

Meet the First Authors

Circulation Research ■ Vol. 122 ■ No. 6 ■ March 16, 2018



IRF8-Dependent Dendritic Cells in Atherosclerosis (p 813)

Dr Marc Clement earned his PhD from Paris Denis Diderot University under the supervision of Dr Giuseppina Caligiuri, where he studied immune cell interactions in the setting of chronic inflammatory diseases. His PhD was supported by a scholarship from Région Paris Île-de-France (CORRDIM). Previously, Dr Clement earned a BS in Biomedical Research from Ecole Supérieure des Techniques de Biologie Appliquée (ESTBA, Paris, France), and an MS in Biology from the Ecole Pratique des Hautes Etudes (EPHE, Paris, France). In 2015, he was awarded the Prix Aguirre-Basualdo/Robin, Medicine, from the Chancellerie des Universités de Paris. He is currently working as a postdoctoral fellow in Dr Ziad Mallat's lab at the University of Cambridge (UK), Department of Cardiovascular Medicine. His research focuses on pro- and anti-inflammatory processes taking place during atherosclerosis and aortic aneurysm formation. He is particularly interested in investigating T-cell functions during arterial remodeling. Outside of science, Marc enjoys discovering new cultures, traveling the world, and spending time with his friends and family.



RCAN1 Helps Maintain a Fused Mitochondrial Network (p e20)

Dr Valentina Parra is currently an Assistant Professor at the University of Chile, where her research focuses on the role of mitochondria in both Down Syndrome and the differentiation of iPSC into cardiac lineages. She earned a BS and MS in Biochemistry at the University of Chile before completing her PhD (mentor, Sergio Lavandero) at the same institution. She then joined the Rothermel laboratory at the University of Texas Southwestern Medical Center in Dallas, where she was supported by an American Heart Association postdoctoral fellowship. During her career, she has had the opportunity to study in a variety of institutions abroad, including the University of Liverpool and the University of Utah. She is passionate about the importance of networking to increase both the visibility of Chilean science and its impact internationally. She loves cinema, movies, and being an advocate for all aspects of scientific inquiry. She looks forward to amazing new experiences in 2018, including the birth of her first child.

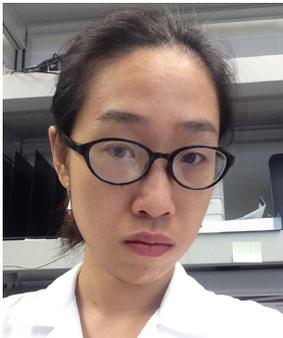


Asb2 α Is Essential for Heart Development (p e34)

Arnaud Métais has a postgraduate degree in bioengineering from the Conservatoire National des Arts et Métiers (Paris). He is currently a research assistant at the Institute of Pharmacology and Structural Biology (IPBS) in Toulouse, France. He began his professional career as a research technician, working on prion diseases and nosocomial bacterial pathogens and became a research assistant thanks to evening classes. He was recruited by the CNRS (Centre National de la Recherche Scientifique) in 2009 and was appointed to Pierre Lutz's lab at IPBS to develop mouse models to study the roles of Asb2 proteins in health and diseases. Arnaud is driven by discovering new targets for therapeutic purposes. While conducting studies to understand the embryonic lethality of Asb2 knockout mice, he uncovered an unsuspected and essential role of the Asb2 α protein in heart development. In the lab, he likes sharing his expertise with others. Outside of the lab, he loves outdoor activities with his family and tries to play tennis.

Meet the First Authors

Circulation Research ■ Vol. 122 ■ No. 6 ■ March 16, 2018



JNK2/CaMKII Crosstalk Underlies Atrial Arrhythmias (p 821)

Dr. Jiajie Yan is currently a second-year postdoctoral fellow in the lab of Dr Xun Ai at Rush University Medical Center. She obtained her PhD training under the mentorship of Dr Xun Ai at Loyola University Chicago. She earned a BS in Bioengineering from Zhejiang University, Hangzhou, China, and an MS in Biomedical Engineering from the University of Alabama at Birmingham. Her current research projects focus on the functional impact of stress–response pathways on cardiac arrhythmias in various models, such as aging, diabetes, and heart failure. Through her years in training, she has gained experience in cellular and intact heart electrophysiological studies using cellular/animal models and intact human donor hearts. Outside the lab, she enjoys studying classical music and participating in local health fairs by advocating for physical exercise and a healthy diet.



