

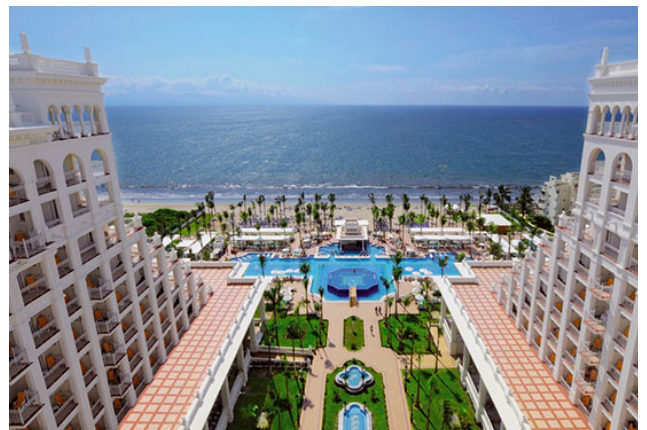


***Association of
Chairs of
Departments
Of Physiology***

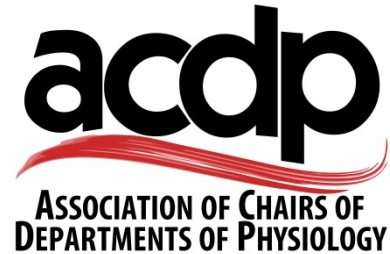
2013 Annual Retreat

December 5 – 8, 2013

***Hotel Riu Palace Pacifico
Puerto Vallarta, Mexico***



Association of Chairs of Departments of Physiology
9650 Rockville Pike, Suite E314
Bethesda, Maryland 20814-3991
Tel. 301-634-7785; Fax: 301-634-7098



November 22, 2013

Dear Attendees:

As President of ACDP for 2013, I want to welcome you to our annual ACDP Retreat in Puerto Vallarta, at the Hotel Riu Palace Pacifico in a seafront location on the impressive Pacific Ocean and surrounded by unique nature.

On Thursday, Mary Woolley, President of Research!America will discuss the impact of NIH funding cuts on American science. On Friday, Dr. Mark Taubman, Dean, School of Medicine & Dentistry at the University of Rochester Medical Center will discuss supporting research in academic medical centers in the era of health care reform and fiscal conservatism.

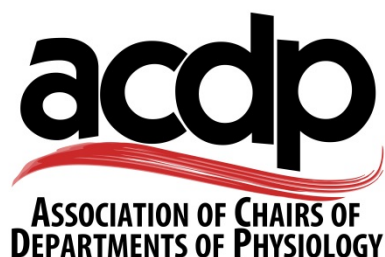
This year the Guyton Award Lecture will be presented by Dr. José Jalife from the University of Michigan. Dr. Jalife's work has increased the understanding of the fundamental mechanisms of atrial fibrillation, ventricular tachycardia/fibrillation and sudden cardiac death.

This year we are delighted to have Dr. Allen Cowley Jr. from the Medical College of Wisconsin presenting our Distinguished Service Award Lecture Friday evening.

I'm sure you will find our speakers enjoyable and informative. I look forward to spending time with you in Puerto Vallarta, Mexico.

Sincerely,

Muthu Perisamy, PhD
President



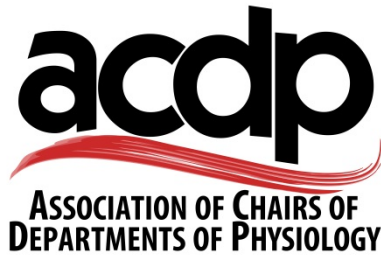
Association of Chairs of Departments of Physiology
Annual Meeting Agenda
RIU Palace Pacifico
Puerto Vallarta, Mexico
December 5 – 8, 2013

Thursday, December 5	
1:00 – 5:00 pm	Registration (<i>Lobby Bar</i>)
3:00 – 5:00 pm	ACDP Council Meeting (<i>Salon Tepic</i>) (NOTE: for ACDP officers only)
6:00 – 7:00 pm	<i>The Impact Of NIH Funding Cuts On American Science</i> Mary Woolley, PhD President of Research!America Member of the Institute of Medicine Fellow of the American Association for the Advancement of Science (AAAS) Founding member - Board of Associates of the Whitehead Institute for Biomedical Research <i>(Salon Vallarta)</i>
7:00 – 9:00 pm	Reception* (<i>Marlin Bar</i>)
Friday, December 6 <i>(Salon Vallarta)</i>	
8:30 – 9:00 am	New chair Talk - Kevin Foskett, PhD <i>“Research In The Foskett Lab”</i> Chair, Department of Physiology, University of Pennsylvania Isaac Ott Professor of Physiology Professor Department of Cellular and Developmental Biology Member, Mahoney Institute of Neurosciences and the Abramson Cancer Center
9:30 – 10:00 am	Business meeting I Financial report, CFAS report, nominations of officers)
10:00 – 10:30 am	Coffee Break
10:30 – 11:30 am	Dean’s Talk – Mark B. Taubman, MD <i>“Supporting Research In Academic Medical Centers In The Era Of Health Care Reform And Fiscal Conservatism”</i> Dean, School of Medicine & Dentistry University Vice President for Health Sciences University of Rochester Medical Center
11:30 am – 12:00 pm	ACDP Council meeting (NOTE: for ACDP officers only)
Afternoon	Lunch, afternoon, and dinner on your own
7:00 pm – 8:00 pm	<i>Distinguished Service Award Lecture</i> Allen W. Cowley, Jr., PhD Professor and Chairman Department of Physiology Medical College of Wisconsin Milwaukee, WI

*ACDP-registered attendees and ACDP-registered guests only.

8:00 pm – 9:00 pm	<p style="text-align: center;"><i>Future of Physiology –Emerging needs</i></p> <p style="text-align: center;">Susan DeMesquita, PhD - “Digital Age Of Medical Education” Professor and Chair Department of Neuroscience and Physiology American University of the Caribbean School of Medicine Cupecoy, Dutch Lowlands, Saint Maarten Netherlands Antilles</p> <p style="text-align: center;">M. Bishr Omary, MD, PhD - “Physiology Department And Budget Issues, New Age Of Management ” Professor and Chair Department of Molecular & Integrative Physiology University of Michigan</p> <p style="text-align: center;">Michael Sturek, PhD – “Compensation Plans” Professor and Chair Department of Cellular & Integrative Physiology Indiana University School of Medicine Indianapolis, IN</p>
Saturday, December 7 <i>(Salon Vallarta)</i>	
8:30 am – 9:30 am	<p style="text-align: center;"><i>Guyton Award Lecture</i></p> <p style="text-align: center;">José Jalife, MD “Searching For The Holy Grail: Upstream Therapy To Prevent Atrial Fibrillation Progression” Professor of Internal Medicine and The Cyrus and Jane Farrehi Professor of Cardiovascular Research Professor of Molecular & Integrative Physiology Director, Center for Arrhythmia Research University of Michigan</p>
9:30 am – 10:30 am	<p style="text-align: center;">Muthu Periasamy, PhD “Future of Biomedical Research in the USA” Professor and Chair Department of Physiology & Cell Biology The Ohio State University Followed by Panel Discussion with Harel Weinstein, D.Sc., and Chip Montrose, PhD</p>
10:30 am – 11:00 am	Coffee Break
11:00 am – 11:30 am	<p style="text-align: center;">Martin Frank, PhD “Status and initiatives of the APS” Executive Director American Physiological Society</p>
11:30 am – 12:00 pm	Business meeting II (election of officers, 2014 meeting information)
Afternoon	Lunch and afternoon on your own
7:00 pm – 10:00 pm	Meeting Banquet* Mariachi Band /Dancing <i>(Beach)</i>
Sunday, December 8	
All Day	Departures or on your own

*ACDP-registered attendees and ACDP-registered guests only.



ACDP 2013 Annual Meeting Speakers

“The Impact of NIH Funding Cuts on American Science”

Mary Woolley

President of Research!America
Member of the Institute of Medicine
Fellow of the American Association for the Advancement of Science (AAAS)
Founding member - Board of Associates of the Whitehead Institute
for Biomedical Research

“Research in the Foskett Lab”

New chair - Kevin Foskett, PhD

Chair, Department of Physiology, University of Pennsylvania
Isaac Ott Professor of Physiology
Professor Department of Cellular and Developmental Biology
Member, Mahoney Institute of Neurosciences and the Abramson Cancer Center

“Supporting Research in Academic Medical Centers in the Era of Health Care Reform and Fiscal Conservatism”

Dean’s Talk – Mark B. Taubman, MD

Dean, School of Medicine & Dentistry
University Vice President for Health Sciences
University of Rochester Medical Center

“Physiology With a Pinch of Salt”

Distinguished Service Award Lecture

Allen W. Cowley, Jr., PhD

Professor and Chairman
Department of Physiology
Medical College of Wisconsin
Milwaukee, WI

“Digital Age of Medical Education”

Susan DeMesquita, PhD

Professor and Chair Department of Neuroscience and Physiology
American University of the Caribbean School of Medicine
Cupecoy, Dutch Lowlands, Sint Maarten
Netherlands Antilles

***"Physiology Department and Budget Issues,
New Age of Management "***

M. Bishr Omary, MD/PhD

Professor and Chair
Department of Molecular & Integrative Physiology
University of Michigan

“Compensation Plans”

Michael Sturek, PhD

Professor and Chair
Department of Cellular & Integrative Physiology
Indiana University School of Medicine
Indianapolis, IN

***“Searching for the Holy Grail: Upstream Therapy to Prevent
Atrial Fibrillation Progression”***

Guyton Award Lecture

José Jalife, MD

Professor of Internal Medicine and
The Cyrus and Jane Farrehi Professor of Cardiovascular Research
Professor of Molecular & Integrative Physiology
Director, Center for Arrhythmia Research
University of Michigan

“Future of Biomedical Research in the USA”

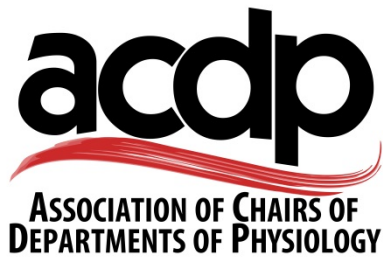
Muthu Periasamy, PhD

Professor and Chair
Department of Physiology & Cell Biology
The Ohio State University
Followed by Panel Discussion with Drs. Harel Weinstein and Chip Montrose

“Status and initiatives of the APS”

Martin Frank, PhD

Executive Director
American Physiological Society



ACDP Speaker Biosketches



Mary Woolley

President of Research!America

Member of the Institute of Medicine

Fellow of the American Association for the Advancement of Science (AAAS)

Founding member – Board of Associates of the Whitehead Institute for Biomedical Research

Mary Woolley is the president of Research!America, the nation's largest not-for-profit, membership supported grassroots public education and advocacy organization committed to making medical and health research a higher national priority. Under her leadership, Research!America has earned the attention and respect of elected and appointed officials, researchers in the public, private and academic sectors, media, and community leaders with its record of innovation in advocacy for research. Research!America's reports and publications, websites, and constituent education initiatives have been honored by leading regional and international communications and advocacy organizations, including the Public Relations Society of America. Woolley is an elected member of the Institute of Medicine and serves on its Governing Council. She is a Fellow of the American Association for the Advancement of Science (AAAS) and serves on the National Academies Board on Life Sciences. She is a founding member of the Board of Associates of the Whitehead Institute for Biomedical Research. Woolley has served as president of the Association of Independent Research Institutes (AIRI), as editor of the *Journal of the Society of Research Administrators*, as a reviewer for the National Institutes of Health and National Science Foundation, and as a consultant to several research organizations.

