

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

2018 Leadership Retreat

November 29 - December 2, 2018



***Fiesta Americana,
Coral Beach
Cancun, Mexico***



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Greetings and welcome to Cancún for the 2018 annual ACDP retreat! I hope you enjoy your stay at the Grand Fiesta Americana Coral Beach with the view of the Caribbean Sea and flavors of the Yucatán. Additionally, be sure to take advantage of opportunities to visit Mayan ruins, snorkel in the clear waters of North Beach or take a golf cart tour of Isla Mujeres or explore a nearby golf course.

Of course we are here for the meeting which is designed to maximize interactions among the chairs and our invited guests. This year the ACDP Distinguished Service Award is presented to Celia D. Sladek who had an eminent career as a neuroendocrine physiologist and was mentor to many. She will share her involvement with APS and how these experiences integrate into many aspects of her life. Frank Booth will receive the Guyton Award and present his innovative work on motivation, exercise and better health and quality of life. Each year we welcome new chairs to our group and Jim Herman will be this year's new chair speaker and will talk about his work on stress-related neural circuitry and resilience.

The theme of stress and well-being also carries through presentations by Aviad (Adi) Haramati who will discuss the role of physiology in defining resilience in the individual and curriculum. This will be followed by an afternoon interactive session on mind-body medicine for those interested. Furthermore we are also fortunate to have LouAnn Woodward, MD who will address the group regarding her experiences as dean of a medical school and work on the LCME. We will also have a discussion on undergraduate education led by Jeff Osborn. Finally, but not least, we will hear from the new APS director, Scott Steen, and his future visions for the APS.

Once again welcome and I hope you enjoy the sessions and practice the stress relief and well-being that come with camaraderie and the pleasant surroundings.

Best regards,

Janice H. Urban, PhD
President

2017-2018

Janice H. Urban, President
Patricia E. Molina, President-elect
Charles E. Wood, Past-President
Elsa I. Mangiarua, Secretary/Treasurer

V. Gustavo Blanco, Councilor (2019)
Walter F. Boron, Councilor (2020)
Gaylen L. Edwards, Councilor (2020)
Christopher Hardin, Councilor (2019)

Edward E. Morrison, Councilor (2018)
Marlene A. Wilson, Councilor (2018)
Nicholas A. Delamere, CFAS Rep. (2018)
R. Clinton Webb, CFAS Rep. (2020)



ACDP Leadership Retreat
 November 29-December 2, 2018
 Program Book

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Association of Chairs of Departments of Physiology
Physiology Programs Leadership Retreat Agenda
Grand Fiesta Americana Coral Beach
Cancun, Mexico
November 29-December 2, 2018

Thursday, November 29	
Before 5:00 pm	Arrivals, tours, leisure on your own
1:00 – 3:30 pm	Registration (<i>outside Coral Island Room</i>)
3:30 – 5:00 pm	ACDP Council Meeting (NOTE: for ACDP officers only) (<i>Coral Island Room</i>)
5:00 – 6:00 pm	New Chairs Orientation with ACDP Council (<i>Coral Island Room</i>)
6:00 – 6:30 pm	Welcome and Introductions (<i>Coral Island Room</i>)
6:30 – 7:30 pm	“Physiology: A Career of Lifetime Learning” Distinguished Service Award Lecture Celia D. Sladek, Ph.D. University of Colorado School of Medicine
7:30 – 8:30 pm	Reception* (<i>Sunrise Terrace</i>)
8:30 – 10:00 pm	Dinner on your own
Friday, November 30	
7:00 – 8:30 am	Breakfast
8:30 – 9:30 am	“Managing Stress, Building Resilience in the Curriculum and in the Culture: The Unique Opportunity for Physiologists” Aviad Haramati, Ph.D. Georgetown University
9:30 – 10:00 am	Business meeting I Financial report, CFAS report, nominations of officers
10:00 – 10:15 am	Coffee Break
10:15 – 11:15 am	“Medical School Accreditation: One Dean’s Perspective” LouAnn Woodward, M.D. Former Chair, Liaison Committee on Medical Education (LCME) Vice Chancellor for Health Affairs and Dean of the School of Medicine University of Mississippi Medical Center
11:15 am – noon	Chair’s Discussion Corner
Noon – 12:15 pm	ACDP Council Meeting (NOTE: for ACDP officers only)
12:15 – 1:30 pm	Lunch
1:30 – 3:00 pm (Optional)	Workshop: “An Experiential Introduction to Mind-Body Medicine” Aviad Haramati, Ph.D. Georgetown University
1:30 – 8:00 pm	Afternoon and dinner on your own

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

Friday, November 30 (Cont'd)

8:00 – 9:00 pm	<p><i>“Maximal Aerobic Training: An Ultimate Integration of Genes and Systems While Maintaining Homeostatic Harmony”</i> <i>Guyton Award Lecture</i> <i>Frank W. Booth, Ph.D.</i> <i>University of Missouri</i></p>
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Saturday, December 1

7:00 – 8:30 am	Breakfast
8:30 – 9:30 am	<p><i>New Chair’s Talk: “On Becoming ‘Furniture’: Lessons in Stress Adaptation and Resilience”</i> <i>James Herman, Ph.D.</i> <i>University of Cincinnati</i></p>
9:30 – 10:30 am	<i>Educational Missions: Undergraduate Physiology</i>
10:30 – 10:45 am	Coffee Break
10:45 – 11:45 am	<p><i>The Path Forward: A New Vision for the Future of APS</i> <i>Scott Steen, CAE, FASAE</i> <i>Executive Director, American Physiological Society</i></p>
11:45 am-12:30 pm	<i>Chair’s Discussion Corner II</i>
12:30 – 1:00 pm	<p><i>Business Meeting II</i> Election of officers, 2018 meeting information</p>
1:00 – 6:00 pm	Lunch and afternoon on your own
5:30 – 6:00 pm	Cocktails* (<i>Sunrise Terrace</i>)
6:00 – 8:00 pm	Meeting Banquet* (<i>Sunrise Terrace</i>)

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

Sunday, December 2

All Day	Tours, leisure, and departures on your own
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**Association of Chairs of Departments of Physiology
Physiology Programs Leadership Retreat Agenda
Grand Fiesta Americana Coral Beach
Cancun, Mexico
November 29-December 2, 2018**



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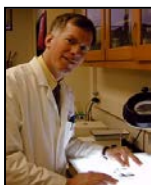
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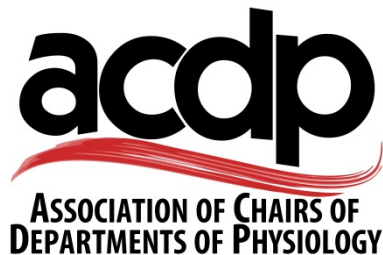
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ACDP 2018 Annual Leadership Retreat
Speakers

Physiology: A Career of Lifetime Learning

Distinguished Service Award Lecture

Celia D. Sladek, Ph.D.

Emerita Professor of Physiology
University of Colorado School of Medicine

***Maximal Aerobic Training: An Ultimate Integration of Genes and Systems While
Maintaining Homeostatic Harmony***

Arthur C. Guyton Distinguished Lectureship Award Lecture

Frank W. Booth, Ph.D.

Professor of Biomedical Sciences, College of Veterinary Medicine
Professor of Physiology & Pharmacology, School of Medicine
Professor of Nutrition & Exercise Physiology
Research Investigator, Dalton Cardiovascular Research Center
University of Missouri

***Managing Stress, Building Resilience in the Curriculum
and in the Culture: The Unique Opportunity for Physiologists
and***

Workshop: "An Experiential Introduction to Mind-Body Medicine"

Aviad Haramati, Ph.D.

Professor of Integrative Physiology
Departments of Biochemistry, Molecular & Cellular Biology and Medicine (Nephrology)
Co-director, CAM Graduate Program
Georgetown University Medical Center

Medical School Accreditation: One Dean's Perspective

LouAnn Woodward, M.D.

Former Chair, Liaison Committee on Medical Education (LCME)
Vice Chancellor for Health Affairs
Dean of the School of Medicine
University of Mississippi Medical Center

On Becoming 'Furniture': Lessons in Stress Adaptation and Resilience

New Chair Lecture

James Herman, Ph.D.

Flor van Maanen Professor
Chair of Pharmacology & Systems Physiology
Director, Univ. Cincinnati Neurobiology Research Center
Director, Stress Neurobiology Laboratory
University of Cincinnati

The Path Forward: A New Vision for the Future of APS

Scott Steen, CAE, FASAE

Executive Director
American Physiological Society

2018 Distinguished Service Awardee



Celia D. Sladek, Ph.D.

Emerita Professor of Physiology
University of Colorado School of Medicine

Celia D. Sladek, Ph.D. is currently Emerita Professor of Physiology at University of Colorado School of Medicine. She began her career in the Physiology Department at the Northwestern University Medical School. After completing M.S. and Ph.D. degrees, she went directly into an Asst. Prof. position in the Physiology Department at the University of Illinois, College of Medicine in Chicago. She moved to western NY in 1973 as Asst. Prof. in Biological Sciences at SUNY Brockport for one year, teaching physiology to undergraduate students. Then, due to her love of research, she accepted a Research Associate position in Neurology, and Neurobiology and Anatomy at the University of Rochester School of Medicine. In collaboration with Robert Joynt, M.D., Ph.D., her research began to focus on the neurohypophyseal hormones, vasopressin and oxytocin. Upon obtaining her first NIH grant and a Research Career Development Award, she was promoted to Asst. Prof. in Neurology, and rose through the ranks to full Professor. Celia was the first tenured Ph.D. in a clinical department at Rochester. During their time in western NY, Celia and husband John were blessed with 3 children, Jonathan, Stefan, and Jessica. Jonathan was born in the week between the two site visits that resulted in Celia's first NIH funding!

In 1991, Celia and John returned to Chicago with tenured professorships at the Chicago Medical School. There, Physiology Chair Richard Hawkins, Ph.D., had been involved in developing the APS sections and chaired the CNS section. Although Celia was already a member of APS, Dr. Hawkins was instrumental in getting her involved in APS. She joined the CNS section serving on the Steering Committee, as Secretary-Treasurer, and Chair. This led her to chairing the Section Advisory Committee and serving on the APS Nominating and Women's Committees, which she eventually chaired, and the FASEB Excellence in Science Committee. In 1996, she was elected to the APS Council and chaired the Committee on Committees. She organized an APS Conference on, *Neurohypophyseal Hormones: From Genomics and Physiology to Disease*, in Steamboat Springs, CO, in 2005. She served on the Editorial board and as an Assoc. Editor of *AJP:Regulatory and Integrative Physiology*. Recently, she obtained an APS International Opportunity Award to support attendance of student and junior researchers at the *World Congress on Neurohypophyseal Homones* in Rio de Janeiro. Celia served as Chair of Physiology at the Chicago Medical School from 2000-2002, was a member of the first class of APS Fellows in 2015 and has received many other

honors and awards including the Erlanger Distinguished Lectureship and the James O. Davis Distinguished Lectureship and is a member of Alpha Omega Alpha. She and John moved to the University of Colorado School of Medicine in 2002, in part so she could return to her home town of Denver and her beloved Rocky Mountains.

Her research program primarily focused on the regulation and actions of vasopressin and oxytocin. She was continually funded by NIH from 1976-2013, published 125 peer reviewed journal articles and 35 reviews or book chapters, presented over 110 invited lectures, and mentored 17 Ph.D. students and postdoctoral or clinical fellows. She served on research review committees for NIH (NINDS, NIMH, NHLB, NIA, and NIAMD), NSF, and AHA, and as an editor for *Brain Research Bulletin*, *Experimental Neurology*, and *Journal of Neuroendocrinology*.

During her career, she had the pleasure of watching our appreciation of the roles of vasopressin and oxytocin expand from important hormones regulating renal, cardiovascular, uterine, and mammary function to neuropeptides influencing maternal/paternal behavior, memory, emotion, appetite, etc.!! She enjoys skiing, hiking, cycling, playing her cello and being a Nanny for her grandkids.

2018 Arthur C. Guyton Distinguished Lecturer



Frank W. Booth, Ph.D.