Suppressing ME1 and Anaplerosis in Hypertrophy (p 836)

Dr. Ryan Lahey is currently an Internal Medicine resident at Northwestern University. He earned his BS in Biomedical Engineering, with a second major in Applied Mathematics, at Washington University in St. Louis and his MD/PhD at the University of Illinois College of Medicine, where he graduated as a member of Alpha Omega Alpha, and was awarded a predoctoral fellowship from the American Heart Association. Ryan completed his thesis in the cardiovascular metabolism laboratory of Dr E. Douglas Lewandowski, where he focused on elucidating the underlying mechanisms of impaired fatty acid storage dynamics and glucose oxidation in cardiac hypertrophy. As a budding clinician, he is particularly interested in the role that lifestyle interventions, including diet and exercise, may play in the treatment and prevention of heart disease. This summer, he will be applying for fellowships in cardiovascular disease with the goal of pursuing a career in academic medicine. Ryan credits his interest in cardiovascular health and the field of cardiology to his history as an avid distance runner, having completed many full and half marathons after competing on the varsity cross country and track teams at Washington University. Besides running, he likes to spend his free time outside, boating on Lake Michigan, water and alpine skiing, and backpack camping.



CYB561 and Orthostatic Hypotension (p 846)

Dr. Maarten van den Berg is a professor of Genetic Cardiology in the University Medical Center Groningen, Groningen, the Netherlands. He earned his BS, MS, and MD from the University of Groningen, and spent 6 years as a cardiologist before earning a PhD in 1994 (mentor, Dr K.I. Lie) on the interaction between heart failure, atrial fibrillation, and the autonomic nervous system. He then shifted his focus to the field of cardiogenetics, but continues to be interested in the autonomic nervous system. The work shown in the present publication is a combination of his expertise in the autonomic nervous system and hereditary diseases. Besides his research, he is also actively engaged in the care of patients with hereditary cardiovascular diseases (hereditary cardiomyopathies, arrhythmias, connective tissue diseases) and he finds the interaction between these two activities inspiring and gratifying. Maarten believes that caring for patients causes questions to arise as to the mechanisms underlying the clinical findings, and the answers provided by research can be applied to improve patient care, as was the case in the current study. For Maarten, this is academia at work. In his leisure time, he enjoys reading history, playing golf, and sailing.

Meet the First Authors*Circulation Research* ■ Vol. 122 ■ No. 6 ■ March 16, 2018**Vascular RvD_{n-3 DPA} Reduce Systemic Inflammation (p 855)**

Dr Romain A. Colas earned his MS in 2007 from the University of Lyon. In 2010, he completed a PhD at the INSA of Lyon, investigating mechanisms leading to increased cardiovascular risk events in diabetic patients. In 2012, he joined Dr Charles N. Serhan's laboratory at Harvard Medical School where he contributed to the identification of a novel family of potent mediators derived from n-3 docosapentaenoic acid (DPA) and their biological actions. There, he trained in lipid mediators (LM) profiling using LC-MS-MS, RP-UV-HPLC, and GC-MS techniques. In 2015, he joined Dr Jesmond Dalli team at the WHRI where he currently investigates LM actions, in particular those from n-3 DPA in the context of rheumatoid arthritis and cardiovascular diseases. As a young scientist eager to join cutting-edge research laboratories, he has shared the exciting experience of living abroad with his beloved wife. Throughout his many moves, he realized that team spirit and friendship can move mountains and solve all problems (with the addition of a few pints, of course)! On a personal note, this paper was born (almost) at the same time as his daughter, who reminds him every minute why he is a scientist.