She has a 30-year editorial and publication history on science advocacy and research related topics. Her op-eds and letters to the editor are published in newspapers and magazines from coast to coast including *The New York Times* and *Washington Post*. She has been published in *Science*, *Nature*, *Issues in Science and Technology*, *The New England Journal of Medicine*, *The Journal of the American Medical Association*, *The Scientist*, *Women's Health Magazine* and others. She is a sought-after speaker and is frequently interviewed by science, news and policy journalists.

Woolley has an honorary doctoral degree from the Northeastern Ohio Universities Colleges of Medicine and Pharmacy. For her work on behalf of medical research, she has been honored as a Woman of Vision by the American Committee for the Weizmann Institute of Science and has received the American Hospital Association Silver Touchstone Award for Public Affairs Programming, the Columbia University College of Physicians and Surgeons Dean's Award for Distinguished Service, the Federation of American Societies for Experimental Biology Special Award for Science Advocacy, the Friends of the National Institute for Nursing Research Health Advocacy Award, the Awareness and Advocacy Award from the Clinical Research Forum, and the Friends of the National Library of Medicine Paul G. Rogers Public Service Award. A native of Chicago, Woolley received a bachelor of science from Stanford University and a master of arts from San Francisco State University. In her early career, Woolley served as San Francisco project director for the then largest-ever NIH-funded clinical trial, the Multiple Risk Factor Intervention Trial (MRFIT). In 1981, she became administrator of the Medical Research Institute of San Francisco, and in 1986 was named the Institute's executive director and CEO. Woolley has served as president and CEO of Research!America since 1990.



Kevin Foskett, PhD

Chair, Department of Physiology
University of Pennsylvania
Issac Ott Professor of Physiology
Professor Department of Cellular and
Developmental Biology
Member, Mahoney Institute of
Neurosciences and the Abramson Cancer
Center

Kevin Foskett is the Isaac Ott Professor of Physiology at the University of Pennsylvania, with a cross appointment in the Department of Cellular and Developmental Biology, and a member of the Mahoney Institute of Neurosciences and the Abramson Cancer Center. Dr Foskett received his BS in zoology from Duke University, an MS in Marine Science from the University of South Carolina, and his PhD in zoology/physiology from UC Berkeley. He did postdoctoral work at Berkeley and the NIH, before starting his own lab at the Navy Medical Research Center. He subsequently moved to the Hospital for Sick Children in Toronto, where he was a Scientist in the Research Institute and a member of the Department of Physiology at the University of Toronto. In 1995 he moved to the University of Pennsylvania. His research for over 30 years has had as its focus the mechanisms and regulation of ion transport and signal transduction. This work has led to his recognition by the international scientific community as a significant contributor to a number of fundamental areas of research, including cell volume regulation, mechanisms of osmoregulation by marine fish, mechanisms of intracellular Ca^{2+} signaling in epithelial cells, mechanisms and regulation of exocrine secretion, the cell biology of cystic fibrosis, and the molecular physiology of the InsP_3R Ca^{2+} release channel. His laboratory is internationally recognized as a leader in the biophysics and cell biology of the InsP_3R Ca^{2+} release channel (Physiol. Rev, 2007). He has a long publication history in the mechanisms of Ca^{2+} signaling, in which he has employed electrophysiology, novel quantitative live-cell optical imaging and biochemical approaches. This work has led to studies of the molecular mechanisms of programmed cell death, genetically-inherited forms of Alzheimer's disease, cellular bioenergetics and autophagy, and the roles of proteolytic cleavage, redox state, and protein interactions on the activity of the InsP_3R in single channel and cellular studies. He discovered that

cellular bioenergetics is strongly influenced by constitutive Ca^{2+} transfer from the endoplasmic reticulum to mitochondria through the InsP_3R under basal conditions (Cell, 2010). He also recently discovered an essential function of MICU1 as a gatekeeper that prevents mitochondrial Ca^{2+} overload under basal conditions (Cell, 2012). In addition, he identified MCUR1 as a novel component of the mitochondrial Ca^{2+} influx Ca^{2+} channel whose expression is essential for function of the MCU uniporter channel (Nature Cell Biology, 2012). He has also discovered CALHM1 as a novel pore-forming subunit of an ion channel (PNAS, 2012) that has structural similarities to connexins and pannexins by convergent evolution. His team found that CALHM1 is expressed in type II taste cells in taste buds where it mediates ATP release as an essential mechanism that transduces peripheral detection of sweet, bitter and umami taste molecules into taste perception by the central nervous system (Nature, 2013).

Dr Foscett is a past-president of the Society of General Physiologists, and is on the editorial boards of the Journal of General Physiology and Physiological Reviews.



Mark B. Taubman, M.D.

Dean, School of Medicine and Dentistry
University Vice President for Health
Sciences
University of Rochester Medical Center

Mark Taubman is Dean of the School of Medicine and Dentistry and University Vice President for Health Sciences at the University of Rochester Medical Center. He received his M.D. degree from New York University and completed his training in medicine and cardiology at the Brigham and Women's Hospital and Harvard Medical School. He has served on the faculties of Mt. Sinai School of Medicine in New York, Children's Hospital

Medical Center and Harvard Medical School in Boston, Massachusetts. Dr. Taubman was previously the Charles E. Dewey Professor and Chairman of Medicine (2007-2010) and Chief of the Cardiology Division (2003-2009) at the University of Rochester. In addition he was Director of the Aab Cardiovascular Research Institute (2005-2007) and Director of the Center for Cellular and Molecular Cardiology (2003-2005). Dr. Taubman is a member of the American Heart Association, the American Society of Hypertension, the Association of University Cardiologists, and the Association of American Medical Colleges. He is a Fellow, American College of Cardiology and Fellow, American College of Physicians. He is the former Editor-in-Chief, *Arteriosclerosis, Thrombosis, and Vascular Biology*.

Dr. Taubman is an international authority in vascular biology with research interests in tissue factor biology and chemokines. He has published widely – more than 120 articles, chapters, and books.



Allen W. Cowley, Jr., PhD

Professor and Chairman
Department of Physiology
Medical College of Wisconsin
Milwaukee, WI

Allen W. Cowley, Jr. has been Professor and Chairman of the Department of Physiology at the Medical College of Wisconsin since 1980. He earned his doctorate in Physiology from Hahneman Medical College in Philadelphia, Pennsylvania working with Dr. John Scott. He then joined the department of Physiology and Biophysics headed by Dr. Arthur

Guyton at the University of Mississippi Medical Center. Dr. Cowley rose to the rank of Professor there before accepting his current position at the Medical College of Wisconsin as Chairman and Professor of Physiology in 1980. Dr. Cowley has made seminal findings related to the role of the baroreceptor reflexes, the renin-angiotensin system and vasopressin in both the short and long-term regulation of arterial blood pressure. His research has revealed the importance of the renal medullary circulation in sodium homeostasis and the long-term control of arterial pressure. He proposed the novel hypothesis and then demonstrated that small reductions of blood flow to medulla of the kidney can produce chronic hypertension. During the past decade, he has pioneered efforts to attach systems level biology to the genome providing novel insights into the location of genes that underlie complex disease planting the seeds for the field now referred to as “physiological genomics”. Dr. Cowley has served as President of the American Physiological Society as well as the President of the International Union of Physiological Sciences. He has received the Walter Cannon, the Ernest Starling, the Carl Wiggers, and Ray Daggs Awards from the American Physiological Society. Dr. Cowley has been the recipient of the Novartis Award from the Council for High Blood Pressure Research of the American Heart Association and the Distinguished Scientist Award of the American Heart Association. His research has been continuously funded by the National Institutes of Health since 1971 during which time he has mentored over fifty fellows and students in his laboratory. Currently he directs two program project grants. One is focused on the kidney and the physiological mechanism of blood pressure control, while the second explores the genetic basis of salt-sensitive hypertension. He has over 325 publications in peer-reviewed journals and 38 book chapters.

Current research:

Mechanisms controlling blood flow to the renal medulla. Studies in our laboratory have found that reductions of medullary blood flow result in excess retention of sodium and water and lead to hypertension. Our work is now directed toward understanding the mechanisms that normally control renal medullary blood flow and how alterations in these pathways can lead to hypertension. We are looking at medullary production of reactive oxygen species within the tubules that surround the microcirculation, to determine how nitric oxide and superoxide produced in these tubules can signal changes in the regional blood flow. Other studies in our lab are directed to understanding the role of excess production of superoxide and hydrogen peroxide within a genetic rat model of salt-sensitive hypertension.

Impact of arterial pressure on the production of oxidative stress and renal injury in the renal medulla of hypertensive rats. We are conducting studies on chronically instrumented rats, in which the arterial pressure to a single kidney can be controlled at a normal level during the development of hypertension while the other kidney is exposed to the effects of the high arterial pressure. Computer controlled inflation of an aortic balloon occluder implanted on the aorta between the upper right renal artery and lower left renal artery controls these pressures over several weeks. Immunohistochemical techniques and microarray studies determine what pathways are initiated by the elevated pressure that lead to interstitial fibrosis within the hypertensive kidney.