Professor of Biomedical Sciences,
College of Veterinary Medicine
Professor of Physiology & Pharmacology,
School of Medicine
Professor of Nutrition & Exercise Physiology
Research Investigator,
Dalton Cardiovascular Research Center
University of Missouri

Frank W. Booth performs basic science research aimed to persuade better understanding of ways to improve quality of life. His goal is to provide molecular evidence to convince policy makers that a lack of daily exercise contributes to at least 40 chronic conditions/diseases, already documented epidemiologically. His hope is to better understand potential methods to increase the health span for all people. He has a broad background in health research and many accomplishments and expertise.

As a faculty member at the University of Texas Medical School at Houston, he was the first in 1984 to publish molecular biology in exercise. He showed skeletal α -actin mRNA decreased with limb immobilization. In 1996, he was the first to identify a regulatory gene promoter site in an exercise model. He found that serum response element 1 (SRE1) is necessary and sufficient to increase SRE1 activity within the skeletal α -actin promoter during stretch-overload hypertrophy of skeletal muscle. To increase his collaboration with exercise scientists, Dr. Booth moved to the University of Missouri in 2000. In 2017, he found that loss of Cdk5 function in rat nucleus accumbens decreased voluntary running in rats. Honors from his research colleagues further support that he is uniquely qualified in this field.. Dr. Booth has published over 220 publications.

He also has numerous national and international honor awards from exercise biology organizations.

The next step in his career can be compared to Lewis and Clarks' journey from Missouri to the Pacific Ocean. They did not follow-up their ground-breaking pathway with building of motorized highways. Likewise, he prefers to lay the groundwork to open new molecular pathways to provide valuable information that will move the field forward. The current work is focused on a novel gene target (cAMP-Dependent Protein Kinase Inhibitor Alpha, or Pkia). Localized overexpression of Pkia in the nucleus accumbens rescued ~1/3 of voluntary running lost in rats that he selectively bred to have low motivation for voluntary running. The value of 1/3 rescue by a single gene is remarkable when compared to the highest percentage for a single gene causing human type 2 diabetes gene is only 2%.



Aviad Haramati, Ph.D.

Professor of Integrative Physiology
Departments of Biochemistry, Molecular &
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Co-director, CAM Graduate Program
Georgetown University Medical Center

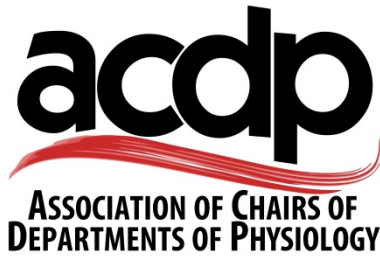
Aviad “Adi” Haramati, PhD, is Professor of Integrative Physiology in the Departments of Biochemistry, Molecular & Cellular Biology and Medicine (Nephrology), and co-director of the CAM Graduate Program at Georgetown University Medical Center. He received a PhD in Physiology from the University of Cincinnati and came to Georgetown after 5 years at Mayo Clinic. His research interests addressed renal and electrolyte homeostasis, but now he focuses on medical education and rethinking how health professionals are trained. In April 2013, he was named the inaugural director of the Center for Innovation and Leadership in Education (CENTILE) at Georgetown University Medical Center (GUMC).

Dr. Haramati has taught physiology for almost 40 years and has been recognized with awards at Mayo Clinic and at Georgetown University, where he has received 10 Golden Apple awards from medical and graduate students. In addition, he was awarded the Kaiser-Permanente Excellence in Teaching of the Basic Sciences, the Arthur C. Guyton Teacher of the Year award by the American Physiological Society, the Alpha Omega Alpha Robert J. Glaser Distinguished Teaching Award from the Association of American Medical Colleges, the Master Scholar Award from the International Association of Medical Science Educators (IAMSE), and in 2016 was named one of first two Distinguished Educators by the GUMC Teaching Academy for Health Sciences.

Dr. Haramati chaired the Faculty Senate at GUMC (2001-2005) and chaired the institution’s strategic planning committees. He taught at the Harvard-Macy Course for Leaders in Medical Education (2001-2006) and served on the Physiology Test Development Committee (USMLE Step1) for the National Board of Medical Examiners. He also served as past-president of IAMSE, past Vice-Chair of the Academic Consortium for Integrative Medicine and Health (ACIMH), past

member of the Board of the Council of Faculty & Academic Societies (AAMC), and chaired the organizing committees for 8 international conferences on education and on integrative medicine. He also hosted a number of international conferences including the 2017 CENTILE Conference on Strategies to Promote Resilience, Empathy and Well-being in the Health Professions: An Interprofessional Forum, held in Washington, DC, October 22-25, 2017.

Dr. Haramati seeks to improve medical education across the globe, especially with regard to the intersection of science, mind-body medicine and professionalism. Over the past 15 years he has advocated that mindful practices, together with group sessions, be integrated into the curriculum for training health professionals in an effort to improve and learning and work environment at academic health centers. Dr. Haramati has been a visiting professor at over 100 medical schools worldwide.



ACDP Speaker Biosketches



LouAnn Woodward, M.D.

Former Chair, Liaison Committee on Medical Education (LCME)

Vice Chancellor for Health Affairs

Dean of the School of Medicine

University of Mississippi Medical Center

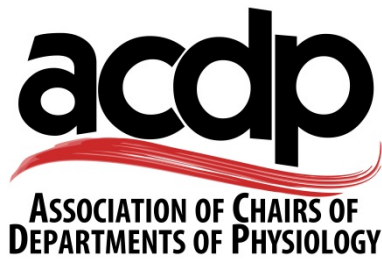
LouAnn Woodward, a Mississippi native, earned her bachelor degree in microbiology from Mississippi State University and doctor of medicine degree from the University of Mississippi School of Medicine. She completed her residency and board certification in emergency medicine at the University of Mississippi Medical Center and has served on the faculty since 1995. She currently serves as a tenured Professor of Emergency Medicine as well as Vice Chancellor for Health Affairs, and Dean of the School of Medicine.

As Dean for the School of Medicine, she has responsibility and oversight for all aspects of the day to day operations of the School of Medicine. In the last ten years, enrollment has increased, student performance measures have met or exceeded national means, and a new education building opened in August of 2017. Under her leadership in 2012, the School of Medicine received full accreditation with no areas of noncompliance with the accreditation standards, a first in the school's history.

As Vice Chancellor, Dr. Woodward has broad responsibilities for all three missions of the medical center serving in the number one position to the system, which has enjoyed growth and success in the last ten years. Dr. Woodward is a member of the Association of American Medical Colleges Council of Deans Administrative Board, the Liaison Committee on Medical Education (the accrediting body for medical education programs in the United States and Canada), and American's Essential Hospitals board of directors.

Dr. Woodward's experience as a professor, a physician, and a seasoned administrator combined with her professional commitment to the medical center and deep understanding of health care

in Mississippi have helped to keep the medical center at the forefront of health care, education, and research both in our state and nationwide.



ACDP Speaker Biosketches



James Herman, Ph.D.

Flor van Maanen Professor

Chair of Pharmacology & Systems
Physiology

Director, Univ. Cincinnati Neurobiology
Research Center

Director, Stress Neurobiology Laboratory
University of Cincinnati

James Herman earned his B.S. in Chemistry/Psychology at Hobart College and his Ph.D. from the University of Rochester in 1987, from the Department of Neurobiology and Anatomy. Dr. Herman was a Postdoctoral Fellow at the Mental Health Research Institute at the University of Michigan. He began his career in the Department of Anatomy and Neurobiology at the University of Kentucky, where he was an Associate Professor and the James and Barbara Holsinger Chair of Anatomy and Neurobiology. Dr. Herman joined the University of Cincinnati faculty in 2000 and is currently the Director of the Laboratory of Stress Neurobiology, Professor of Psychiatry and Behavioral Neuroscience, and Director of the Center for Basic Neuroscience Research. Dr. Herman's major research interests include structural, functional and molecular biological principles underlying brain stress integration and pathology.

The brain is at the center of a complex physiological process orchestrating secretion of stress hormones. Integration of the stress response occurs by way of a defined array of central stress-integrative neurons, which initiate a neuroendocrine cascade resulting in steroid secretion by the adrenal glands. Dr. Herman's laboratory is geared toward examining the relationship between the physiological actions of central nervous system stress circuits and their place in the central nervous system. Present studies focus on: 1) limbic system regulation of the stress response and, consequently, on the generation of stress-related disorders, ranging from major depressive illness to Post-Traumatic Stress Disorder to essential hypertension to neurodegeneration and aging, and 2) defining the role of central adrenocorticosteroid receptors in transducing stress-related signals

in normal physiology, aging and disease states. Experimental approaches include genomic methods to discovery of novel genes and microRNAs involved in stress integration; use of gene knockdown and gain-of-function methods (conditional knockout/transgenic mice and viral vectors) to assess the role of specific molecular species in stress regulation and pathology; and combinations of in situ hybridization, immunohistochemistry and tract-tracing for establishing the biochemical signatures of defined circuits within the brain-stress axis.



Scott Steen, CAE, FASAE

Executive Director

The American Physiological Society

Scott Steen, CAE, FASAE, was appointed as the executive director of the American Physiological Society in July of 2018. A global multidisciplinary community of scientists solving the major problems affecting life and health, APS was the first biomedical sciences society in the U.S.

Previously, Steen served as the President & CEO of American Forests, the nation's oldest conservation organization. During his tenure, membership tripled, the organization launched several new, high profile initiatives, and operating revenue nearly doubled. The organization also received recognition in such outlets as The New York Times, USA Today, The Washington Post, NatGeo Weekend, and NPR, and was named one of the best run nonprofits in the country by Outside Magazine.

Prior to joining American Forests, Steen was executive director of the American Ceramic Society (ACerS), a technical society whose members work at the frontiers of materials science in environmental technologies, alternative energy, space exploration, and biomaterials. Under his leadership, the Society created new peer-reviewed journals, significantly expanded its meetings program, introduced several new member benefits, and grew membership and revenue.

Before that, Steen was chief knowledge and strategy officer at the American Society of Association Executives (ASAE), and chief operating officer of the Center for Association Leadership. He is a Certified Association Executive (CAE) and a fellow of ASAE, an honor granted to fewer than one percent of its members.



AGENDA
ACDP Business Meeting I

(General membership)

November 30, 2018

- I. Call to order**
- II. Approval of 2017 draft meeting minutes**
- III. Call for names for 2019 Guyton Award Lectureship**
Submit nominations to Walter Boron, Gaylen Edwards or Patricia Molina
- IV. Call for names for 2019 Distinguished Service Awardee**
Submit nominations to Patricia Molina
- V. Call for nominations for officer positions (President, Councilors, CFAS Representatives)**
- VI. Treasurer's Report (Mangiarua)**
- VII. Revised ACDP Constitution**
- VIII. CFAS Update (Delamere)**
- IX. 2018 Barbara A. Horwitz and John M. Horowitz Excellence in Undergraduate Research Awards (formerly David S. Bruce Awards for Excellence in Undergraduate Research) – supported in part by ACDP (3-year agreement for 2016-2018)**
- X. New Business**
 - A. Continued support for Barbara A. Horwitz and John M. Horowitz Excellence in Undergraduate Research**
 - B. Request for support of P-MIG meeting**



**Association of Chairs of Departments of Physiology
Leadership Retreat
Montego Bay, Jamaica
November 30-December 3, 2017**

**ACDP Business Meeting I
Minutes**

I. Call to Order

The Business Meeting was convened by President Charles E. Wood at 9:02 am on December 1, 2017.

II. Approval of 2016 Draft Meeting Minutes

The minutes from the 2016 Business Meetings were unanimously approved as submitted.

III. Call for names for 2018 Guyton Award Lectureship

Wood requested nominations from the membership for the 2018 Arthur C. Guyton, Jr. Distinguished Award Lectureship. Any nominations should be sent to President-elect Janice Urban or second-year Councilors V. Gustavo Blanco and Chris Hardin for consideration.

IV. Call for names for 2018 Distinguished Service Awardee

Wood also requested that any nominations for the 2018 ACDP Distinguished Service Award be submitted to Urban for her consideration.

