs: Drs. Hong Wang, Yabing Chen, Xuejun Wang, Jiang Chang, Li Chen & Zijian Xu

Members: Drs. Jun Yu, Changcheng Zhou, Zhao Wang, Xun Ai, Hanrui Zhang, Hong Chen, Jingyan Han, Rongxue Wu, Hua Zhu, Jie Cheng, & Li Zhang

CAAC Updates



CAAC Board

Clinical President:	Qiong Zhaoi
Research President:	Yabing Chen & Hong Wang
Research Vice President:	Yun Yu
General Secretary:	Changcheng Zhou
Treasure:	Peng Yan (阎鹏)
Research Committee Chair:	Hong Chen & Xiaofeng Yang
Membership Director:	Liya Yin
Communication Director:	Hanrui Zhang
Liaison officer:	Tzung Hsiai & Zhenguo Liu
Program Director (Research):	Jiliang Zhou & Ying Shen
Program Director (Clinical):	Reihai Zhou & DingDing Xiong



Welcome CAAC new members! (2020-2021)



1 Hongyu Qiu	Georgia State University	15 John Shyy	University of California, San Diego
2 SongGui Yang	University of Tulane	16 Zhiyong Lin	Emory University
3 Jianzhong Shen	Auburn Uni. Harrison Sch. of Pharmacy	17 Daping Fan	Sch. of Medicine, Uni. South Carolina
4 Shu Meng	Houston Methodist Research Institute	18 Chuanfu Li	Quillen Col of Med, ETSU, Johnson city
5 Xiancheng Jiang	SUNY Downstate Medical Center	19 Liwu Li	Virginia Tech-Carilion Sch. of Medicine
6 Xinjiang Cai	Ronald Reagan UCLA Medical Center	20 Feng Dong	Northeast Ohio Medical University
7 Chen Yan	Uni. of Rochester School of Medicine	21 Wang, Rong	Uni. of California, San Francisco
8 Yang Kevin Xiang	University of California at Davis	22 Congqing Wu	College of Medicine, Uni. of Kentucky
9 Xiaochun Long	Augusta University	23 De-Pei Li	Uni. of Missouri, School of Medicine
10 Yajing Wang	Thomas Jefferson University	24 Jinjiang Pang	Aab CV Res. Ins., Uni. Rochester,
11 Jianxin Sun	Thomas Jefferson University	25 Peisong Ma	Thomas Jefferson University
12 Jifeng Zhang	University of Michigan	26 JiaLong Zhou	Tulane University School of Medicine
13 Sheng Wu	Temple University Medical School	27 Ming Cui Gong	University of Kentucky
14 Pengchun Yu	Oklahoma Medical Research Foundation	28 Zhenheng Guo	University of Kentucky

CAAC Member's Zoom Saloon (2nd Sat. 9pm): chaired by Jiliang Zhou @ Hong Cheng