Determine the genetic and physiological basis of protection from salt-induced hypertension resulting from the introgression of chromosome 13 from a normal BN rat into the Dahl salt-sensitive rat. We have developed 26 overlapping congenic Dahl salt-sensitive rat strains, each with a small piece of the BN chromosome 13 substituted into the Dahl salt-sensitive chromosome 13. These studies will use gene microarrays as a powerful assay system to test specific hypotheses about how genetic pathways and networks are linked to whole system physiology and the progression of hypertension. Genes differentially expressed within the small congenic regions that are associated with a protective effect from salt-induced hypertension will be further identified by positional cloning approaches.



Susan DeMesquita, Ph.D.

Professor and Chair
Department of Neuroscience and
Physiology
American University of the Caribbean
Sint Maarten, West Indies

Susan DeMesquita received her Ph.D. in Physiology from Thomas Jefferson University in Philadelphia in 1977. Her area of research was directed by Eugene Aserinsky, Ph.D. and explored the impact of airway obstruction on sleep pattern in the dog. She was appointed Assistant Professor of Physiology at Marshall University, School of Medicine in Huntington, West Virginia in 1977. She was responsible for teaching pulmonary physiology, renal/acid-base physiology and neurophysiology to first year medical students and won many teaching awards. During the next twenty-five years, she developed the only sleep research laboratory in the state and went on to attain tenured, full-professorship in the Physiology Department at Marshall University, School of Medicine.

During her time at Marshall University she was awarded the West Virginia Women's Commission Award for Outstanding Achievement in Science, The Presidential Service Award of Marshall University and Alpha Omega Alpha - Medical Honorary Society - Faculty Membership Award. Dr. DeMesquita was instrumental in establishing the West Virginia chapter of the Association for Women in Science. She spent a sabbatical year as a visiting research scientist studying memory processes at the National Institutes of Health.

In 2002 Dr. DeMesquita became Chair of the Physiology Department at Ross University School of Medicine in Dominica, West Indies. In January 2004 Dr. DeMesquita joined the American University of the Caribbean (AUC) Medical School in Sint Maarten, West Indies as Professor of Neuroscience. In 2007 she became Chair of the Department of Neuroscience and Physiology at AUC. She is currently the course director of neuroscience and teaches extensively in the neuroscience course. She directs three full-time physiology faculty and numerous visiting physiologists and neuroscientists and clinicians. The medical physiology course is broken into two parts for a total of 132 contact hours and is taught three times a year. She is directly responsible for ensuring close to 1,200 US and Canadian medical students learn medical physiology and neuroscience each year. Over the years she has received four Faculty Appreciation

Awards from the AUC senior medical students. She is a member of the American Physiological Society, Society for Neuroscience and executive board of the Association of Chairs of Departments of Physiology.

She lives on her yacht, MV Mariah, in Saint Marten with her Jack Russell dog, Mr. Nibs, and enjoys the wonderful lifestyle unique to the Caribbean.



Michael Sturek, Ph.D.

Professor and Chair
Department of Cellular &
Integrative Physiology
Indiana University School of Medicine

Mike Sturek has been Chair of the Department of Cellular & Integrative Physiology at Indiana University School of Medicine since 2004, when he moved from the University of Missouri School of Medicine. Sturek is also Professor of Biomedical Engineering at Purdue University. He received his B.A. degree from Augustana College in exercise physiology and psychology where he also participated in football and earned Academic All-American honors. He received his M.S. degree from Purdue University in exercise physiology and then studied exercise physiology in the Ph.D. program at the University of Iowa before earning his Ph.D. degree in pharmacology. After his postdoctoral fellowship in membrane physiology at the University of Chicago Sturek was at the University of Missouri School of Medicine for 17 years, where he rose to Professor and Associate Director of Basic Research in the Center for Diabetes and Cardiovascular Health. Sturek is active in the APS on the Cardiovascular Section Steering Committee and was founding President of the Indiana Chapter of the APS. He is currently a member of the NIH Vascular Cell and Molecular Biology Study Section. Sturek's research encompasses experimental approaches at all levels – clinical, whole animal, organ, tissue, cell, and molecular. He primarily studies ion transport and calcium signaling adaptations in vascular cells after several *in vivo* manipulations, including dyslipidemia, metabolic syndrome (“pre-diabetes”), and diabetes. His emphasis is on the coronary vasculature and translational research using the pig as a model, especially the novel Ossabaw swine model of metabolic syndrome and type 2 diabetes. The model enables study of *in vivo* vascular imaging catheters, drug delivery devices, etc., in addition to the study of cellular and molecular mechanisms.



José Jalife, MD

Professor of Internal Medicine
and the Cyrus and Jane Farrehi
Professor of Cardiovascular
Research
Professor of Molecular &
Integrative Physiology
Director, Center for Arrhythmia
Research
University of Michigan

José Jalife completed his M.D. at the Universidad Nacional Autónoma de México in 1972. After clinical training in Spain, he moved to the United States to work as a postdoctoral fellow at the Upstate Medical Center in Syracuse, NY, and the Masonic Medical Research Laboratory in Utica, NY. He joined the Department of Pharmacology, Upstate Medical University, as a member of the faculty in 1980 and became its Chairman in 1988. In January of 2008, he was recruited by the University of Michigan to his present position as Professor of Internal Medicine and the Cyrus and Jane Farrehi Professor of Cardiovascular Research and Professor of Molecular & Integrative Physiology. Dr. Jalife enjoys an international reputation as a leader in the study of cardiac arrhythmias. His work has increased the understanding of the fundamental mechanisms of atrial fibrillation, ventricular tachycardia/fibrillation and sudden cardiac death. He has published more than 320 original papers and review articles, and has edited/authored fifteen books, including the internationally acclaimed Cardiac Electrophysiology: From Cell to Bedside, now in its sixth edition. Dr. Jalife has served the National Institutes of Health in many capacities, including past membership in Research Committee-A, the Cardiology Advisory Committee, the Cardiovascular Study Section, (CVA), and the ESTA Study Section of the National Heart Lung and Blood Institute. He has also been a member of multiple site visit committees and ad-hoc review committees of the NHLBI and the American Heart Association. In 2001 Dr. Jalife was awarded the Distinguished Scientist Award of the American College of Cardiology. Other accolades include the Distinguished Scientist Award of the Heart Rhythm Society, the Lucian Award for Research in Circulatory Diseases from McGill University, the President's Award for Research at SUNY Upstate Medical University, the Professor Pierre Rijlant Award from the Académie Royale de Médecine de Belgique in Brussels, Belgium, the State University of New York Chancellor's Award for Excellence in

Scholarship and Creative Activities and the Mirowski Award of Excellence in the field of Clinical Cardiology and Electrophysiology. Dr. Jalife is an honorary member of the Mexican National Academy of Medicine, Fellow of the American Heart Association, Fellow of the Heart Rhythm Society and member of the Association the American Association of Physicians; between 2010 and 2012 he served as President of the Cardiac Electrophysiology Society.



Muthu Periasamy, PhD

Professor and Chair
Department of Physiology and Cell Biology
The Ohio State University

Dr. Periasamy has been Professor and Chair of the Department of Physiology and Cell Biology at The Ohio State University in Columbus Ohio since 2001. He has been active in promoting fundamental research in Physiological sciences and lobbying for increased support for biomedical research. He is the current President of the Association of Chairs of the Departments of Physiology

(ACDP).

Dr. Periasamy is a native of India and always wanted to be a scientist. After finishing undergraduate studies in India he was sent to France for higher studies through a French-Indo scientific Exchange program (1975-1978). He chose to specialize in molecular Biology of mRNA synthesis. Upon completing his Ph.D. thesis at the University of Montpellier, France in 1979, he did postdoctoral research with the late Severo Ochoa (Nobel Laureate) and subsequently moved to Harvard Medical School (1980-1985) where he trained with Dr Bernardo Nadal Ginard specializing in molecular genetics of the heart, especially characterizing the genes encoding contractile machinery. He and his colleagues identified many muscle-specific genes and these pioneering studies led to the foundation of a whole new field, namely molecular cardiology. Dr. Periasamy served as faculty in the Department of Physiology and Biophysics at the University of Vermont (1986-1992) and collaborated extensively with the late Norman Alpert a noted cardiac Physiologist. Subsequently he served as Director of Molecular Cardiology at the University of Cincinnati (1992-2001).

Research in his laboratory has been focused on Ca^{2+} homeostasis in cardiac and skeletal muscle and its relevance to muscle physiology; his research recently highlighted that muscle is more than a contractile organ and Ca^{2+} cycling plays a critical role in Temperature Homeostasis and whole body metabolism. This ground breaking finding was recently published in Nature Medicine. 2012; 18(10):1575-9). His research has been continuously supported by NIH, ADA and AHA foundations. Dr. Periasamy is also a recipient of the AHA Established Investigator Award 1988-1993. Dr Periasamy is

a member of the Editorial Board of the Journal of Molecular Cardiology, American Journal of Physiology, Circulation research and the International Heart Journal. His other interests include astronomy, hiking in Vermont and writing.

ACDP Speaker Biosketches



Martin Frank, Ph.D.

Executive Director

The American Physiological Society

Martin Frank has been the Executive Director of the American Physiological Society, Bethesda, MD since 1985. In 2004, he helped found the Washington DC Principles Coalition for Free Access to Science, a Coalition that represents approximately 70 not-for-profit society and university press publishers.

Dr. Frank received his Ph.D. in Physiology and Biophysics from the University of Illinois, Urbana, in 1973 working under Dr. William W. Sleator. He served as a research associate in the Cellular Physiology Laboratory, Michigan Cancer Foundation, Detroit, and in the Department of Pharmacology and Toxicology, Michigan State University, East Lansing. In 1975, he joined the Department of Physiology, George Washington University School of Medicine, Washington, DC, as an assistant professor. From 1978-1985, he served as the Executive Secretary, Physiology Study Section, Division of Research Grants, National Institutes of Health, Bethesda, MD. From 1983-1985, he was a Member, Senior Executive Service Candidate Development Program, Department of Health and Human Services, Washington, D.C. As part of the program, he served as a policy analyst in the Office of the Assistant Secretary of Health, DHHS.