V. Call for Nominations for Officer Positions

A call was made for nominations for President-elect, and two open Councilor positions. The membership was informed that R. Clinton Webb agreed to another term as CFAS Representative. The membership was reminded that the nominees for President need to have previously served on Council as either Councilors or Secretary-Treasurer. The deadline for nominations is Saturday by 10:00 am.

VI. Financial Report

The financial report was presented by Secretary-Treasurer Elsa Mangiarua, which compared the 2017 year-to-date budget numbers (as of 9/30/17) compared with 2016

at the same point in time. Mangiarua noted that ACDP remains in good shape financially. At this point in the year, the budget is showing a gain of \$2,200. Meeting costs again are not included yet because the travel agency was used. Membership dues are up by \$750; several additional payments have come in since the report so that number will be higher. This year ACDP Connect was used only to send out the first notice. Direct email was used for the remainders of the notices, which resulted in a higher dues payment rate. That will continue to be done for future years. Travel expenses were almost double because both the President and President-elect conducted site visits for their meetings this year instead of one per year. The Awards budget also almost doubled this year because of a donation to support the new undergraduate meeting held at Michigan State University. Therefore, the budget shows a slight increase in funds.

VII. CFAS Update

R. Clinton Webb and Nick Delamere are the current ACDP representatives to the Council of Faculty and Academic Societies (CFAS) of the AAMC. Gary Sieck (Mayo Clinic) is one of the two APS representatives, along with Mike Levitzky (Louisiana State Univ. Hlth. Sci. Ctr.), who serves on the Administrative Board. CFAS was created in July 2013 and was formerly known as the Council of Academic Societies until it was opened to include two representatives from each of the 150 medical schools as appointed by the Deans. This was to ensure that faculty would be represented directly as initially envisioned. One of the faculty representatives is supposed to be a senior faculty member (professor, chair) and the second a newer faculty member within 10 years of appointment. However, it appears as though most Deans continue to appoint clinical people to the faculty slots. While teaching faculty is well represented still, basic science faculty are not. Membership was encouraged to see if their institution has representatives and if not, consider volunteering themselves or someone from their department to ensure basic science representation. Most societies, ACDP included, remain concerned about the dilution of the societies' voices. The other two Councils are the Councils of Deans and of Administrators.

Another concern voiced was that of AAMC possibly conducting a corporate realignment of medical schools because of a perceived decrease in value of basic science and research within the medical school. A position paper on the topic was mentioned and a link to that paper will be distributed to the membership.

Information on this year's spring meeting was distributed in the Leadership Retreat program. Both Delamere and Webb attended that meeting as it's a smaller meeting with less of a clinical focus. Generally none attend the large general fall meeting. Delamere reported that the meeting included sessions on various topics, some of which are relevant and interesting. Two of interest this year were on the role of PhDs in medical centers and career paths for PhDs. Delamere offered to submit a proposal for a session

of interest to basic scientists. He asked anyone with ideas for a session to contact him as they are due soon for the 2018 spring meeting.

The next CFAS meeting is scheduled for spring 2018. Information on that meeting will be reported to the ACDP membership via email and at the ACDP meeting scheduled for Experimental Biology.

VIII. David S. Bruce Awards for Excellence in Undergraduate Research

Lowy reminded the members that in 2016 ACDP approved providing support for the APS Undergraduate Awards at a sum of \$2,000 for another 3 years (2016-2018). This support began in 2012. Because of that support, additional awards were again given in 2017. A total of 30 Barbara A. Horwitz and John M. Horowitz Outstanding Undergraduate Abstract Awards were given and from those, 14 David S. Bruce Excellence in Undergraduate Research Awards were awarded based on poster presentations at EB. The Undergraduate Poster session then featured those awardees and about 100 other undergraduates presenting their research. ACDP members were urged to remind any faculty attending EB to attend that session and support the undergraduates. This year's awardees and host researchers are listed in the meeting program book.

IX. New Business

The APS Strategic Plan and possible outcomes from the external company's review of APS programs/initiatives and Council-appointed task forces were discussed. Membership especially raised concern over the proposed plan to drop some undergraduate programs or severely limit APS's involvement in undergraduate education. Walter Boron (Case Western Reserve Univ.) made the motion to inform APS Council of ACDP's strong objection to any decrease in undergraduate programs or initiatives, because of the group's strong belief that undergraduate students represent the future of physiology and that they must be encouraged to become interested in physiology as a career. The motion was passed unanimously.

The meeting was adjourned until the following day at 9:48 am.

ACDP Business Meeting II Minutes

I. Call to reconvene

Wood reconvened the business meeting at 11:25 am on December 2, 2017.

II. Election of Officers

The slate of nominees for President-elect, CFAS Representative, and Councilors was announced and the membership voted by secret ballot. Patricia Molina (Dept. of Physiology, Louisiana State Univ. Hlth. Sci. Ctr., New Orleans) was elected President-elect. R. Clinton Webb (Dept. of Physiology, Augusta Univ.) will continue as CFAS Representative for another 3-year term. Walter Boron (Dept. of Physiology & Biophysics, Case Western Reserve Univ. Sch. of Med.) and Gaylen Edwards (Dept. of Physiology & Pharmacology, Univ. of Georgia Coll. of Vet. Med.) were elected Councilors with terms ending in 2020.

III. 2017 ACDP Meeting

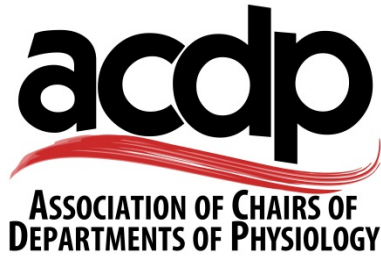
Janice Urban, ACDP President-elect, announced that the 2018 ACDP meeting will be held November 29-December 2, 2018 at Grand Fiesta Americana Coral Beach, Cancun, Mexico. She gave a slide presentation about the meeting site. She plans to conduct a site visit.

IV. Adjournment

The meeting was adjourned at 11:40 am.

Respectfully submitted,

Elsa Mangiarua
Secretary-Treasurer



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.

Distinguished Service Awardees:

- 2018 Celia D. Sladek, Ph.D.**
University of Colorado School of Medicine
- 2017 Hershel Raff, Ph.D.**
Medical College of Wisconsin/Aurora St. Luke's Medical Center
- 2016 Susan Barman, Ph.D.**
Michigan State University
- 2015 John E. Hall, Ph.D.**
University of Mississippi Medical Center
- 2014 Michael J. Joyner, M.D.**
Mayo Clinic
- 2013 Allen W. Cowley, Jr., Ph.D.**
Medical College of Wisconsin
- 2012 Ernest M. Wright, Ph.D., D.Sc.**
University of California, Los Angeles
- 2011 R. John Solaro, Ph.D.**
University of Illinois, Chicago
- 2010 John A. Williams, M.D., Ph.D.**
University of Michigan
- 2009 Phyllis M. Wise, Ph.D.**
University of Washington
- 2008 Irving H. Zucker, Ph.D.**
University of Nebraska Medical Center

- 2007 William H. Dantzler, M.D., Ph.D.**
University of Arizona
- 2006 Antonio Scarpa, M.D., Ph.D.**
National Institutes of Health
- 2005 No awardee** – joint meeting with AAMC
- 2004 Daniel C. Tosteson, M.D.**
Harvard Medical School
- 2003 L. Gabriel Navar, Ph.D.**
Tulane University
- 2002 Gabor Kaley, Ph.D.**
New York Medical College
- 2001 Mordecai P. Blaustein, M.D.**
University of Maryland School of Medicine
- 2000 Paul C. Johnson, Ph.D.**
University of Arizona School of Medicine
- 1999 F. Norman Briggs, Ph.D.**
Medical College of Virginia
- 1998 Norman R. Alpert, Ph.D.**
University of Vermont College of Medicine
- 1997 Carlton C. Hunt, M.D.**
Washington University School of Medicine
- 1996 Arthur C. Guyton, M.D.**
University of Mississippi Medical Center
- 1995 Aubrey E. Taylor, Ph.D.**
University of South Alabama College of Medicine
- 1994 Stanley G. Schultz, M.D.**
University of Texas, Houston Medical School
- 1993 Edward J. Masoro, Ph.D.**
University of Texas Health Science Center at San Antonio
- 1992 Gerhard H. Giebisch, M.D.**
Yale University
- 1991 None**
- 1990 John T. Shepherd, M.D.**
Mayo Clinic & Foundation

- 1989 Walter C. Randall, Ph.D.**
Loyola University Stritch School of Medicine
- 1988 William F. Ganong, M.D.**
University of California, San Francisco
- 1987 Howard E. Morgan, M.D.**
Pennsylvania State University Milton S. Hershey Medical Center
- 1986 Horace Davenport, Ph.D., Sc.D.**
University of Michigan Medical School
- 1985 A. Clifford Barger, M.D.**
Harvard University Medical School
- 1984 Harry D. Patton, M.D., Ph.D.**
University of Washington School of Medicine
- 1983 Ernst Knobil, Ph.D.**
University of Texas Medical School
- 1982 Hermann Rahn, Ph.D.**
University of Buffalo
- 1981 Robert Berliner, M.D.**
Yale University School of Medicine
- 1980 George Sayers, Ph.D.**
Case Western Reserve University
- 1979 Ewald E. Seikurt, Ph.D.**
Indiana University School of Medicine
- 1978 William F. Ganong, M.D.**
University of California, San Francisco

Outstanding Teaching Awardees

- 1977 C. Ladd Prosser, Ph.D.**
University of Illinois, Urbana
- 1976 Robert M. Berne, M.D.**
Western Reserve University
- 1975 Arthur C. Guyton, M.D.**
University of Mississippi Medical Center
- 1974 Julius H. Comroe, M.D.**
University of California, San Francisco
- 1973 Maurice Visscher, M.D., Ph.D.**
University of Minnesota

1972 Robert F. Pitts, M.D., Ph.D.
Cornell University



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:

- 2018 Frank W. Booth, Ph.D.**
University of Missouri
- 2017 R. John Solaro, Ph.D.**
University of Illinois at Chicago
- 2016 Monika R. Fleshner, Ph.D.**
University of Colorado at Boulder
- 2015 Leslie Leinwand, Ph.D.**
University of Colorado at Boulder
- 2014 Gordon S. Mitchell, Ph.D.**
University of Florida (formerly University of Wisconsin, Madison)
- 2013 José Jalife, M.D.**
University of Michigan
- 2012 Irena Levitan, Ph.D.**
University of Illinois at Chicago
- 2011 Paul A. Welling, M.D.**
University of Maryland
- 2010 Ferid Murad, M.D., Ph.D.**
University of Texas, Houston

- 2009 Helen H. Hobbs, M.D.**
University of Texas Southwestern Medical Center
- 2008 Eric Olson, Ph.D.**
University of Texas Southwestern Medical Center
- 2007 H. Lee Sweeney, Ph.D.**
University of Pennsylvania

*Association of Chairs of Departments of Physiology
Revenue and Expenses and Changes in Net Assets
Year to Date as of September 30, 2018*

	2018 YTD			Totals at 9/30/17	Incr/(Decr)
	Annual Meeting	General	Totals at 9/30/18		
Revenue:					
Dues Income	\$ -	\$ 17,500	\$ 17,500	\$ 21,250	\$ (3,750)
Contributions	-	-	-	1,000	(1,000)
Interest Income	-	1	1	20	(19)
Total Revenue	-	17,501	17,501	22,270	(4,769)
Expenses:					
Professional Fees	-	2,540	2,540	2,917	(377)
Supplies	-	-	-	40	(40)
Telephone	-	-	-	140	(140)
Credit Card Processing Fees	-	443	443	499	(56)
Travel	793	2,149	2,942	8,166	(5,225)
Dues Expense - Associations	-	560	560	550	10
Awards	-	2,100	2,100	4,000	-
Miscellaneous (PMIG Conf support)	-	2,039	2,039	-	2,039
Total Expenses	793	9,831	10,624	16,312	(3,788)
Net Revenue/(Expenses)	(793)	7,670	6,877	5,958	919
Net Assets, Beginning of Year			78,366	80,982	(2,616)
Net Assets, End of Period			\$ 85,243	\$ 86,939	\$ (1,696)

2018 Council of Faculty and Academic Societies (CFAS) Spring Meeting, April 19 – 21, Chicago IL

ACDP representative: Nick Delamere

The agenda included:

- Academic Leadership
- Conflict resolution
- Advocacy
- Resilience, Burnout, Wellbeing
- Mind-Body Medicine
- AAMC Report
- Practical Strategies for Basic Science Faculty Engagement

The main points of interest for ACDP members include:

1. Resilience, Burnout, Wellbeing & Mind-Body Medicine: Discussion included the high dropout rate among MD and graduate students, faculty burnout and coping strategies. Adi Haramati (Georgetown U.) discussed an impressive program for med students, faculty and program directors at Georgetown. ACDP President Janice Urban invited Dr. Haramati to attend the ACDP retreat.