**Vascular RvD_{n-3 DPA} Reduce Systemic Inflammation (p 855)**

Dr Patricia R. Souza earned her BS in Biochemistry and Immunology and an MS in Microbiology from the Federal University of Minas Gerais/Brazil. She recently completed her PhD at the William Harvey Research Institute, Queen Mary University of London with Dr Mauro Perretti, focusing on evaluating the mechanisms of the activation of G-coupled protein receptor 40 in leukocytes and rheumatoid arthritis. She is currently working as a postdoctoral research fellow in Dr Jesmond Dalli's group, investigating the role of specialized pro-resolving mediators (SPM) in regulating innate and adaptive immune responses in rheumatoid arthritis and cardiovascular disease. The present work highlights the role of a new family of these mediators in maintaining health, an area of research that fascinates her. She strongly believes that SPM will be the next generation of drugs for treatment of chronic inflammatory diseases. Moving to the other side of the ocean to a different culture and lifestyle has been a big challenge, but it allowed her to learn new skills that would not be possible in her home country. She loves travelling and likes running outside and is looking forward to returning to running after a 6-month break following the recent birth of her baby.

**Network Analysis, Exercise, and Clinical Outcome (p 864)**

Dr William Oldham is a physician–scientist in the Pulmonary Division at Brigham and Women's Hospital. He studied Chemistry at UNC Chapel Hill (Go Heels!) and Medicine at Vanderbilt, where he also completed a PhD under the mentorship of Dr Heidi Hamm. After clinical training and a postdoctoral fellowship with Dr Joseph Loscalzo, he is developing his own laboratory focused on pulmonary vascular cell metabolism. As an extension of his interest in pathways and networks, he is excited about the promise of applying systems biology approaches to clinical decision-making as described in this manuscript. Dr Oldham believes that these approaches enable us to utilize so much more of the information we collect about patients that they will, hopefully, allow us to make better assessments and provide better care. Outside of the lab, Will loves spending time with his three daughters, playing board games (“A sheep for brick, anyone?”), building Legos, reading books, and watching Star Wars.

Meet the First Authors

Circulation Research ■ Vol. 122 ■ No. 6 ■ March 16, 2018



Network Analysis, Exercise, and Clinical Outcome (p 864)

Dr Rudolf Oliveira is a pulmonologist and researcher in the Division of Respiratory Diseases at the Federal University of Sao Paulo, Brazil. He earned his MD at the Sao Jose do Rio Preto Medical School, Brazil, and after clinical training, he pursued his PhD in the field of pulmonary vascular disease at the Federal University of Sao Paulo. His postdoctoral fellowship was in the field of invasive cardiopulmonary exercise physiology at the Brigham and Women's Hospital, Harvard Medical School, Boston, MA. Under the supervision of Dr David M. System and Dr Aaron B. Waxman, he employed invasive cardiopulmonary exercise tests to gain an understanding of exercise intolerance and the complex interaction between the pulmonary vasculature and the right heart in health and disease. He believes that, understanding the physiologic basis of functional limitation may provide groundwork for better risk stratification and target treatment strategies that have the potential to improve current patient care. Outside of work, Rudolf enjoys spending time with his lovely daughter and wife.

Circulation Research

JOURNAL OF THE AMERICAN HEART ASSOCIATION



Meet the First Authors

Circ Res. 2018;122:792-795

doi: 10.1161/RES.0000000000000202

Circulation Research is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231

Copyright © 2018 American Heart Association, Inc. All rights reserved.

Print ISSN: 0009-7330. Online ISSN: 1524-4571

The online version of this article, along with updated information and services, is located on the
World Wide Web at:

<http://circres.ahajournals.org/content/122/6/792>

Permissions: Requests for permissions to reproduce figures, tables, or portions of articles originally published in *Circulation Research* can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the [Permissions and Rights Question and Answer](#) document.

Reprints: Information about reprints can be found online at:
<http://www.lww.com/reprints>

Subscriptions: Information about subscribing to *Circulation Research* is online at:
<http://circres.ahajournals.org/subscriptions/>