AGENDA
ACDP Business Meeting I

(General membership)

December 6, 2013

- I. Call to order**
- II. Approval of 2012 draft meeting minutes**
- III. Call for names for 2014 Guyton Award Lectureship**
Submit nominations to Chris Cheeseman (chris.cheeseman@hrs.ualberta.ca), Joe Metzger (metzgerj@umn.edu), or Nick Delamere (delamere@arizona.edu)
- IV. Call for names for 2014 Distinguished Service Awardee**
Submit nominations to Nick Delamere (delamere@arizona.edu)
- V. Call for nominations for officer positions (President, Secretary-Treasurer, Councillors)**
- VI. Treasurer's Report (DeMesquita)**
- VII. CFAS Update (Webb/Montrose)**
- VIII. 2013 David S. Bruce Awards for Excellence in Undergraduate Research – supported in part by ACDP**
- IX. New Business**

ACDP Business Meeting I Minutes

I. Call to Order

The Business Meeting was convened by President Marshall Montrose at 9:40 am on November 30, 2012.

II. Approval of 2011 Draft Meeting Minutes

The minutes from the 2011 Business Meetings were unanimously approved as submitted.

III. Call for names for 2013 Guyton Award Lectureship

Montrose reminded the membership that they have the opportunity to nominate people for the 2013 Guyton Award Lectureship. Nominations should be sent to the President-elect Muthu Periasamy (periasamy.1@osu.edu) or to the two Councilors who will be assisting in the selection process, Bishr Omary (mbishr@umich.edu) and Charles Wood (cwood@phys.med.ufl.edu).

IV. Call for names for 2013 Distinguished Service Awardee

Montrose also asked that members wanting to nominate someone for the 2013 Distinguished Service Award for 2013 should submit that name to President-elect Muthu Periasamy (periasamy.1@osu.edu), who will be making the selection.

V. Call for Nominations for Officer Positions

A call was made for nominations for President-elect, two open Councilor positions, and a Council of Faculty and Academic Societies (CFAS) representative. The membership was reminded that the nominees for President need to have previously served on Council as either Councilors or Secretary-Treasurer.

VI. CAS Updates

Navar reminded the group that he and Webb are the ACDP representatives to the Council of Academic Societies (CAS). CAS represents medical faculty to the AAMC, along with the Council of Deans and Council of Teaching Hospitals and Health Systems. Representatives not only act as a conduit from AAMC back to the societies but also can play a critical role in effecting policy. For example, CAS played a significant role in getting modifications made to the proposed USMLE changes to ensure that basic science departments were not adversely affected by them.

Navar announced that this year, after many years of consideration, a decision was made to transition CAS to the Council of Faculty and Academic Societies (CFAS). AAMC was concerned that the members of CAS might not be representing the faculty in as direct a way as initially envisioned. To ensure faculty has that direct representation, two faculty members from each of the 150 participating institution will be added to the two representatives of the 60-80 professional society members to constitute CFAS. One of the faculty should be a senior faculty member (professor, chair) and the second a newer faculty member within 10 years of appointment. There are still many details to be worked out before the change takes effect in July

2013, such as how the faculty members will be elected, how institutions will be assessed dues, and how the make-up of the Board will be changed.

Martin Frank, Executive Director of The American Physiological Society, outlined the concerns of APS to this change. Those include paying over \$10,000 in dues because of the number of APS members and having a much more diluted voice with the additional approximately 300 faculty representatives joining CFAS. APS has offered ideas to strengthen CAS as it exists now and have written a letter to AAMC with questions about the changes but have not received a reply. APS will continue to monitor developments and make a decision in 2013 whether to continue to participate in CFAS.

Navar pointed out that CFAS reps from ACDP act as a conduit for information from AAMC to the Society but also have the opportunity to help shape policy, as recently happened in the changes to the National Board exams.

He encouraged anyone interested in serving as CFAS representative to make it a several-year commitment so there would be the opportunity after a few years of visibility for that person to be elected to the CFAS Board. Representatives attend the spring meeting of CFAS and also the annual fall AAMC meeting, where CFAS plays a role in programming that meeting. He noted that it will be very important to have strong ties between ACDP and CFAS.

Montrose noted that ACDP dues are very reasonable because of the number of members. Joshua remarked that ACDP should wait and see how the new system works and whether the Society fits in that system and use it to our best advantage. The group agreed to continue to participate in CFAS.

VII. Financial Report

The financial report was presented by Secretary-Treasurer Susan DeMesquita. She distributed both a 2011 end-of-year financial statement and 2012 year-to-date report. She pointed out that the Society is in good financial shape. The past years when the meeting has been held at an all-inclusive resort, the meeting has made between \$1000 and \$2000. This is very good and helps keep the organization in good financial shape. She encouraged the group to continue to select all-inclusive properties to help keep meeting costs down. Membership dues are down slightly and will be targeted in 2013 to bring that number back up.

VIII. Support of APS Bruce Undergraduate Excellence Awards

Montrose suggested and ACDP Council endorsed the idea of providing support to the APS David S. Bruce Awards for Undergraduate Research, which are given out at the Experimental Biology meeting. The awards are \$500 each (\$100 for abstract awardees and \$400 for poster presentation awardees). Four awards are proposed for a total of \$2000 per year for 3 years, with a review of the support in 2 years. Frank pointed out that the total amount Bruce awardees receive is \$500, but \$100 of that is covered from another source. Therefore the \$2000 offered by ACDP could be spread over 5 award winners. A motion was unanimously approved to provide \$2000 support for the APS Bruce undergraduate awards per year for 3 years. Frank indicated that he will provide ACDP with a memorandum of agreement early in 2013. Reid asked that ACDP be notified of their awardees and be given copies of their abstracts each year.

IX. New ACDP logo

Montrose presented the group with possible new logos for ACDP. He pointed out the age of the logo and that other societies, such as APS, recently developed more contemporary looking logos. He distributed several new looks and ask the members to vote for one in each design group. The winners from each group will be voted on again at Saturday's Business Meeting to select the final logo.

The meeting was adjourned until the following day at 12:30 pm.

ACDP Business Meeting II Minutes

I. Call to re-convene

Montrose reconvened the business meeting at 12:57 pm on December 1, 2012.

II. Election of Officers

The slate of nominees for President-elect, Secretary-Treasurer, Councilors, and CAS Representative was announced and the membership voted by secret ballot. Michael Reid (University of Kentucky) was elected President-elect. Chris Cheeseman (University of Alberta) and Joseph Metzger (University of Minnesota) were elected Councilors with terms ending in 2015. Marshall Montrose elected to serve as CAS Representative.

III. New Logo

Montrose presented the three finalist logos and the members voted for their favorite. Suggestions included adding color to the final version, considering other fonts, and de-emphasizing the word "Departments." These suggestions will be taken back to the graphic artist for consideration before a final version is presented.

IV. 2013 ACDP Meeting

Muthu Periasamy, ACDP President-elect, announced that he was still researching where to hold the 2013 ACDP meeting. However, the dates will be December 5-8, 2013. He is looking at all-inclusive resorts that will allow meeting costs to remain low. He is considering sites at a Caribbean Island, Mexico, and Jamaica but requested other ideas for possible locations. As soon as a decision is made and the contract signed, members will be notified. He will be asking the Councilors for assistance in increasing the number of members attending.

Montrose asked for feedback on the new meeting format instituted this year where attendees have the afternoon off but return for sessions after dinner. Consensus from participants was very positive about the new format, other than possibly starting evening sessions at 6 instead of 7 pm.

Joshua suggested making the major emphasis of the 2013 meeting be outreach to undergraduate departments or programs. However, it was pointed out that the cost of travel to the meeting could be a major barrier for those people. That might require independent funding and workshops for them to make it feasible for them to attend.

Montrose noted that there are about 12 or so “Departments” of Physiology in undergraduate colleges. There was a discussion of the current efforts for the development of undergraduate physiology programs in the US. These courses are mostly run out of medical schools and are non-voting members at the Dean of Science-Chairs of Departments meetings.

It was suggested that ACDP consider having a presence at the APS Undergraduate Poster Session to recruit veterinary, osteopathic, and other similar departments for membership in ACDP.

V. Adjournment

The meeting was adjourned at 1:20 pm.

Respectfully submitted,

Susan DeMesquita
Secretary-Treasurer

Association of Chairs of Departments of Physiology **Arthur C. Guyton Distinguished Lectureship Award**

The Arthur C. Guyton Distinguished Lectureship Award was instituted in 2006 to recognize outstanding and cutting edge research in physiology or related areas. Awardees are invited to attend the ACDP fall meeting and present a seminar on their research.

Awardees are selected by the President in conjunction with members of Council based on membership recommendations. They receive travel, hotel, food, complimentary registration and an honorarium of \$1,000.

The Award was named for the late Arthur C. Guyton, University of Mississippi, a well-known researcher, educator, author, and long-time department chair. He was the only person to be awarded both the ACDP Outstanding Teaching Award and the ACDP Distinguished Service Award.

Awardees:

- 2013 José Jalife**
University of Michigan

- 2012 Irena Levitan**
University of Illinois at Chicago

- 2011 Paul Welling**
University of Maryland

- 2010 Ferid Murad**
University of Texas, Houston

- 2009 Helen Hobbs**
University of Texas Southwestern Medical Center

- 2008 Eric Olson**
University of Texas Southwestern Medical Center

- 2007 H. Lee Sweeney**
University of Pennsylvania

Association of Chairs of Departments of Physiology Distinguished Service Award

The ACDP Distinguished Service Award is presented annually to someone who has given long and illustrious service to ACDP, physiology as a discipline, and/or the field of science in general.

The awardee is selected by the President in consultation with ACDP Council. Awardees receive all-expenses paid trip to the annual ACDP meeting.

The award was formally known as the Outstanding Teaching Award but in 1978 its focus and name were expanded to the current Distinguished Service Award.