2. Board exam. The AAMC report discussed the AAMC Summit on the USMLE exam. There is concern over the excessive influence of the Step 1 Exam. AAMC is analyzing how board exam scores influence the medical curriculum, residency applications etc.

3. Practical Strategies for Basic Science Faculty Engagement

Discussion focused on why and how often basic science departments are being eliminated. It was said to be about cost and value to the institution. Teaching in the medical curriculum is no longer a critical issue. The point was made that the top 20 research-intensive schools keep their basic science departments because it is a reasonably affordable mission priority and research excellence is valued. The lower 20% of schools never had basic science depts. It is in the mid-rank schools where the cost-cutting argument often outweighs the desire for research prominence.

Outcome: Ross McKinney M.D., the AAMC Chief Scientific Officer, is launching an initiative to collect data on time course and magnitude of changes in the number of basic science departments. The AAMC seems to be aware of the trend and is concerned about the long-term implications.


Supporting Doctors, Transforming Lives

2018 CFAS Spring Meeting

Summary



Learn

Serve

Lead


 Association of American Medical Colleges

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What Is CFAS?

The Council of Faculty and Academic Societies (CFAS) represents U.S. medical school faculty and academic societies within the AAMC.

CFAS constituents consist of nearly 360 reps from medical schools and 70+ academic societies.

CFAS has direct representation on the AAMC's Board of Directors through its chair and chair-elect.

Society reps	124+	Senior reps	~187
School reps	234+	Junior reps	~171
Total reps	358+ (47% women)	Chair or vice chairs	~108 (25% women)




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Issues Addressed by CFAS

- Medical education reform
- Faculty resilience and vitality
- NIH funding and research support
- GME support
- Faculty advocacy
- Faculty identity and development
- Health equity and diversity
- Faculty professional development and training

...and more as CFAS reps raise them




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New CFAS Societies

Since November 2017

- **American Society of Nephrology**
– *new member*
- **American Headache Society**
– *past member that has rejoined*



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2018 CFAS Spring Meeting Basics

April 19-21 in Chicago


138 registrants (including AAMC staff)

45 speakers

6 guests

20 first-timers

School reps vs. Society reps: **Roughly 55:45**



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2018 CFAS Spring Meeting Basics

Plenary sessions themes:

- Advocacy in academic medicine
- Faculty wellness and well-being
- Legislative and regulatory developments in academic medicine
- Challenges and trends in medical education
- Developing and supporting faculty leadership

Preconference Programming:

- CFAS Committee and Working Group Meetings
- Two CFAS Leadership Curriculum course: "How to Be an Effective Leader" and "Strategies for Conflict Resolution"
- Tools for Being a Better CFAS Rep workshop
- CFAS New Rep Orientation



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Breakout Sessions

- #MeToo in Graduate Medical Education
- A Beginner's Guide to Advocacy
- The Medical and Scientific Leadership Challenges of Social Inequality
- Well-Being and Resilience: Defining Metrics of Success
- An Experiential Introduction to Mind-Body Medicine for Self-Awareness, Leadership, and Well-Being
- The Projected Impact of the New "Common Rule" on Research Practices and IRBs
- Twelve Tips to Cognitive Integration of Clinical Skills and Basic Science in Medical Students
- When Letters of Recommendation Can Actually Hurt You: Mitigating Bias in Letter Writing
- Addressing the Wellness Mission through Implicit Bias Recognition and Management
- Communication Strategies to Increase Receptiveness to Unwelcome Information
- Examining Burnout Across Campus: A Comparison of Basic Science and Clinical Faculty
- Practical Strategies for Basic Science Faculty Engagement in Governance and Leadership

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Advocacy Plenary

Moderator and Presenter:
Richard Eckert, PhD, CFAS Senior School and Society Rep, Association of Medical and Graduate Departments of Biochemistry, Professor and Chair, Department of Biochemistry and Molecular Biology, University of Maryland School of Medicine

Presenters:
Eugene Sherman, MD, American College of Cardiology
Gregg Pane, MD, Senior Director, Health Care Affairs, AAMC

The opening plenary covered how best to advocate for sustainable regulation in biomedical research, education, and clinical care.

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Advocacy Plenary

- Advocating for academic medicine's missions in the current environment is imperative.
- NIH funding hasn't recovered in real dollars, even after recent increases.
- Number of graduates is exceeding number of residency positions, so advocacy is needed for lifting the Medicare caps.

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Advocacy Plenary

- Government officials respect members of academic medicine and want to hear from them.
 - Most physicians and scientists engage in some level of advocacy.
- "Hug a bureaucrat" – Engaging administrative officials is just as important as engaging legislative officials because regulators have tremendous impact on the legislation that affects our missions.
- Getting involved in advocacy on the local level can translate to tangible, meaningful improvements to local health systems and the health of populations.

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Advocacy Plenary

Advocacy tips:

- Forging connections with Congressional staffers is a great way to get invited to the Hill.
- Data is needed for effective advocacy.
- Advocating for our medical schools needs to become part of academic medicine's culture.
- Good advocacy includes thanking members for funding increases, not just asking for them.

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Advocacy Plenary

Advocacy tips, cont'd...

- When talking to legislators, don't complain or get sidelined on issues that aren't the focus of the visit.
- Build relationships with members by making frequent, regular visits to their offices.
- Advocacy also involves telling the general public about the value of preserving funding for biomedical research. Don't use jargon and don't get into politics, just tell them your story and how funding affects your work.

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Advocacy Plenary

Grassroots advocacy:

- Create an advocacy team locally in your institution.
- Advocacy can be a low-cost effort – faculty from a department can get together to talk to legislators 2-3 times a year.
- In the advocacy team, a mix of faculty, postdocs, and students is ideal.
- Bringing younger researchers on advocacy visits drives home the urgency of robust funding for the future generation of scientists.

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Plenary: Bringing the Joy Back into Academic Medicine: Engaging Faculty and Institutions in Wellness

Moderator:

Lisa Bellini, MD, CFAS Senior Society Rep, Association of Program Directors in Internal Medicine, Vice Dean for Academic Affairs, Perelman School of Medicine

Presenters:

Amy Hildreth, MD, CFAS Junior School Rep, Assistant Professor of Surgery, Wake Forest School of Medicine

Kevin Weiss, MD, MPH, Senior Vice President, Institutional Accreditation, ACGME

David Entwistle, President and CEO, Stanford Health Care

This plenary focused on institutional frameworks for promoting wellness and how institutions can holistically address burnout.

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Plenary: Bringing the Joy Back into Academic Medicine: Engaging Faculty and Institutions in Wellness

- The current focus in wellbeing is on clinician burnout, but we are not saying much about burnout among scientists, even though morale among scientists worsened significantly from 2008-2013.
- There's an evolving mental health crisis in graduate education.

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Bringing the Joy Back into Academic Medicine: Engaging Faculty and Institutions in Wellness

Strategy for finding joy in learning environment: Think of the Australian Aboriginal view of the Milky Way: the "Emu in the Sky"

- When we focus on all the obvious points of turmoil in the learning environment, we miss all the good things in the spaces in between the stress.
- Those good things drew us to the profession in the first place.



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Bringing the Joy Back into Academic Medicine: Engaging Faculty and Institutions in Wellness

Insights from CLER visits:

- In over 80% of clinical learning environments, residents and fellows report observing signs of burnout among faculty and program directors.
- For burnout prevention:
 - Dig deep and don't focus on simple solutions.
 - Create internal infrastructure to give institutional well-being teams staying power.
 - Be careful to construct the right institutional well-being team.
 - and institutional leadership must shelter that team's initiatives and stay engaged with them over time.

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Bringing the Joy Back into Academic Medicine: Engaging Faculty and Institutions in Wellness

A systems approach to burnout:

- External contributors to burnout: health systems adding more and more work requirements to physicians, online scorecards for physicians, inefficiencies in the practice environment, excessive EHR requirements.
- Health system CEOs need to be personally involved in wellness programs and make sure financial resources are provided to make them sustainable.

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Bringing the Joy Back into Academic Medicine: Engaging Faculty and Institutions in Wellness

A systems approach to burnout:

- Institutional leaders must ask:
 - How to facilitate a better work environment
 - What helps ease patients' stays
 - How to facilitate positive patient and colleague interactions
 - How to facilitate work life balance
 - How to create culture of wellness that promotes professional growth, self-care, and compassion for ourselves and others

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Plenary: Bringing the Joy Back into Academic Medicine: Engaging Faculty and Institutions in Wellness

Q&A:

- There must be cultural sensitivity and awareness of the way faculty of different racial and ethnic backgrounds process burnout.
- It's important for health system CEOs to know that burnout from clerical burden isn't a result of the EHR in and of itself, rather, it's a result of the meaningful use requirements that overburden physicians with a large number of EHR-related tasks.
- Burnout for basic science faculty needs to be studied more and receive more attention.

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Plenary: Challenges and Trends for Medical Educators: Precision Education?

Presenters and Moderator:

Caren Stalburg, MD, MA, CFAS Junior Society Rep, Associate Professor, Obstetrics and Gynecology, University of Michigan Medical School

Presenters:

Elizabeth Baker, MD, Senior Associate Dean of Education, Rush Medical College

John Andrews, MD, Associate Dean of Graduate Medical Education, University of Minnesota Medical School

This plenary addressed changes in medical education and described how certain institutions have approached improving curricula and engaging learners with different learning modalities.

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Challenges and Trends for Medical Educators: Precision Education?

- Medical education should include standardizing learning outcomes and enable individualized learning processes.
- Curricula should have integration of formal knowledge with clinical experience, vertical integration of basic science across the curriculum, development of habits of inquiry and innovation in students, and development of professional identity for students.
- There are 5 generations in the current workforce, so educators must have cultural competence with a variety of different learning modalities and communication styles.

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Challenges and Trends for Medical Educators: Precision Education?

- The habits of mind that foster inquiry and improvement must be developed alongside development of routine expertise rather than after it.
- Challenges to disrupting medical education:
 - USMLE Step 1 emphasis
 - Inflexible system
 - Complexity of the knowledge
 - Lack of a defined national core curriculum
 - Time management

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Challenges and Trends for Medical Educators: Precision Education?

Institutional approaches:

- In flipped classrooms, students learn the lessons at home and then come to class to do homework.
- Some flipped classrooms start with building an "evergreen" framework, then embedding knowledge in a patient-centered, interactive way, then encouraging the acquisition of in-depth knowledge through personalized deep dives.
- One institution renewed their curriculum to make it a single pass curriculum anchored around clinical cases with core content from all core disciplines.



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Challenges and Trends for Medical Educators: Precision Education?

Institutional approaches, cont'd...

- The institution is integrating basic and clinical science and meaningful early clinical experiences.
- That institution is also sharing content in video and written formats in the flipped classrooms. They have clinician educators call on basic scientists, who sit and interact with the students, elevating their basic scientists' standing.
- Incorporating video clips promotes better retention of knowledge and repeated testing helps people learn.

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Challenges and Trends for Medical Educators: Precision Education?

Institutional approaches, cont'd...

- Education in Pediatrics Across the Continuum (EPAC) is a pediatrics program sponsored by a few different medical schools, including the University of Minnesota.
 - Minnesota adapted EPAC into a longitudinal integrative clerkship (LIC) that permits students time variable advancement into residency based on their ability to meet the AAMC's core Entrustable Professional Activities (EPAs).
 - Most students in the program advanced to residency in what would have been their fourth year of med school.

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Plenary: Nurturing Leaders

Presenter and moderator:

Carolyn Meltzer, MD, CFAS Senior Society Rep, Association of University Radiologists, Chair, Dept. of Radiology, Emory University School of Medicine

Presenters:

Jeannette South-Paul, MD, CFAS Senior Society Rep, Association of Departments of Family Medicine, Professor and Chair, Dept. of Family Medicine, University of Pittsburgh School of Medicine

Michael Shipley, PhD, CFAS Senior Society Rep, Association of Anatomy, Cell Biology and Neurobiology Chairpersons, Chair, Dept. of Anatomy and Neurobiology, University of Maryland School of Medicine

This plenary provided attendees with tools and skills needed for effective leadership in academic medical centers.

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Plenary: Nurturing Leaders

- We need to emphasize more primary care training opportunities to move further toward population health.
- Institutional leadership must champion transitions to new payment models because the current model is becoming unsustainable.
- Academic medicine can retain leadership in health care by moving to team-based care and team-based science.

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Plenary: Nurturing Leaders

Focus on culture:

- To be successful in a team-based environment, our leaders need to help us win by being cooperative, not competitive.
- The culture of an institution is all-important – it influences what behaviors are permitted, what behaviors are reinforced, and how diverse an institution becomes.
- Basic science chairs need to take a proactive role in shepherding institutional culture because they are the keepers of that culture – their average tenure is 15 years, whereas average tenure of a dean is 6-7 years.

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Plenary: Nurturing Leaders

Advice for chairs:

- As a chair, adopt a transparent business model – the same rules apply to everyone and there are no secret deals.
- The real challenge to faculty retention is figuring out how to replace good faculty members who will get offers for chair positions at other institutions.
- Institutions need to move toward "systemness" – at one institution, money is centrally distributed to departments from the same pot so the departments aren't in financial competition with each other. This helps keep the departments aligned and afloat.

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Leadership Plenary

Moderator:

Scott Gitlin, MD, CFAS Chair and Senior Society Rep, American Society of Hematology, Professor of Hematology/Oncology, University of Michigan Medical School

Presenters:

Darrell G. Kirch, MD, President and CEO, AAMC
M. Roy Wilson, MD, President, Wayne State University, Chair, AAMC BOD
Karen Fisher, Chief Public Policy Officer, AAMC

The Leadership Plenary provided an update on the latest news and initiatives from the AAMC, as well as the most recent legislative and regulatory developments affecting academic medicine.

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Leadership Plenary

AAMC Updates:

- AAMC President and CEO Darrell G. Kirch, MD, will step down and a new president will start in July 2019. Isaacson, Miller is the search firm.
- AAMC's standardized video interview initiative entering second year of operational pilot.
- AAMC offers 15 different courses that teach leadership skills, sometimes online, and is enrolling increasing number of constituents.
- AAMC is planning a summit on the issue of USMLE Step 1 and its effect on burnout.

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Leadership Plenary

AAMC updates, cont'd...

- AAMC updated physician shortage projections, published new report on hospital mergers/acquisitions, report on funds flow, report on physicians with disabilities, and a report on medical school/teaching hospital contributions to GDP (3%).
- Public opinion research shows our institutions have had their favorability consistently rise over the years, but a significant partisan divide persists in whether there should be public support of our missions.

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Leadership Plenary

Legislative updates:

- Assembling teams of educators, clinicians, and scientists to go do advocacy on the Hill is one of the best approaches.
- These last two years looked gloomy but turned out to be good years: NIH and Medicaid cuts were rejected, ACA repeal and replace failed, and CHIP was reauthorized for 10 years.
- A bipartisan bill to rescind 340B cuts has 195 cosponsors and AAMC, AHA, and AEH jointly filed suit to rescind cut. Arguments will be heard in May.



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Leadership Plenary

Legislative updates, cont'd...

- Key advocacy issues this year: FY19 appropriations bill, VA Choice bill, opioids, 340B, possible higher ed bill.
- With threats to ACA, AAMC's advocacy efforts are shifting to raising Medicare caps to help alleviate physician shortage.
- AHRQ got a big increase and wasn't folded into NIH, but getting PCORI reauthorized will be a heavy lift.
- Members on the Hill are convinced of the NIH's value and we have good arguments focused on why NIH funding is a necessary investment.

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2018 CFAS Business Meeting

Highlights:

- A new slate of CFAS Administrative Board members was voted in.
- AAMC Chief Scientific Officer Ross McKinney, MD, addressed the AAMC's advocacy efforts on research.
- CFAS Chair Scott Gitlin, MD, described CFAS' enhanced society outreach efforts, and how CFAS is becoming a more robust forum for discussion among medical school faculty.

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Society Advocacy Engagement

In addition to contributions through meetings and events, **sign-on letters** are one way CFAS-member societies work together with AAMC to move the needle. These letters make a big impact on AAMC advocacy efforts.

- VA Research Letter (4/2018) – 15 societies signed
- NIH Funding Letter (3/2018) – 25 societies signed
- Amicus brief; Supreme Court (3/2018) - 34 societies signed
- DACA Letter (9/2017) – 15 societies signed
- F&A Letter – 9/2017) – 23 societies signed
- ISSCR Letter (8/2017) – 3 societies signed
- NIH Letter – (4/2017) – 29 societies signed

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Ongoing CFAS Engagement Efforts

- **New group on surgical subspecialties** – launched at the 2018 Spring Meeting to connect reps from surgical subspecialty societies
- **Family medicine group** – reps from family medicine and other primary care groups meet to discuss trends in the field
- **Society Executive Directors** – early planning on ways to get society staff leaders engaged
- **Organizational Leadership in Academic Medicine** – training for new department chairs and associate deans; CFAS reps serve on the faculty of this popular AAMC program

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Ongoing CFAS Engagement Efforts, cont'd

- **Program planning** for recent AAMC Summit on Volunteer Faculty
- **Leadership representation** with the Group on Faculty Affairs
- **Liaison relationship** to the Graduate Research Education and Training Group and the Group on Research Advancement and Development (GREAT and GRAND)

Also, CFAS leaders serve on the NAM Action Collaborative and the ACGME Board of Directors

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Committee and Working Group Updates

- **Advocacy Committee:** Recommended CFAS continue to distribute advocacy sign-on letters to societies. There should be follow up messages on success of letters. Also looking at having regular conference calls with societies to find ways to collaborate.
- **Basic Science Working Group:** Working to create future meeting sessions about basic scientist burnout, regulatory burden, and job security.
- **Communications Committee:** Working with other groups at the AAMC to do faculty-oriented podcasts and looking at using Tweet chats to promote more active learning at meetings.

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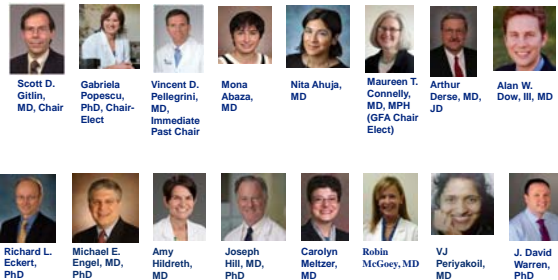
Committee and Working Group Updates

- **Diversity Committee:** Looking at providing unconscious bias training for CFAS reps, rolled out a beta version of an online toolkit of resources on faculty diversity.
- **Evaluation Committee:** Developing tools to facilitate how CFAS reps communicate the value of membership in CFAS to their medical school or society.
- **Faculty Resilience Working Group:** Updating and reformatting the AAMC's "Well-being in Academic Medicine" webpage.
- **Mission Alignment and Impact of Faculty Educators Working Group:** Looking at how best to reach millennials in the learning environment and whether promotion and tenure is still relevant.

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Current CFAS Administrative Board



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Ad Board Members with Terms Ending in November



Michael E. Engel, MD, PhD



Amy Hildreth, MD



Joseph Hill, MD, PhD



VJ Periyakoil, MD

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Election of New Ad Board Members

(terms commence in November 2018)



Steven Angus, MD
(University of Connecticut School of Medicine)



Vera Donnenberg, PhD (American College of Clinical Pharmacology)



VJ Periyakoil, MD (American Academy of Hospice and Palliative Medicine) Reappointment



Catherine Pipas, MD (Society of Teachers of Family Medicine Foundation)

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CFAS Knowledge Sharing Session

The CFAS Knowledge Sharing Session has become a staple of CFAS programming at both LSL and CFAS spring meetings. It is an open-mic forum to freely share thoughts, ideas, and experiences to help advance the CFAS effectiveness.

2018 Ideas:

- Breakout sessions should incorporate physical activity to embrace wellness concepts
- Consider generational differences of faculty when discussing burnout/wellbeing issues
- Shorten speaker times to allow more conversation among all session attendees
- More table/small group discussion among faculty

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CFAS Knowledge Sharing Session

- CFAS should explore role of chief wellness officers.
- Explore the financial costs of not addressing burnout.
- Putting financial resources behind wellness is a topic COD, COTH, and CFAS could collaborate on.
- Would be great to collect data on basic scientist burnout by asking the basic science chairs to report what their faculty's stressors are.
- Sessions on philanthropy funding would be a good future topic for CFAS meetings.

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CFAS Knowledge Sharing Session

- Clinician, basic scientist, and educator perspectives must be made more explicit in sessions.
- Solicit participant ideas on themes for discussion prior to meeting start
- Invite more C-suite professionals to facilitate dialogue with faculty



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Networking Opportunities and Social Engagement

The CFAS meeting provided networking opportunities for faculty to get to know one another, including:

- Open-ended networking breakfast,
- On-the-fly table topic breakfast,
- Poster session,
- Welcome reception
- Dine-around dinners



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For More Details...

Learn more about CFAS:

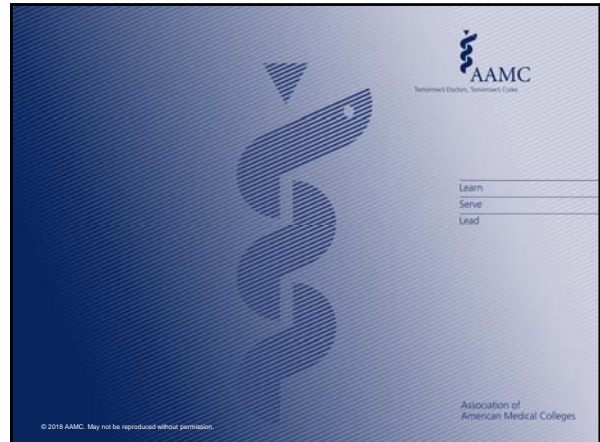
- Membership
- Issues
- Leadership
- www.aamc.org/cfas

Learn more about our spring meeting:

- Full program of the conference, including speakers
- Access to additional slides and other materials
- www.aamc.org/members/cfas/resources/

Please contact **Eric Weissman** with any questions at 202-828-0044 or eweissman@aamc.org

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Learn
Serve
Lead

CFAS Business Meeting

Scott D. Gitlin, MD, FACP
CFAS Chair
April 20, 2018



Association of American Medical Colleges


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Welcome to Chicago!

Who's here?

- 138** registrants (including AAMC staff)
- 45** speakers (many of them are you!)
- 6** guests
- 20** first-timers – Welcome!

School reps vs. Society reps: **Roughly 55:45**




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CFAS Rep Update

2018 CFAS MEMBER STATS

Society reps	124+	Senior reps	~187
School reps	234+	Junior reps	~171
Total reps	358+ (47% women)	Chair or vice chairs	~108 (25% women)




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New CFAS Societies

Since we last met in November:

- American Society of Nephrology** – new member
- American Headache Society** – past member that has rejoined



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Society Advocacy Engagement

In addition to contributions through our meetings and events, **sign-on letters** are one way CFAS-member societies work together with AAMC to move the needle. These letters make a big impact on AAMC advocacy efforts.