Awardees:

2013 Allen W. Cowley, Jr.
2012 Ernest M. Wright
2011 R. John Solaro
2010 John A. Williams
2009 Phyllis M. Wise
2008 Irving H. Zucker
2007 William H. Dantzler
2006 Antonio Scarpa
2005 No awardee - joint meeting with AAMC
2004 Daniel C. Tosteson
2003 L. Gabriel Navar
2002 Gabor Kaley
2001 Mordecai P. Blaustein
2000 Paul C. Johnson
1999 F. Norman Briggs
1998 Norman R. Alpert
1997 Carlton C. Hunt
1996 Arthur C. Guyton
1995 Aubrey E. Taylor
1994 Stanley G. Schultz
1993 Edward J. Masoro
1992 Gerhard H. Giebisch
1991 None
1990 John T. Shepherd
1989 Walter C. Randall
1988 William F. Ganong
1987 Howard E. Morgan
1986 Horace Davenport
1985 Clifford Barger

1984 Harry Patton
1983 Ernst Knobil
1982 Hermann Rahn
1981 Robert Berliner
1980 George Sayers
1979 Ewald Seikurt
1978 William F. Ganong

Outstanding Teaching Award

1977 C. Ladd Prosser
1976 Robert M. Berne
1975 Arthur C. Guyton
1974 Julius H. Comroe
1973 Maurice Visscher
1972 Robert Pitts

*Association of Chairs of Departments of Physiology
Revenue and Expenses and Changes in Net Assets
Year to Date as of September 30, 2013*

	2013 YTD			Totals at 9/30/12	Incr/(Decr)
	Annual Meeting	General	Totals at 9/30/13		
Revenue:					
Dues Income	\$ -	\$ 24,250	\$ 24,250	\$ 22,000	\$ 2,250
Interest Income	-	23	23	27	(4)
Total Revenue	-	24,273	24,273	22,027	2,246
Expenses:					
Professional Fees	-	25	25	-	25
Supplies	-	-	-	74	(74)
Telephone	-	315	315	280	35
Credit Card Processing Fees	-	547	547	238	309
Travel	-	1,990	1,990	3,874	(1,884)
Dues Expense - Associations	-	500	500	680	(180)
Awards	-	2,000	2,000	500	1,500
Total Expenses	-	5,377	5,377	5,646	(269)
Net Revenue/(Expenses)	-	18,896	18,896	16,381	2,515
Net Assets, Beginning of Year			59,273	51,179	8,094
Net Assets, End of Period			<u>\$ 78,169</u>	<u>\$ 67,560</u>	<u>\$ 10,609</u>

**The American Physiological Society
2013 David S. Bruce Outstanding
Undergraduate Abstract Awardees**

Name	Institution	Research Host
Armstrong, Tamara M.	Univ. of Arizona	Thomas L. Pannabecker, PhD, Univ. of Arizona Coll. Med.
Bomar, Jonathan D.	Michigan State Univ.	James J. Galligan, PhD, Michigan State Univ.
Brodsky, Timothy W.	Skidmore Coll.	Thomas H. Reynolds, PhD, Skidmore Coll.
Cao, Theresa	Tulane Univ.	Yumei Feng, MD, PhD, Tulane Univ.
Coleman, T. Taylor	Univ. of Mississippi	Michael J. Ryan, PhD, Univ. of Mississippi Medical Ctr.
Foster, William S.	Queen's Univ.	Michael E. Tschakovsky, PhD, Queen's Univ.
Francisco, Michael A.	Univ. of Oregon	Christopher T. Minson, PhD, Univ. of Oregon
Frye, Greg	Univ. of Florida	Leonardo F. Ferreira, PhD, Univ. of Florida
Galvin, Amy	Ursinus Coll.	Beth A. Bailey, PhD, Ursinus Coll.
Gillham, Haley E.	Univ. of Oregon	Jeffrey S. Gilbert, PhD, Univ. of Oregon
Khan, Zulqarnain	Univ. of Maryland, Baltimore Co.	Andrea L. Meredith, PhD, Univ. of Maryland Sch. Med.
Lang, Susan	Pennsylvania State Univ.	Sean D. Stocker, PhD, Pennsylvania State Univ.
Maher, Rebecca L.	Williams Coll.	Steven J. Swoap, PhD, Williams Coll.
Mikhailova, Alexandra	Univ. of California, Davis	Barbara A. Horwitz, PhD, Univ. of California, Davis
Morsing, Sofia K.H.	Karolinska Institutet	Jennifer S. Pollock, PhD, Georgia Regents Univ.
Nhan, Jenn	Univ. of Utah	J. David Symons, PhD, Univ. of Utah Sch. Med.
Nwadozi, Emmanuel	York Univ.	Tara L. Haas, PhD, York Univ.
Partap, Uttara	Williams Coll.	Steven J. Swoap, PhD, Williams Coll.
Sawicki, Carolyn P.	Western Univ.	J. Kevin Shoemaker, PhD, Univ. of Western Ontario, Fac. Hlth. Sci.
Schanzle, Jennifer C.	Univ. of Missouri-Columbia	Paul J. Fadel, PhD, Univ. of Missouri-Columbia
Schindler, Christine E.	Williams Coll.	Steven J. Swoap, PhD, Williams Coll.
Shah, Aman	Univ. of Kentucky	Esther E. Dupont-Versteegden, PhD, Univ. of Kentucky
Sims, Lorrie	Eastern Kentucky Univ.	Francisco H. Andrade, PhD, Univ. of Kentucky
Spearman, Daniel	Univ. of Florida	Donald C. Bolser, PhD, Univ. of Florida Coll. Vet. Med.
Torres, Rosa	Michigan State Univ.	Stephanie W. Watts, PhD, Michigan State Univ.
Wood, Kirsten A.	Loyola Univ. New Orleans	Lisa M. Harrison-Bernard, PhD, Louisiana State Univ. Hlth. Sci. Ctr

**The American Physiological Society
2013 David S. Bruce Excellence in
Undergraduate Research Awardees**

Name	Institution	Research Host
Bomar, Jonathan D.	Michigan State Univ.	James J. Galligan, PhD, Michigan State Univ.
Brodsky, Timothy W.	Skidmore Coll.	Thomas H. Reynolds, PhD, Skidmore Coll.
Foster, William S.	Queen's Univ.	Michael E. Tschakovsky, PhD, Queen's Univ.
Galvin, Amy	Ursinus Coll.	Beth A. Bailey, PhD, Ursinus Coll.
Gillham, Haley E.	Univ. of Oregon	Jeffrey S. Gilbert, PhD, Univ. of Oregon
Khan, Zulqarnain	Univ. of Maryland, Baltimore Co.	Andrea L. Meredith, PhD, Univ. of Maryland Sch. Med.
Lang, Susan	Pennsylvania State Univ.	Sean D. Stocker, PhD, Pennsylvania State Univ.
Maher, Rebecca L.	Williams Coll.	Steven J. Swoap, PhD, Williams Coll.
Nwadozi, Emmanuel	York Univ.	Tara L. Haas, PhD, York Univ.
Partap, Uttara	Williams Coll.	Steven J. Swoap, PhD, Williams Coll.
Schanzle, Jennifer C.*	Univ. of Missouri-Columbia	Paul J. Fadel, PhD, Univ. of Missouri-Columbia
Schindler, Christine E.	Williams Coll.	Steven J. Swoap, PhD, Williams Coll.
Shah, Aman	Univ. of Kentucky	Esther E. Dupont-Versteegden, PhD, Univ. of Kentucky

*Top awardee

AGENDA
ACDP Business Meeting II

(General membership)

December 7, 2013

- I. Call to re-convene**
- II. Election of Officers**
- III. 2014 ACDP Meeting (Delamere)**
- IV. Adjournment**

ACDP 2012-2013 Officers

President (Term ends 2013)

Muthu Periasamy, Ph.D.
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President-elect (Term ends 2013)

Nicholas A. Delamere, Ph.D.
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Fax: 520-626-2382
Email: delamere@arizona.edu

Past President (Term ends 2013)

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Secretary-Treasurer (Term ends 2013)

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Councilor (Term ends 2015)

Chris Cheeseman, Ph.D.
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Councilor (Term ends 2015)

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Councilor (Term ends 2014)

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ACDP Officers (Cont'd)

Councilor (Term ends 2013)

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Councilor (Term ends 2014)

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CAS Representative (Term ends 2014)

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CAS Representative (Term ends 2015)

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Executive Assistant

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Email: mloy@the-aps.org

Past Officers of ACDP

Presidents (3-yr term: President-elect, President, Past President)

2013-2014	Nicholas A. Delamere	University of Arizona
2013	Michael Reid	University of Kentucky
	(resigned as President-elect, took position as Dean)	
2012-13	Muthu Periasamy	Ohio State University
2011-12	Marshall (Chip) Montrose	University of Cincinnati
2010-11	Gary Sieck	Mayo Medical School
2009-10	R. Clinton Webb	Medical College of Georgia
2008-09	Meredith Bond	University of Maryland, Baltimore
2007-08	Nicola C. Partridge	UMDNJ-RW Johnson Medical School
2006-07	William S. Spielman	Michigan State University
2005-06	Richard N. Bergman	University of Southern California
2003-05	Peter M. Cala	University of California, Davis
2002-03	Irving H. Zucker	University of Nebraska
2001-02	Irving G. Joshua	University of Louisville
2001	Phyllis M. Wise	University of Kentucky
	(resigned as President-elect, took position as Dean)	
2000-01	Donald M. Bers	Loyola University
1999-2000	William H. Dantzler	University of Arizona
1998-99	R. John Solaro	University of Illinois at Chicago
1997-98	Mordecai P. Blaustein	University of Maryland
1996-97	Paul De Weer	University of Pennsylvania
1995-96	L. Gabriel Navar	Tulane University
1994-95	Robert D. Foreman	University of Oklahoma
1994-95	Antonio Scarpa	Case Western Reserve University
1993-94	Wayne E. Crill	University of Washington
1992-93	Harel Weinstein	Mount Sinai School of Medicine
1991-92	Donald J. Marsh	Brown University
1990-91	Allen W. Cowley, Jr.	Medical College of Wisconsin
1989-90	Robert B. Gunn	Emory University
1988-89	Donald T. Frazier	University of Kentucky
1987-88	M. Ian Phillips	University of Florida
1986-87	Stephen H. White	
1985-86	Stanley G. Schultz	
1984-85	George A. Hedge (replaced Stephen White who was unable to serve as President)	
1983-84	Edward J. Masoro	
1982-83	F. Norman Briggs	
1981-82	Franklyn G. Knox	
1980-81	Paul C. Johnson	
1979-80	Jack L. Kostyo	
1978-79	Leonard Share	
1977-78	Charles R. Park	
1976-77	W. F. Ganong	