- VA Research Letter (4/2018) – 15 societies signed
- NIH Funding Letter (3/2018) – 25 societies signed
- Amicus brief; Supreme Court (3/2018)-34 societies signed
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- F&A Letter – 9/2017) – 23 societies signed
- ISSCR Letter (8/2017) – 3 societies signed
- NIH Letter – (4/2017) – 29 societies signed



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Engagement Efforts

- New group on surgical subspecialties** – getting started at this meeting to connect surgical subspecialty societies and reps
- Family medicine group** – an ongoing meeting group at CFAS; a model for how reps can collaborate
- Society Executive Directors** – early planning on ways to get society staff leaders engaged
- Organizational Leadership in Academic Medicine** – training for new department chairs and associate deans; CFAS reps serve on the faculty of this popular program



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Engagement Efforts, cont'd

Program planning for recent AAMC Summit on Volunteer Faculty

Leadership representation with the Group on Faculty Affairs

Liaison relationship to the Graduate Research Education and Training Group and the Group on Research Advancement and Development (GREAT and GRAND)

Also, CFAS leaders serve on the NAM Action Collaborative and the ACGME Board of Directors

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Learn Serve Lead

CFAS has been a leader at Learn Serve Lead, the AAMC Annual Meeting

No fewer than **8 LSL sessions** originated in CFAS

About **120 CFAS representatives** attended LSL in Boston last November

CFAS rep Dr. Lumy Sawaki Adams sits on the LSL Program Committee

Potential sessions at LSL 2018 in Austin likely will include CFAS representation – will keep you posted as the schedule is developed.

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Journal Contributions

CFAS Sessions led by immediate past chair Vin Pellegrini are in various stages of publication –

Academic Medical Center Governance paper provisionally accepted to *Academic Medicine*

Resilience-related paper being prepped for journal submission

Fourth year of medical school manuscript from LSL 2018 in progress

Goal: Submit more CFAS session for publication!

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Chief Scientific Officer Report



Ross McKinney Jr., MD

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Nominating Committee Report

Vincent D. Pellegrini, MD, committee chair

Members:

Lumy Adams, MD, PhD*

Nita Ahuja, MD

James Burris, PhD

Evelyn Granieri, MD

Mike Levitzky, PhD

VJ Periyakoil, MD*

* Excused from deliberations while a candidate under consideration

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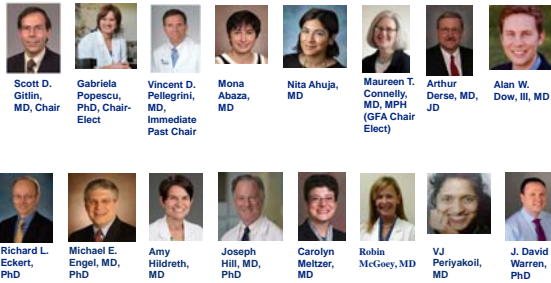
CFAS Ad Board Rotation

- There are 12 appointed CFAS Administrative Board members, each of whom serves a three-year term that can be renewed once
- A set rotation ensures that four seats will predictably open each year, in a three year cycle, for renewal or refilling
- New ad board members will typically be named in the spring and new terms are effective in November, after the AAMC Learn Serve Lead Annual Meeting
- CFAS officers (chair, chair-elect, and immediate past chair) serve two-year terms, aligned with the AAMC Board of Directors
- An ex-officio member of the CFAS Ad Board represents the GFA

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Current CFAS Administrative Board



Scott D. Gitlin, MD, Chair
Gabriela Popescu, PhD, Chair-Elect
Vincent D. Pellegrini, MD, Immediate Past Chair
Mona Abaza, MD
Nita Ahuja, MD
Maureen T. Connelly, MD, MPH (GFA Chair Elect)
Arthur Derse, MD, JD
Alan W. Dow, III, MD
Richard L. Eckert, PhD
Michael E. Engel, MD, PhD
Amy Hildreth, MD
Joseph Hill, MD, PhD
Carolyn Meltzer, MD
Robin McGoey, MD
VJ Periyakoil, MD
J. David Warren, PhD

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Terms Ending in November



Michael E. Engel, MD, PhD
Amy Hildreth, MD
Joseph Hill, MD, PhD
VJ Periyakoil, MD

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Election of New Ad Board Members (terms commence in November 2018)



Steven Angus, MD (University of Connecticut School of Medicine)
Vera Donnenberg, PhD (American College of Clinical Pharmacology)
VJ Periyakoil, MD (American Academy of Hospice and Palliative Medicine) Re-appointment
Catherine Pipas, MD (Society of Teachers of Family Medicine Foundation)

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CFAS Demographic Survey

CFAS is conducting a demographic survey of its representatives

Preliminary results were shared during the spring meeting but are not included in this presentation

A full report will be issued to all CFAS representatives when it is available in the summer of 2018.

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Committee and Working Group Updates

Committee and Working Group Chairs:

- Advocacy Committee – Joe Hill (Art Derse)
- Basic Science – Rich Eckert
- Communications – Amy Hildreth
- Diversity – VJ Periyakoil
- Evaluation – Carolyn Meltzer
- Faculty Resilience – Mona Abaza
- Mission Alignment – Stewart Babbott (Adam Franks)
- Program – Gabriela Popescu

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Definition of Faculty Project

Several gatherings at prior CFAS and Learn Serve Lead meetings

DOF Working Group meetings to review data gathered

Manuscript in preparation (nearly ready for submission?): leads are Lisa Bellini, Rosemarie Fisher, and Scott Gitlin, with additional input from many.

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Well-Being in Academic Medicine Webpage

- Continually refreshing page with new content
- Average page views per month: **232**

Well-Being in Academic Medicine

"Our well-being, and the well-being of our teams, ultimately affects the health and well-being of our patients and communities."

Marsha Kaptey, MD
AAMC Immediate Past Chair

Well-being in academic medicine has emerged as a critical issue facing faculty, researchers, residents, and students. The AAMC has issued a statement on clinician well-being, and dedicated its June 2016 Leadership Forum to a range of topics addressing depression, resilience, burnout, and suicide in academic medicine. Additionally, the AAMC Accreditation Council for Graduate Medical Education (ACGME) and National Academy of Medicine (NAM) are working to help students and new doctors develop life-long skills to improve their own well-being. In 2016, those groups formed the National Academy of Medicine's Action Collaborative on Clinician Well-Being and Resilience, a network of 100 (and growing) organizations dedicated to promoting clinician well-being across all career stages and specialties. The following resources help explain and address the challenges.

Please let us know if you have any suggested books, articles, or other resources to share with your colleagues and we will consider including on these pages.

The Latest in Well-Being

- Medical Faculty Need to Foster Resilience in Students (and in Themselves) - AAMCNews
- How to Avoid Physician Burnout - ENToday
- Healthcare leaders must do more to address clinician burnout - Modern Healthcare

www.aamc.org/wellbeing

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CFAS News Weekly Mailing

Roughly **5,000 subscribers** across academic medicine receive this weekly mailing

Nearly a **40 percent weekly open rate** – substantially higher than industry averages for a newsletter of this type and size

Interested in promoting a faculty-oriented item about your society or a high-level appointment (division chief, chair, or above), or a major award or similar item?

email: eweissman@aamc.org.

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CFAS Rep Update Newsletter

Goes just to CFAS reps and society execs roughly quarterly

Average open rate: **46%**

Among the highest open rates of AAMC newsletters



In this edition:

Registration is Open for the 2018 CFAS Spring Meeting - EARLY BIRD ENDS MARCH 14!
Bioscience from Laura Stern, Lead, The 2017 AAMC Annual Meeting (SLI)
CFAS Ad Board Update
AAMC Advocacy Efforts
CFAS Rep Profiles: Trest Reed, DO, and Rebecca Fisher, PhD
Society Profile: Society of University Otolaryngologists (SUG)
Accessing AAMC Data
CFAS News and Society Outreach

Registration is Open for the 2018 CFAS Spring Meeting - EARLY BIRD ENDS MARCH 14!
CFAS annual gathering is fast approaching. Register for the 2018 CFAS Spring Meeting now to receive the early bird discount, which expires March 14. The meeting will be hosted at the Westin Chicago River North, Chicago, Illinois from April 19-21, 2018.
[Read More](#)

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Odds & Ends

- Knowledge Sharing Session
TODAY @ 4:30 pm
- CEO Search (covered in Leadership Update coming up)
- Save the Date:
2019 CFAS Spring Meeting:
April 4 – 6, 2019: Atlanta/Buckhead, GA
- Reminder – please complete:
Demographic Survey
Meeting Evaluation
(Links will be mailed right after the meeting)

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Thank you

- Eric Weissman
- Stephen Barry
- Alex Bolt
- Jodi VanWoerkom, CMP

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Questions and Comments

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2018 CFAS Demographic Survey

Executive Summary

To better serve CFAS representatives with programming, products, and services, the CFAS Administrative Board developed a survey that was sent to all CFAS representatives in the spring of 2018 to gather detailed demographic data on the council's active participants. The preliminary results of the survey were presented at the 2018 CFAS Spring Meeting in Chicago.

The response rate was quite high – well over 50% of 196 total respondents. The goal is to administer the survey regularly to new reps annually in order to maintain an ongoing snapshot of the demographics of the CFAS representative community. While we have a member database, it lacks certain key information that helps to provide a clear portrait of who, exactly, makes up CFAS.

The majority of respondents to the survey were primarily appointed to CFAS by medical schools, where they tended to be full professors or associate professors. 13% of respondents identified themselves as assistant professors or “other.” Nearly half (47%) of respondents were on a tenure track. Perhaps as a reflection of their status as senior-level educators in their institutions, the vast majority of respondents were located on the primary campuses of their home institutions. Only 12 respondents were located on regional campuses.

The majority of CFAS reps listed their age range as being 40-50 years old (36% of respondents). The next most common age ranges were 50-60 (29% of respondents) and 60-70 (20% of respondents), indicating that even among junior representatives, CFAS represents those in the earliest stages of their academic careers.

On the diversity front, when compared to 2015 AAMC data on faculty in medical schools across the country, CFAS' racial and ethnic diversity mostly mirrors the national average, with the exception of a lower number of Asian respondents compared to white respondents. Although the majority of respondents were male, it was a very slim majority, with 48% of respondents identifying as female.

The most common administrative role listed by respondents was “department chair” (26%), followed by “other” (25%). About 15% of CFAS reps indicated that they have an associate or assistant dean's role, and about 6% said they had an associate or assistant department chair role. Most respondents (33%) listed “Education” as their primary contribution to their home institution, followed by “Administration” (26%), and “Clinical” (23%).

In terms of topical interests, the most important areas to respondents were “faculty as educators,” followed by “well-being and resilience,” and “basic science issues.”

The data collected will be used to tailor meeting programming and CFAS initiatives to meet the specific needs of the various constituencies that comprise the membership of the council. The survey data will also be used to help guide the council's efforts to enhance internal diversity. Survey data also will be used to help identify CFAS reps who may wish to participate in committees or special projects for the council.

Data collected from the survey will be housed in a secure server at the AAMC. If you have any questions about the data, how it is stored, or how it can be used, please contact [Eric Weissman](#) at the AAMC.