1975-76	Howard E. Morgan
1974-75	Norman R. Alpert (replaced James O. Davis who resigned as President-elect)
1973-74	James B. Preston
1972-73	E. B. Brown, Jr.
1971-72	Ewald E. Selkurt
1970-71	Robert M. Berne
1969-70	Ernst Knobil

Councillors (6 Councillors total – 3-yr term; 2 rotate off each year)

Chris Cheeseman	(2012-15)	
Joseph Metzger	(2012-15)	
Charles Wood	(2011-14)	
Michael Sturek	(2010-13)	
Bishr Omary	(2010-14)	finishing Chip Montrose’s term; re-elected to full term
Patricia E. Molina	(2009-12)	
Michael B. Reid	(2009-12)	
Nicholas A. Delamere	(2008-11)	
Marshall H. Montrose	(2008-10)	elected President-elect
T. Richard Nichols	(2008-13)	finishing Gary Sieck’s term; re-elected to full term
Steven R. Houser	(2007-10)	
Gary Sieck	(2007-09)	elected President-elect
Raymond A. Frizzell	(2006-09)	
Muthu Periasamy	(2006-09)	
Susan L. Hamilton	(2005-08)	
R. Clinton Webb	(2005-08)	
Kenneth D. Philipson	(2004-07)	
Michael L. Jennings	(2004-07)	
Meredith Bond	(2004-05)	new Councillor position
William S. Spielman	(2003-06)	
Joseph C. Dunbar	(2003-06)	
D. Neil Granger	(2002-05)	
Nicola C. Partridge	(2002-03)	finishing Peter Cala’s term
David C. Dawson	(2002-04)	
Peter M. Cala	(2001-02)	elected President-elect
Michael Jennings	(2001-03)	new Councillor position
Nicola Partridge	(2001-03)	finishing Irving Zucker’s term
Richard Bergman	(2001-02)	finishing Irving Joshua’s term
Irving Zucker	(2000-03)	elected President-elect
Irving G. Joshua	(1999-2002)	elected President in place of Phyllis Wise
Robert E. Fellows	(1999-2001)	finishing Donald Bers’ term
Donald Bers	(1998-99)	elected President-elect
Irving G. Joshua	(1998-99)	finishing William Dantzler’s term
Phyllis M. Wise	(1997-2000)	elected President-elect
Donald Bers	(1997-98)	finishing Aubrey Taylor’s term
William H. Dantzler	(1996-98)	elected President-elect

Aubrey E. Taylor	(1995-97)	elected Secretary-Treasurer
Kent Sanders	(1994-97)	
Sandra Sabatini	(1994-95)	finishing Gabby Navar's term
James G. Townsel	(1993-96)	
Paul De Weer	(1993-94)	finishing Antonio Scarpa's term
L. Gabriel Navar	(1992-94)	elected President-elect
Antonio Scarpa	(1991-93)	elected President-elect
James G. Townsel	(1992-93)	finishing Robert Foreman/Wayne E. Crill's term
Wayne E. Crill	(1991-92)	finishing Robert Foreman's term; elected President-elect
Robert D. Foreman	(1990-91)	elected Secretary-Treasurer
Harel Weinstein	(1989-91)	elected President-elect
Robert Thurber	(1988-91)	
Benjamin Kaminer	(1988-89)	finishing Robert Gunn's term
Donald J. Marsh	(1987-90)	
Robert B. Gunn	(1986-88)	elected President-elect
John J. Spitzer	(1985-88)	
Allen W. Cowley, Jr.	(1985-87)	finishing Donald Frazier's term
Donald T. Frazier	(1984-85)	elected Secretary-Treasurer
M. Ian Phillips	(1983-86)	
Allen W. Cowley, Jr.	(1984-85)	finishing Stanley Schultz's term
Stanley G. Schultz	(1982-84)	elected President-elect
Jimmy Neill	(1981-84)	
Stephen White	(1982-83)	finishing Edward Masoro's term
Edward J. Masoro	(1980-82)	elected President-elect
Joseph P. Gilmore	(1979-82)	
Paul Horowicz	(1978-81)	
William Van der Kloot	(1977-80)	
Paul C. Johnson	(1976-79)	
Jack L. Kostyo	(1975-78)	
Francis Ganong	(1974-75)	finishing Harry Patton's term
Harold Hempling	(1974-77)	
Charles R. Park	(1973-76)	elected President-elect
Harry D. Patton	(1972-74)	
Norman R. Alpert	(1973-74)	finishing James Davis' term
James Davis	(1971-73)	elected President-elect
Gerhard Giebisch	(1970-73)	
James B. Preston	(1969-72)	
Howard Morgan	(1968-71)	

Secretary-Treasurers (3-year term; renewable)

Susan DeMesquita	(2010-13)
Chris Cheeseman	(2007-10)
Richard L. Moss	(2004-07)

Philip M. Best	(2002-04)	
Aubrey E. Taylor	(1997-2001)	
R. John Solaro	(1994-97)	elected President-elect
Robert D. Foreman	(1991-94)	
Douglas G. Stuart	(1989-91)	
Allen W. Cowley, Jr.	(1988-89)	elected President-elect
Donald T. Frazier	(1985-87)	replacing Lowell Stone who was deceased
H. Lowell Stone	(1984)	
George A. Hedge	(1981-84)	
F. Norman Briggs	(1980-81)	
Franklyn G. Knox	(1976-80)	
Leonard Share	(1974-76)	
Howard E. Morgan	(1971-74)	elected President-elect
E. B. Brown, Jr.	(1970-71)	

CAS (2 reps; 3-yr terms, renewable)

Marshall Montrose	(2012-15)	
R. Clinton Webb	(2011-14)	
Meredith Bond	(2010-11)	became Dean
William S. Spielman	(2007-10)	stepped down as a chair
Meredith Bond	(2006-07)	elected President-elect
L. Gabriel Navar	(1997-2012)	
Antonio Scarpa	(1995-2005)	finishing Allen Cowley's term
M. Ian Phillips	(1991-97)	
Allen W. Cowley, Jr.	(1992-95)	finishing Donald Frazier's term plus additional term
Donald Frazier	(1989-92)	
Stanley G. Schultz	(1988-89)	finishing Leonard Share's term
Mordecai P. Blaustein	(1987-91)	
Leonard Share	(1985-87)	
Howard Morgan	(1982-85)	
William F. Ganong	(1980-87)	
Stephen H. White	(1980-82)	
H. Maurice Goodman	(1980-81)	
Daniel Tosteson	(1970-71)	

Public Affairs

Mordecai P. Blaustein	(1994-96)
Leonard S. Jefferson	(1993-94)
Charles D. Barnes	(1989-93)
Norman R. Alpert	(1981-89)

Association of Chairmen of Departments of Physiology

Revised 11/9/88



**ASSOCIATION OF CHAIRMEN OF DEPARTMENTS OF
PHYSIOLOGY**

CONSTITUTION
(As amended April 15, 1968)

ARTICLE I

- Section 1. The name of this organization shall be the Association of Chairmen of Departments of Physiology

ARTICLE II

PURPOSES AND OBJECTIVES

- Section 1. The purpose and objective of this Association shall be to promote discussion of problems of interest and concern to chairmen of departments of physiology.

ARTICLE III

MEMBERSHIP

- Section 1. The membership of the Association shall include the chairmen of departments of physiology in accredited schools of medicine in the United States, Puerto Rico, Canada, and Mexico.
- Section 2. Upon approval by the Council, membership will also be open to individuals in other types of institutions who have similar responsibilities.
- Section 3. Upon approval of the Council, in colleges of medicine lacking a Department of Physiology, the administrative officer of an academic unit responsible for the discipline of physiology can be admitted to membership.

ARTICLE IV

OFFICERS AND COUNCIL

- Section 1. The officers of the Association shall consist of a President, a President-Elect and a Secretary-Treasurer. The President and President-Elect shall serve for terms of one year. The Secretary-Treasurer shall serve for three years.
- Section 2. The council shall consist of Officers, three Councilors and the past President. Each Councilor shall ordinarily serve a term of three years. One new Councilor shall be elected each year.

ARTICLE V

MEETINGS

- Section 1. The time and place of the annual meeting and all called meetings shall be determined by the Council.
- Section 2. Notice of time and place of all meetings shall be mailed to all members at least thirty days prior to such meeting.

ARTICLE VI

QUORUM

- Section 1. A quorum for any regular or called meeting shall consist of 20% of the members.

ARTICLE VII

CHARTER MEMBERS

- Section 1. All of those present at the first meeting, August 25, 1967, or who qualify under Article III, Section 1 are automatically charter members, unless they decline.

ARTICLE VIII

AMENDMENTS

- Section 1. Amendments to this Constitution may be effected by two-thirds of the voting members at a regular or called meeting provided that such an amendment has been submitted in writing to all members at least thirty days prior to such meeting.

ASSOCIATION OF CHAIRS OF DEPARTMENTS OF PHYSIOLOGY, INC.

BY-LAWS

ARTICLE I

Office

SECTION 1. Principal Office. The principal office of the Corporation shall be at the American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814.

SECTION 2. Other Offices. The Corporation may also have an office or offices in such other places as the business of the Corporation may require and the Board of Directors may from time to time appoint.

ARTICLE II

Members

SECTION 1. Applications for Membership. Membership shall include the chairs of Departments of Physiology in accredited schools of medicine in the United States, Puerto Rico, Canada and Mexico. Upon approval of the Board of Directors, membership will also be open to

- a. individuals in other types of institutions who have similar responsibilities, and
- b. the administrative officer of an academic unit responsible for the discipline of physiology in colleges of medicine lacking a department of physiology.

Emeritus Membership status is granted to former chairs that have held membership in ACDP for a total of 5 or more years. Emeritus members are invited to attend the annual meeting. Emeritus members can neither vote on Association business nor hold office.

SECTION 2. Procedure. Membership eligibility shall be automatic upon appointment to a chair of a Department of Physiology, notification of the Secretary/Treasurer by the new member and payment of dues by the member.

SECTION 3. Dues. The Board of Directors shall determine the annual dues for the members.

SECTION 4. Attendance. Attendance at meeting shall be limited to members or guests invited with the approval of the Board of Directors.

SECTION 5. Annual Meeting. The annual meeting of the members of the Corporation shall be held on a day duly designated by the Board of Directors either within or without the United States if not a legal holiday, and if a legal holiday then the next succeeding day not a legal holiday, for the transaction of such corporate business as may come before the meeting.

SECTION 6. Special Meetings. Special meetings of the members may be called at any time for any purpose or purposes by the Chair of the Board, by the President, by the President-elect, or by a majority of the Board of Directors, and shall be called forthwith by the Chair of the Board, the President, the President-elect, the Secretary-Treasurer or any director of the Corporation upon the request in writing of a majority of all the members entitled to vote on the business to be transacted at such meeting. Such request shall state the purpose or purposes of the meeting. Business transacted at all special meetings of members shall be confined to the purpose or purposes stated in the notice of the meeting.

SECTION 7. Place of Holding Meetings. All meetings of members shall be held within or without the United States at a place designated by the Board of Directors.

SECTION 8. Notice of Meetings. Written notice of each meeting of the members shall be mailed, postage prepaid by the Secretary/Treasurer, or sent by e-mail over the Internet or similar electronic communications equipment by the Secretary/Treasurer, to each member of record entitled to vote thereat at his/her post office address or e-mail address, as it appears upon the books of the Corporation, at least thirty (30) days before the meeting. Each such notice shall state the place, day, and hour at which the meeting is to be held and, in the case of any special meeting, shall state briefly the purpose or purposes thereof.

SECTION 9. Quorum. The presence in person or by proxy of twenty percent (20%) of the members of the Corporation shall constitute a quorum at all meetings of the members except as otherwise provided by law, by the Articles of Incorporation or by these By-Laws. If less than a quorum shall be in attendance at the time for which the meeting shall have been called, the meeting may be adjourned from time to time by a majority vote of the members present or represented, without any notice other than by announcement at the meeting, until a quorum shall attend. At any adjourned meeting at which a quorum shall attend, any business may be transacted which might have been transacted if the meeting had been held as originally called.

SECTION 10. Conduct of Meetings. Meetings of members shall be presided over by the President or the Corporation or, if the President is not present, by the President-elect, or, if none of said officers is present, by a chair to be elected at the meeting. The Secretary/Treasurer of the Corporation shall act as secretary of such meetings, in the absence of the Secretary-Treasurer the presiding officer may appoint a person to act as Secretary of the meeting.

SECTION 11. Voting. At all meetings of members, every member entitled to vote thereat shall have one (1) vote. Such vote may be either in person or by proxy appointed by an instrument in writing subscribed by such member or the member's duly authorized attorney, bearing a date not more than three (3) months prior to said meeting, unless said instrument provides for a longer period. Such proxy shall be dated, but need not be sealed, witnessed or acknowledged. All elections shall be held and all questions shall be decided by a majority of the votes cast at a duly constituted meeting, except as otherwise provided by law, in the Certificate of Incorporation or by these By-Laws. If the chair of the meeting shall so determine, a vote by ballot may be taken upon any election or matter, and the vote shall be so taken upon the request of ten percent (10%) or more of all the members entitled to vote on such election or matter. In either of such events, the proxies and ballots shall be received and be taken in charge and all questions touching the

qualification of voters and the validity of proxies and the acceptance or rejection of votes, shall be decided by members appointed by the chair of the said meeting.

ARTICLE III

Board of Directors

SECTION 1. General Powers. The property and business of the Corporation shall be managed under the direction of the Board of Directors of the Corporation. The Board shall be the policy making and administrative body of the corporation during the interval between the regular annual meetings and shall be empowered to enter into contracts and to authorize such expenditures as may be necessary to carry on the affairs of the Corporation.

SECTION 2. Number and Term of Office. The number of Directors shall be either (8) or such other number, but not less than three (3) nor more than nine (9), as may be designated from time to time by resolution of a majority of the entire board of Directors. Directors shall be members of the Corporation.

SECTION 3. Filling of Vacancies. In the case of any vacancy in the Board of Directors through death, resignation, disqualification, removal, or other cause, the office shall be left vacant unless filled by a vote of the members at a special meeting.

SECTION 4. Place of Meeting. The Board of Directors may hold their meetings and have one or more offices, and keep the books of the Corporation, either within or outside the State of Maryland, at such place or places as they may from time to time determine by resolution or by, written consent of all the directors. The Board of Directors may hold their meetings by conference telephone, e-mail over the Internet or other similar electronic communications equipment if everyone can hear everyone else in accordance with the provisions of the General Corporation Law of the State of Maryland.

SECTION 5. Regular Meetings. Regular meetings of the Board of Directors may be held without notice at such time and place as shall from time to time be determined by resolution of the Board, provided that written notice of each meeting of the Board of Directors shall be mailed, postage prepaid by the Secretary or sent by e-mail over the Internet or similar electronic communications equipment by the Secretary, to each member of record entitled to vote thereat at his/her post office address or e-mail address, as it appears upon the books of the Corporation, at least ten (10) days before the meeting. The annual meeting of the Board of Directors shall be held immediately following the annual meeting of members. Any business may be transacted at any regular meeting of the Board.

SECTION 6. Special Meetings. Special meetings of the Board of Directors shall be held whenever called by any member of the Board of Directors. The Secretary shall give notice of each special meeting of the Board of Directors, by mailing the same at least three (3) days prior to the meeting or by e-mailing over the Internet the same at least two (2) days before the meeting, to each Director, but such notice may be waived by any Director. Unless otherwise

indicated in the notice thereof, any and all business may be transacted at any special meetings. At any meeting at which every Director shall be present, even though without notice, any business may be transacted and any Director may in writing waive notice of the time, place and objectives of any special meeting.

SECTION 7. Quorum. A majority of the whole number of Directors shall constitute a quorum for the transaction of business at all meetings of the Board of Directors, but, if at any meeting less than a quorum shall be present, a majority of those present may adjourn the meeting from time to time, and the act of a majority of the Directors present at any meeting at which there is a quorum shall be the act of the Board of Directors, except as may be specifically provided, by law, or by the Articles of Incorporation or by these By-Laws.

SECTION 8. Required Vote. An affirmative vote of a majority of those present shall be necessary for the passage of any resolution. All proceedings at the meeting of the Board of Directors or of any committee appointed by the Board shall be governed by Roberts Rules of Order, Revised, except where otherwise provided in these By-Laws.

SECTION 9. Compensation of Directors. Directors shall not receive any stated salary for their services as such, but each director shall be entitled to receive from the Corporation reimbursement of the expenses incurred by the Director attending any regular or special meeting of the Board, and, by resolution of the Board of Directors a fixed sum may also be allowed for attendance at each regular or special meeting of the Board and such reimbursement and compensation shall be payable whether or not a meeting is adjourned because of the absence of a quorum. Nothing herein contained shall be construed to preclude any Director from serving the Corporation in any other capacity, and receiving compensation there for.

SECTION 10. Standing Committees. The Board of Directors shall:

- a. Elect two members of the Corporation to represent the corporation at the Council of Academic Societies ("CAS") of the Association of American Medical colleges ("AAMC"). The CAS representatives shall attend Board meetings and make periodic reports to the Board and to the members of the Corporation. The term of appointment shall be for four (4) years, renewable once.
- b. Elect a member of the Board to serve a three year term as Director of Public Affairs.

SECTION 11. Other Committees. The Board of Directors may, by resolution passed by a majority of the whole Board, designate one or more other committees, each committee to consist of two or more of the directors of the Corporation, which, to the extent provided in the resolution, shall have and may exercise the powers of the Board of Directors, and may authorize the seal of the Corporation to be affixed to all papers which may require it. Such committee or committees shall have such names as may be determined from time to time by resolution adopted by the Board of Directors.

SECTION 12. The Board of Directors shall allow Chairs in good standing to designate a member of the faculty of his or her Department to attend annual meetings in their absence as a

non-voting representative of the Department. Non-voting representatives shall not count toward the number of members needed to constitute a quorum.

ARTICLE IV

Officers

SECTION 1. Election, Tenure and Compensation. The officers of the Corporation shall be a President, a President-elect, and a Secretary/Treasurer, and also such other officers including a Chair of the Board as the Board of Directors from time to time may consider necessary for the proper conduct of the business of the Corporation. The President and President-elect shall be elected annually by the members at the annual meeting of the members. The Secretary/Treasurer shall be elected every three years by the members at the annual meeting of members. All officers of the Corporation shall be directors. The Secretary and Treasurer offices may be held by the same person, but no officer shall execute, acknowledge or verify any instrument in more than one capacity if such instrument is required by law or by these By-Laws to be executed, acknowledged or verified by any two or more officers.

The procedures for nominating and balloting will be determined at the time of the meeting of members. A majority of the members voting at a duly authorized meeting shall be necessary to elect the nominees.

In the event that any office other than an office required by law, shall not be filled by the members, or, once filled, subsequently becomes vacant, then such office and all references thereto in these By-Laws shall be deemed inoperative unless and until such office is filled in accordance with the provisions of these By-Laws.

All officers and agents of the Corporation shall be subject to removal at any time by the affirmative vote of a majority of the members voting at a duly authorized meeting of members, and any officers, agents, and employees, shall hold office at the discretion of the members.

SECTION 2. Powers and Duties of the Chair of the Board. The Chair of the Board shall preside at all meetings of the Board of Directors unless the Board of Directors shall by a majority vote of a quorum thereof elect a chair other than the Chair of the Board to preside at meetings of the Board of Directors. The Chair of the Board may sign and execute all authorized bonds, contracts, or other obligations in the name of the Corporation, and he/she shall be ex-officio a member of all standing committees.

SECTION 3. Powers and Duties of the President. The President shall be the chief executive officer of the Corporation and shall have general charge and control of all its business affairs and properties. The President shall preside at all meetings of the members.

The President may sign and execute all authorized bonds, contracts or other obligations in the name of the Corporation. The President shall have signature power to sign checks under his/her signature in amounts below \$1,000. The President shall have the general powers and

duties of supervision and management usually vested in the office of president of a corporation. The President shall be ex-officio a member of all the standing committees. The President shall do and perform such other duties as may, from time to time, be assigned to him/her by the Board of Directors.

In the event that the Board of Directors does not take affirmative action to fill the office of Chair of the Board, the President shall assume and perform all powers and duties given to the Chair of the Board by these By-Laws.