2018 Barbara A. Horwitz and John M. Horowitz Outstanding Undergraduate Abstract Awardees

Student/Student Institution	Host/Institution	Abstract Title
Maleeha Ahmad Michigan State University	Stephanie W. Watts, PhD Michigan State University	Perivascular Adipocytes Store Norepinephrine by Vesicular Transport
Emily Bell Elon University	Jennifer Uno, PhD Elon University	Using a Zebrafish Model to Study the Gut Microbiota's Effect on the Brain's Neurochemistry and Behavior
John Bonamer University of Cincinnati	Bryan Mackenzie, PhD University of Cincinnati	Oligomerization of Ferroportin and the Mechanism of Autosomal Dominance in Ferroportin Disease
Thomas Bye Michigan Technological University	Steven Elmer, PhD Michigan Technological University	Respiratory Muscle Fatigue Limits Upper-Body Exercise Tolerance in Collegiate Cross Country Skiers
Alexandra Carl University of Wisconsin-Madison	Jill Barnes, PhD University of Wisconsin-Madison	Cerebral Blood Flow Responses to a Memory Test in Young and Older Habitual Exercisers
Shane Carr University of Arizona	Jason X.-J. Yuan, MD, PhD University of Arizona Health Sciences	New Approaches for Localization of Proteins and Interaction Partners in Cells with High Spatial Resolution
Rebecca Fleeman University of Florida	Amy Arnold, PhD Pennsylvania State University College of Medicine	Angiotensin-(1,7)-Mediated Increases in Energy Expenditure Appear Independent of the Hypothalamic Melanocortin System
Ethan Goh University of Utah	My Helms, PhD University of Utah	Increased Epithelial Sodium Channel (ENaC) Activity Protects Preterm Lungs from Hyperoxia-Induced Lung Injury
Emily Gornick Benedictine University	Jayashree Sarathy, PhD Benedictine University	Novel Endoperoxides Increase Apoptosis Only In Cancer Cells by Inducing Oxidative Stress

Winston Guo University of Minnesota-Twin Cities	Jacqueline Limberg, PhD University of Missouri	Early Blood Pressure Response to Isometric Exercise is Attenuated in Obese Individuals Who Have Undergone Bariatric Surgery
Rachel Harradine University of Wisconsin-Madison	Marlowe Eldridge, MD University of Wisconsin-Madison	Autonomic Function and Blood Pressure In Adolescents Born Preterm
Caitlin Jarrard University of Wisconsin-Madison	Marlowe Eldridge, MD University of Wisconsin-Madison	Blood Pressure and Stroke Volume Response to Exercise in Adolescent Children Born Very Preterm
Joohee Kang Emory University	Jeanie Park, MD Emory University	Effects of Device-Guided Slow Breathing on Hemodynamics in Pre-Hypertensive Post-Traumatic Stress Disorder Patients
Karly Katchen University of Wisconsin-Madison	Jill Barnes, PhD University of Wisconsin-Madison	The Impact of Grey Matter Normalization on Cerebrovascular Reactivity
Maloree Khan University of Missouri –Columbia	Shawn Bender, PhD University of Missouri-Columbia	Chronically Increased Aldosterone <i>in Vivo</i> Attenuates Coronary Vasodilation to Adenosine
Connor Laule University of Minnesota Medical School, Duluth Campus	Jean F. Regal, PhD University of Minnesota Medical School, Duluth Campus	Depletion of B1 and B2 Lymphocytes in Placental Ischemia-Induced Hypertension in the Rat
Ashley Loeven Le Moyne College	Lara R. DeRuisseau, PhD Le Moyne College	Breathing and Blood Pressure in Conscious and 1% Isoflurane Anesthetized Mice
Amanda Ludwig Purdue University	Joshua Selsby, PhD Iowa State University	PGC-1 α Overexpression Increases Lysosome Abundance and Autophagy in Dystrophic Skeletal Muscle
Monisha Mistry Emory University	Clintoria Richards Williams, PhD Emory University	Sodium Chloride Cotransporter Upregulation in Settings of Zinc Deficiency Offers New Insight into Blood Pressure Dysregulation in Chronic Diseases

<p>Hayley Moyer Emory University</p>	<p>Brandi M. Wynne, PhD Emory University School of Medicine</p>	<p>IL-6 Activates the Mineralocorticoid Receptor via the JAK2/STAT3 Pathway</p>
<p>Thara Nallamothu University of Chicago</p>	<p>Alfredo J. Garcia, PhD University of Chicago</p>	<p>Duration Dependent Effect of Intermittent Hypoxia (IH) on Adult Hippocampal Neurogenesis</p>
<p>Kelsey Olson Louisiana State University School of Veterinary Medicine</p>	<p>Jennifer Sones, DVM, PhD Louisiana State University School of Veterinary Medicine</p>	<p>Inflammatory Reproductive White Adipose Tissue Characterizes the Obese Preeclamptic-Like BPH Mouse Prior to Pregnancy</p>
<p>Dante Pezzutti University of Dayton</p>	<p>Carissa Krane, PhD University of Dayton</p>	<p>LB229 Characterization of the Glycosylation of Aquaglyceroporin HC-3 in Erythrocytes from the Freeze Tolerant Anuran, <i>Dryophytes chrysocelis</i></p>
<p>Anna Salmonsén Gettysburg College</p>	<p>Josef Brandauer, PhD Gettysburg College</p>	<p>Assessment of Skeletal Muscle Nicotinamide Adenine Dinucleotide Concentrations in Rat Strains Exhibiting Different Levels of Play Behavior</p>
<p>Lindsey Sniffen Emory University</p>	<p>Malu G. Tansey, PhD Emory University</p>	<p>Effect of High Fat High Fructose Diet on Peripheral Immune Cell Tracking into the Brain in CCR2 Mouse Model</p>
<p>Zachary Trottier Mayo Clinic</p>	<p>Michael J. Joyner, MD Mayo Clinic</p>	<p>Effect of Prolonged Sleep Restriction on the Cardiovascular Response to Mental Arithmetic</p>
<p>Alexandria Valdez University of South Florida Morsani College of Medicine</p>	<p>Timo Reig, MD, PhD University of South Florida Morsani College of Medicine</p>	<p>Intestinal Epithelial-Specific NHE3 Knockout Causes Metabolic Acidosis</p>
<p>Jen Xu Harvard College</p>	<p>Tzongshi Lu, PhD Brigham & Women's Hospital</p>	<p>The Molecular Mechanisms of Chronic Kidney Disease Induced Hyperphosphatemia In Cerebral Microvasculature</p>

Shao Yang Zhang University of Iowa	Justin L. Grobe, PhD University of Iowa	AT _{1a} Receptors on Vasopressin-Producing Cells Are Important for Vasopressin Secretion by Not Blood Pressure Responses to Chronic Intracerebroventricular Angotensin in Mice
Shaelynn Zouboules Mount Royal University	Trevor A. Day, PhD Mount Royal University	Acid-Base Compensation During Incremental Ascent to High Altitude

2018 Barbara A. Horwitz and John M. Horowitz Excellence in Undergraduate Research Awardees

Student/Student Institution	Host/Institution	Abstract Title
Maleeha Ahmad Michigan State University	Stephanie W. Watts, PhD Michigan State University	Perivascular Adipocytes Store Norepinephrine by Vesicular Transport
John Bonamer University of Cincinnati	Bryan Mackenzie, PhD University of Cincinnati	Oligomerization of Ferroportin and the Mechanism of Autosomal Dominance in Ferroportin Disease
Thomas Bye Michigan Technological University	Steven Elmer, PhD Michigan Technological University	Respiratory Muscle Fatigue Limits Upper-Body Exercise Tolerance in Collegiate Cross Country Skiers
Alexandra Carl University of Wisconsin-Madison	Jill Barnes, PhD University of Wisconsin-Madison	Cerebral Blood Flow Responses to a Memory Test in Young and Older Habitual Exercisers
Emily Gornick Benedictine University	Jayashree Sarathy, PhD Benedictine University	Novel Endoperoxides Increase Apoptosis Only In Cancer Cells by Inducing Oxidative Stress
Caitlin Jarrard University of Wisconsin-Madison	Marlowe Eldridge, MD University of Wisconsin-Madison	Blood Pressure and Stroke Volume Response to Exercise in Adolescent Children Born Very Preterm
Karly Katchen University of Wisconsin-Madison	Jill Barnes, PhD University of Wisconsin-Madison	The Impact of Grey Matter Normalization on Cerebrovascular Reactivity
Connor Laule University of Minnesota Medical School, Duluth Campus	Jean F. Regal, PhD University of Minnesota Medical School, Duluth Campus	Depletion of B1 and B2 Lymphocytes in Placental Ischemia-Induced Hypertension in the Rat
Ashley Loeven Le Moyne College	Lara R. DeRuisseau, PhD Le Moyne College	Breathing and Blood Pressure in Conscious and 1% Isoflurane Anesthetized Mice

<p>Hayley Moyer Emory University</p>	<p>Brandi M. Wynne, PhD Emory University School of Medicine</p>	<p>IL-6 Activates the Mineralocorticoid Receptor via the JAK2/STAT3 Pathway</p>
<p>Thara Nallamothe University of Chicago</p>	<p>Alfredo J. Garcia, PhD University of Chicago</p>	<p>Duration Dependent Effect of Intermittent Hypoxia (IH) on Adult Hippocampal Neurogenesis</p>
<p>Dante Pezzutti University of Dayton</p>	<p>Carissa Krane, PhD University of Dayton</p>	<p>LB229 Characterization of the Glycosylation of Aquaglyceroporin HC-3 in Erythrocytes from the Freeze Tolerant Anuran, <i>Dryophytes chrysocelis</i></p>
<p>Zachary Trottier Mayo Clinic</p>	<p>Michael J. Joyner, MD Mayo Clinic</p>	<p>Effect of Prolonged Sleep Restriction on the Cardiovascular Response to Mental Arithmetic</p>
<p>Shaelynn Zouboules Mount Royal University</p>	<p>Trevor A. Day, PhD Mount Royal University</p>	<p>Acid-Base Compensation During Incremental Ascent to High Altitude</p>



**AGENDA
ACDP Business Meeting II**

(General membership)

December 1, 2018

- I. Call to re-convene**
- II. Election of 2018-2019 Officers**
- III. 2019 ACDP Meeting Plans (Patricia Molina)**
- IV. Adjournment**



(7/1/2018)

ACDP 2017-2018 Officers

President (Term ends 2018)

Janice H. Urban, Ph.D.
Dept. of Physiology & Biophysics
Rosalind Franklin Univ. of Med. & Sci.
Chicago Medical School
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Past President (Term ends 2018)

Charles E. Wood, Ph.D.
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Councilor (Term ends 2019)

V. Gustavo Blanco, M.D., Ph.D.
Dept. of Molec. & Integrative Physiology
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Kansas City, KS 66061
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Email: gblanco@kumc.edu

President-elect (Term ends 2018)

Patricia E. Molina, M.D., Ph.D.
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Secretary-Treasurer (Term ends 2019)

Elsa I. Mangiarua, Ph.D.
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Councilor (Term ends 2020)

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ACDP Officers (Cont'd)

Councilor (Term ends 2020)

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Councilor (Term ends 2018)

Edward E. Morrison, Ph.D.
Dept. of Anatomy, Physiology
& Pharmacology
Auburn University
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109 Greene Hall
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CFAS Representative (Term ends 2020)

R. Clinton Webb, Ph.D.
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Executive Assistant

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6120 Executive Boulevard, Suite #600
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Councilor (Term ends 2019)

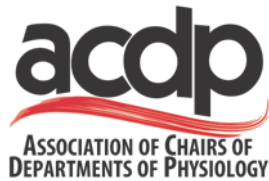
Christopher Hardin, Ph.D.
Dept. of Nutrition and Exercise Physiology
204 Gwynn Hall
University of Missouri
Columbia, MO 65211
Phone: 573-882-0183
Email: hardinc@missouri.edu

Councilor (Term ends 2018)

Marlene A. Wilson, Ph.D.
Dept. of Pharmacology, Physiology, &
Neuroscience
Univ. of South Carolina Sch. of Med.
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CFAS Representative (Term ends 2018)