SECTION 4. Powers and Duties of the President-elect. The Board of Directors shall appoint a President-elect and the Board of Directors may appoint a Vice President. The President-elect (unless otherwise provided by resolution of the Board of Directors) may sign and execute all authorized bonds, contracts, or other obligations in the name of the Corporation. The President-elect shall have such other powers and shall perform such other duties as may be assigned to him/her by the Board of Directors or by the President. In case of the absence or disability of the President, the duties of that office shall be performed by the President-elect, and the taking of any action by the President-elect in place of the President shall be conclusive evidence of the absence or disability of the President.

SECTION 5. Secretary/Treasurer.

- a. The Secretary shall handle all voting matters, whether at actual meetings, telephonic meetings or meetings held on the Internet or other electronic media; he/she shall give, or cause to be given, notice of all meetings of members and directors and all other notices required by law or by these By-Laws, and in case of his/her absence or refusal or neglect to do so, any such notice may be given by any person thereunto directed by the President, or by the directors or members upon whose written request the meeting is called as provided in these By-Laws. The Secretary shall record all proceedings of the meetings of the members and of the directors in books provided for that purpose, and shall perform such other duties as may be assigned to him/her by the directors or the President. The Secretary shall have custody of the seal of the Corporation and shall affix the same to all instruments requiring it, when authorized by the Board of Directors or the President, and attest the same. In general, the Secretary shall perform all the duties generally incident to the office of Secretary, subject to the control of the Board of Directors and the President.
- b. Treasurer. The Treasurer shall have custody of all the funds and securities of the Corporation, and he/she shall keep full and accurate account of receipts and disbursements in books belonging to the Corporation. The Treasurer shall deposit all moneys and other valuables in the name and to the credit of the Corporation in such depository or depositories as may be designated by the Board of Directors. The Treasurer shall have the power to sign checks under his/her signature in amounts up to \$1,000. All checks for amounts over \$1,000 shall require the signatures of two officers.

The Treasurer shall disburse the funds of the Corporation as may be ordered by the Board of Directors, taking proper vouchers for such disbursements. He/she shall render to the President and the Board of Directors, whenever either of them so requests, an account of all his/her transactions as Treasurer and of the financial condition of the Corporation.

The Treasurer shall give the Corporation a bond, if required by the Board of Directors, in a sum, and with one or more sureties, satisfactory to the Board of Directors, for the faithful performance of the duties of his/her office and for the restoration to the Corporation in case of his/her death, resignation, retirement, or removal from office of all books, papers, vouchers, moneys, and other properties of whatever kind in his possession or under his control belonging to the Corporation.

The Treasurer shall perform all the duties generally incident to the office of the Treasurer, subject to the control of the Board of Directors and the President.

SECTION 6. Assistant Secretary. The Board of Directors may appoint an Assistant Secretary or more than one Assistant Secretary. Each Assistant Secretary shall (except as otherwise provided by resolution of the Board of Directors) have power to perform all duties of the Secretary in the absence or disability of the Secretary and shall have such other powers and shall perform such other duties as may be assigned to him/her by the Board of Directors or the President. In case of the absence or disability of the Secretary, the duties of the office shall be performed by any such Assistant Secretary, and the taking of any action by any such Assistant Secretary in place of the Secretary shall be conclusive evidence of the absence or disability of the Secretary.

SECTION 7. Assistant Treasurer. The Board of Directors may appoint an Assistant Treasurer or more than one Assistant Treasurer. Each Assistant Treasurer shall (except as otherwise provided by resolution of the Board of Directors) have power to perform all duties of the Treasurer in the absence or disability of the Treasurer and shall have such other powers and shall perform such other duties as may be assigned to him/her by the Board of Directors or the President. In case of the absence or disability of the Treasurer, the duties of the office shall be performed by any Assistant Treasurer, and the taking of any action by any such Assistant Treasurer in place of the Treasurer shall be conclusive evidence of the absence or disability of the Treasurer.

ARTICLE V

Corporate Seal

SECTION 1. Seal. In the event that the President shall direct the Secretary to obtain a corporate seal, the corporate seal shall be circular in form and shall have inscribed thereon the name of the Corporation, the year of its organization and the word "Maryland". Duplicate copies of the corporate seal may be provided for use in the different offices of the Corporation but each copy thereof shall be in the custody of the Secretary of the Corporation or of an Assistant Secretary of the Corporation nominated by the Secretary.

ARTICLE VI

Bank Accounts and Loans

SECTION 1. Bank Accounts. Such officers or agents of the Corporation as from time to time shall be designated by the Board of Directors shall have authority to deposit any funds of the Corporation in such banks or trust companies as shall from time to time be designated by the Board of Directors, and such officers or agents as from time to time shall be authorized by the Board of Directors may withdraw any or all of the funds of the Corporation so deposited in any such bank or trust company, upon checks, drafts, or other instruments or orders for the payment of money, drawn against the account or in the name or behalf of this Corporation, and made or signed by such officers or agents; and each bank or trust company with which funds of the Corporation are so deposited is authorized to accept, honor, cash and pay, without limit as to amount, all checks, drafts or other instruments or orders for the payment of money, when drawn, made or signed by officers or agents so designated by the Board of Directors until written notice of the revocation of the authority of such officers or agents by the Board of Directors shall have been received by such bank or trust company. There shall from time to time be certified to the banks or trust companies in which funds of the Corporation are deposited, the signature of the officers or agents of the Corporation so authorized to draw against the same. In the event that the Board of Directors shall fail to designate the persons by whom checks, drafts and other instruments or orders for the payment of money shall be signed, as hereinabove provided in this Section, all of such checks, drafts and other instruments or orders for the payment of money shall be signed by the President or President-elect and countersigned by the Secretary/Treasurer or an Assistant Secretary or an Assistant Treasurer of the Corporation.

SECTION 2. Loans. Such officers or agents of this Corporation as from time to time shall be designated by the Board of Directors shall have authority to effect loans, advances or other forms of credit at any time or times for the Corporation from such banks, trust companies, institutions, corporations, firms or persons as the Board of Directors, shall from time to time designate, and as security for the repayment of such loans, advances, or other forms of credit to assign, transfer, endorse and deliver, either originally or in addition or substitution, any or all stocks, bonds, rights and interests of any kind in or to stocks or bonds, certificates of such rights or interests, deposits, accounts, documents covering merchandise, deposits and accounts receivable and other commercial paper and evidences of debt at any time held by the Corporation, and for such loans, advances or other forms of credit to make, execute and deliver one or more notes, acceptances or written obligations of the Corporation on such terms, and with such provisions as to the security or sale or disposition thereof as such officers or agents shall deem proper; and also to sell to, or discount or rediscount with, such banks, trust companies, institutions, corporations, firms or persons any and all commercial paper, bills receivable, acceptances and other instruments and evidences of debt at any time held by the Corporation, and to that end to endorse, transfer and deliver the same. There shall from time to time be certified to each bank, trust company, institution, corporation, firm or person so designated the signatures of the officers or agents so authorized; and each such bank, trust company, institution, corporation, firm or person is authorized to reply upon such certification until written notice of the revocation by the Board of Directors of the authority of such officers or agents shall be delivered to such bank, trust company, institution, corporation, firm or person.

ARTICLE VII

Reimbursements

SECTION 1. Reimbursements. Any payments made to an officer or other employee of the Corporation, such as salary, commission, interest or rent, or entertainment expense incurred by him/her, which shall be disallowed in whole or in part as a deductible expense by the Internal Revenue Service, shall be reimbursed by such officer or other employee of the Corporation to the full extent of such disallowance. It shall be the duty of the Directors, as a Board, to enforce payment of each such amount disallowed. In lieu of payment by the officer or other employee, subject to the determination of the Board of Directors, proportionate amounts may be withheld from his/her future compensation payments until the amount owed to the Corporation has been recovered.

ARTICLE VIII

Miscellaneous Provisions

SECTION 1. Fiscal Year. The fiscal year of the Corporation shall end on the last day of December.

SECTION 2. Notices. Whenever, under the provisions of these By-Laws, notice is required to be given to any Director, officer or member it shall not be construed to mean personal notice, but such notice shall be given in writing, by email over the Internet, by mail, by depositing the same in a post office or letter box, in a postpaid sealed wrapper, addressed to each member officer or director at such address as appears on the books of the Corporation, or in default of any other address, to such director, officer or member at the general post office in the City of Rockville, Maryland, and such notice shall be deemed to be given at the time the same shall be thus mailed. Any member, Director or officer may waive any notice required to be given under these By-Laws.

SECTION 3. Waiver, Consent. Any notice required to be given under these By-Laws or otherwise may be waived by the Director, officer or member to whom such notice is required to be given and the presence of any person at a meeting shall constitute waiver of notice thereof as to such person. Any action which may be taken at a meeting of the Directors, officers or members may be taken without a meeting if a consent in writing, setting forth the action so taken, shall be signed by all of the Directors, officers or members entitled to vote with respect to the subject matter thereof. Such consent shall have the same force and effect as an unanimous vote of the Directors, officers or members, as the case may be.

ARTICLE IX

Amendments

SECTION 1. Amendment of By-Laws. Any member can propose an amendment of the By-Laws by submitting the change to the President. If a majority of the Members adopt the amendment it shall be adopted provided that such amendment has been submitted in writing to all Members by mail at least thirty days prior to such meeting. Without prior notification, amendment of the By-Laws may be accomplished by the unanimous consent of the members voting at an annual or special meeting of the members.

ARTICLE X

Indemnification

SECTION 1. Definitions. As used in this Article X, any word or words that are defined in Section 2-418 of the Corporations and Associations Article of the Annotated Code of Maryland, as amended from time to time, (the "Indemnification Section") shall have the same meaning as provided in the Indemnification Section.

SECTION 2. Indemnification of Directors and Officers. The Corporation shall indemnify and advance expenses to a Director or officer of the Corporation in connection with a proceeding to the fullest extent permitted by and in accordance with the Indemnification Section.

SECTION 3. Indemnification of Employees and Agents. With respect to an employee or agent, other than a Director or officer, of the Corporation, the Corporation may, as determined by the Board of Directors of the Corporation, indemnify and advance expenses to such employee or agent in connection with a proceeding to the extent permitted by and in accordance with the Indemnification Section.

Amended 12/2006



ACDP Attendee List (As of 11/25/13)

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