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Email: delamere@arizona.edu



Past Officers of ACDP

ACDP Presidents

3-yr term: President-elect, President, Past President

Year	Name	Institution	Early Term Ending
2018-19	Patricia E. Molina, M.D., Ph.D.	Louisiana State Univ. Hlth. Sci. Ctr.	
2017-18	Janice H. Urban, Ph.D.	Rosalind Franklin Univ. of Med. & Sci./Chicago Medical School	
2016-17	Charles E. Wood, Ph.D.	Univ. of Florida Coll. of Med.	
2015-16	T. Richard Nichols, Ph.D.	Georgia Institute of Technology	
2014-15	Michael Sturek, Ph.D.	Indiana Univ.	
2013-14	Nicholas A. Delamere, Ph.D.	Univ. of Arizona	
2013-14	Michael B. Reid, Ph.D.	Univ. of Kentucky	Resigned as President-elect, took position as Dean
2012-13	Muthu Periasamy, Ph.D.	Ohio State Univ.	
2011-12	Marshall (Chip) Montrose, Ph.D.	Univ. of Cincinnati	
2010-11	Gary C. Sieck, Ph.D.	Mayo Med. Sch.	
2009-10	R. Clinton Webb, Ph.D.	Med. Coll. of Georgia	
2008-09	Meredith Bond, Ph.D.	Univ. of Maryland, Baltimore	
2007-08	Nicola C. Partridge, Ph.D.	UMDNJ-RW Johnson Med. Sch.	
2006-07	William S. Spielman, Ph.D.	Michigan State Univ.	
2005-06	Richard N. Bergman, Ph.D.	Univ. of Southern California	
2003-05	Peter M. Cala, Ph.D.	Univ. of California, Davis	
2002-03	Irving H. Zucker, Ph.D.	Univ. of Nebraska	
2001-02	Irving G. Joshua, Ph.D.	Univ. of Louisville	
2001-02	Phyllis M. Wise, Ph.D.	Univ. of Kentucky	Resigned as President-elect, took position as Dean
2000-01	Donald M. Bers, Ph.D.	Loyola Univ.	
1999-2000	William H. Dantzler, M.D., Ph.D.	Univ. of Arizona	
1998-99	R. John Solaro, Ph.D.	Univ. of Illinois at Chicago	
1997-98	Mordecai P. Blaustein, M.D.	Univ. of Maryland	
1996-97	Paul De Weer, M.D., Ph.D.	Univ. of Pennsylvania	
1995-96	L. Gabriel Navar, Ph.D.	Tulane Univ.	
1995-96	Robert D. Foreman, Ph.D.	Univ. of Oklahoma	
1994-95	Antonio Scarpa, M.D., Ph.D.	Case Western Reserve Univ.	
1993-94	Wayne E. Crill, M.D.	Univ. of Washington	
1992-93	Harel Weinstein, D.Sc.	Mount Sinai Sch. of Med.	
1991-92	Donald J. Marsh, M.D.	Brown Univ	
1990-91	Allen W. Cowley, Jr., Ph.D.	Med. Coll. of Wisconsin	
1989-90	Robert B. Gunn, M.D.	Emory Univ.	
1988-89	Donald T. Frazier, Ph.D.	Univ. of Kentucky	
1987-88	M. Ian Phillips, Ph.D., D.Sc.	Univ. of Florida	
1986-87	Stephen H. White, Ph.D.	Univ. of California, Irvine	
1985-86	Stanley G. Schultz, M.D.	Univ. of Texas, Houston, Med. Sch.	
1984-85	George A. Hedge, Ph.D.	West Virginia Univ. Sch. of Med.	Replaced Stephen White who was unable to serve

1983-84	Edward J. Masoro, Ph.D.	Univ. of Texas HSC, San Antonio	
1982-83	F. Norman Briggs, Ph.D.	Med. Coll. of Virginia	
1981-82	Franklyn G. Knox, M.D.	Mayo Clinic	
1980-81	Paul C. Johnson, Ph.D.	Univ. of Arizona Sch. of Med,	
1979-80	Jack L. Kostyo, Ph.D.	Univ. of Michigan Med. Sch.	
1978-79	Leonard Share, Ph.D.	Univ. of Tennessee Coll. Med.	
1977-78	Charles R. Park, M.D.	Vanderbilt Univ. Sch. of Med.	
1976-77	W. Francis Ganong, M.D.	Univ. of California, San Francisco	
1975-76	Howard E. Morgan, M.D.	Pennsylvania State Univ.	
1974-75	Norman R. Alpert, Ph.D.	Univ. of Vermont Coll. of Med.	
1973-74	James B. Preston, M.D.	SUNY Upstate Med. Ctr.	Replaced James O. Davis who resigned as President-elect
1972-73	E. B. Brown, Jr., Ph.D.	Univ. of Kansas Med. Ctr.	
1971-72	Ewald E. Selkurt, Ph.D.	Indiana Univ. Sch. of Med.	
1970-71	Robert M. Berne, M.D.	Western Reserve Univ.	
1969-70	Ernst Knobil, Ph.D.	Univ. of Texas Med. Sch.	

ACDP Secretary-Treasurers
3-yr term; renewable terms

Year	Name	Institution	Early Term Ending
2013-19	Elsa I. Mangiarua, Ph.D.	Marshall Univ. Sch. of Med.	
2010-13	Susan DeMesquita, Ph.D.	American Univ. of the Caribbean	
2007-10	Chris Cheeseman, Ph.D.	Univ. of Alberta	
2004-07	Richard L. Moss, Ph.D.	Univ. of Wisconsin Sch. of Med.	
2002-04	Philip M. Best, Ph.D.	Univ. of Illinois	
1997-2001	Aubrey E. Taylor, Ph.D.	Univ. of South Alabama	
1994-97	R. John Solaro, Ph.D.	Univ. of Illinois at Chicago	
1991-94	Robert D. Foreman, Ph.D.	Univ. of Oklahoma	
1989-91	Douglas G. Stuart, Ph.D.	Univ. of Arizona Coll. of Med.	
1988-89	Allen W. Cowley, Jr., Ph.D.	Med. Coll. of Wisconsin	Elected President-elect
1985-87	Donald T. Frazier, Ph.D.	Univ. of Kentucky	Replacing L. Stone
1984	H. Lowell Stone, Ph.D.	Univ. of Oklahoma Hlth. Sci. Ctr.	Deceased
1981-84	George A. Hedge, Ph.D.	West Virginia Univ. Sch. of Med.	
1980-81	F. Norman Briggs, Ph.D.	Med. Coll. of Virginia	
1976-80	Franklyn G. Knox, M.D.	Mayo Clinic	
1974-76	Leonard Share, Ph.D.	Univ. of Tennessee Coll. of Med.	
1971-74	Howard E. Morgan, M.D.	Pennsylvania State Univ.	
1970-71	E. B. Brown, Jr.	Univ. of Kansas Med. Ctr.	Elected President-elect

Councillors

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

Year	Name	Institution	Early Term Ending
2017-20	Walter F. Boron, M.D., Ph.D.	Case Western Reserve Univ. Sch. Med.	
2017-20	Gaylen L. Edwards, D.V.M., Ph.D.	Univ. of Georgia Coll. Vet. Med.	
2016-19	V. Gustavo Blanco, M.D., Ph.D.	Kansas Univ. Medical Center	
2016-19	Christopher Hardin, Ph.D.	University of Missouri	
2015-18	Edward E. Morrison, Ph.D.	Auburn Univ.	
2015-18	Marlene A. Wilson, Ph.D.	Univ. of South Carolina Sch. of Med.	
2014-17	Kebreten F. Manaye, M.D.	Howard Univ. Coll. of Med.	
2014-17	D. Buck Hales, Ph.D.	Southern Illinois Univ. Sch. of Med.	
2013-16	Janice H. Urban, Ph.D.	Rosalind Franklin Univ. of Med. & Sci./ Chicago Med. Sch.	
2013-16	Pieter P. de Tombe, Ph.D.	Loyola Univ. Chicago Med. Sch.	
2012-15	Chris Cheeseman, Ph.D.	Univ. of Alberta	
2012-15	Joseph M. Metzger, Ph.D.	Univ. of Minnesota	
2011-14	Charles E. Wood, Ph.D.	Univ. of Florida Coll. of Med.	
2010-13	Michael Sturek, Ph.D.	Indiana Univ.	
2010-14	Bishr Omary, M.D., Ph.D.	Univ. of Michigan Med. Sch.	Finishing M. Montrose's term; re-elected to full term
2009-12	Patricia E. Molina, M.D., Ph.D.	Louisiana State Univ. Health Sci. Ctr.	
2009-12	Michael B. Reid, Ph.D.	Univ. of Kentucky	
2008-11	Nicholas A. Delamere, Ph.D.	Univ. of Arizona	
2008-10	Marshall H. Montrose, Ph.D.	Univ. of Cincinnati	Elected President-elect
2008-13	T. Richard Nichols, Ph.D.	Georgia Tech Univ.	Finishing G. Sieck's term; re-elected to full term
2007-10	Steven R. Houser, Ph.D.	Temple Univ. Sch. of Med.	
2007-09	Gary C. Sieck, Ph.D.	Mayo Med. Sch.	Elected President-elect
2006-09	Raymond A. Frizzell, Ph.D.	Univ. of Pittsburgh	
2006-09	Muthu Periasamy, Ph.D.	Ohio State Univ.	
2005-08	Susan L. Hamilton, Ph.D.	Baylor Coll. of Med.	
2005-08	R. Clinton Webb, Ph.D.	Med. Coll. of Georgia	
2004-07	Kenneth D. Philipson, Ph.D.	Univ. of California, Los Angeles	
2004-07	Michael L. Jennings, Ph.D.	Univ. of Arkansas for Med. Science	
2004-05	Meredith Bond, Ph.D.	Univ. of Maryland Sch. of Med.	New Councillor position
2003-06	William S. Spielman, Ph.D.	Michigan State Univ.	
2003-06	Joseph C. Dunbar, Ph.D.	Wayne State Univ. Sch. of Med.	
2002-05	D. Neil Granger, Ph.D.	Louisiana State Univ. Med. Ctr.	
2002-03	Nicola C. Partridge, Ph.D.	UMDNJ-RW Johnson Med. Sch.	Finishing P. Cala's term
2002-04	David C. Dawson, Ph.D.	Oregon Health Sciences Univ.	
2001-02	Peter M. Cala, Ph.D.	Univ. of California, Davis	Elected President-elect
2001-03	Michael L. Jennings, Ph.D.	Univ. of Arkansas for Med. Science	New Councillor position
2001-02	Nicola C. Partridge, Ph.D.	UMDNJ-RW Johnson Med. Sch.	Finishing I. Zucker's term
2001-02	Richard N. Bergman, Ph.D.	Univ. of Southern California	Finishing I. Joshua's term

2000-03	Irving H. Zucker, Ph.D.	Univ. of Nebraska Med. Ctr.	Elected President-elect
1999-2002	Irving G. Joshua, Ph.D.	Univ. of Louisville	Elected President in place of P. Wise
1999-2001	Robert E. Fellows, M.D., Ph.D.	Univ. of Iowa	Finishing D. Bers' term
1998-99	Donald M. Bers, Ph.D.	Loyola Univ.	Elected President-elect
1998-99	Irving G. Joshua, Ph.D.	Univ. of Louisville	Finishing W. Dantzler's term
1997-2000	Phyllis M. Wise, Ph.D.	Univ. of Kentucky	Elected President-elect
1997-98	Donald M. Bers, Ph.D.	Loyola Univ.	Finishing A. Taylor's term
1996-98	William H. Dantzler, M.D., Ph.D.	Univ. of Arizona	Elected President-elect
1995-97	Aubrey E. Taylor, Ph.D.	Univ. of South Alabama	Elected Secretary-Treasurer
1994-97	Kenton M. Sanders, Ph.D.	Univ. of Nevada Sch. of Med.	
1994-95	Sandra Sabatini, M.D., Ph.D.	Texas Tech Univ. Hlth. Sci. Ctr.	Finishing L.G. Navar's term
1993-96	James G. Townsel, Ph.D.	Meharry Med. Coll.	
1993-94	Paul De Weer, M.D., Ph.D.	Univ. of Pennsylvania	Finishing A. Scarpa's term
1992-94	L. Gabriel Navar, Ph.D.	Tulane Univ.	Elected President-elect
1991-93	Antonio Scarpa, M.D., Ph.D.	Case Western Reserve Univ.	Elected President-elect
1992-93	James G. Townsel, Ph.D.	Meharry Med. Coll.	Finishing R. Foreman/W. Crill's term
1991-92	Wayne E. Crill, M.D.	Univ. of Washington	Finishing R. Foreman's term; elected President-elect
1990-91	Robert D. Foreman, Ph.D.	Univ. of Oklahoma	Elected Secretary-Treasurer
1989-91	Harel Weinstein, D.Sc.	Mount Sinai Sch. of Med.	Elected President-elect
1988-91	Robert E. Thurber, Ph.D.	East Carolina Univ.	
1988-89	Benjamin Kaminer, M.D.	Boston Univ. Sch. of Med.	Finishing R. Gunn's term
1987-90	Donald J. Marsh, M.D.	Brown Univ.	
1986-88	Robert B. Gunn, M.D.	Emory Univ.	Elected President-elect
1985-88	John J. Spitzer, M.D.	Louisiana State Univ. Health Sci. Ctr.	
1985-87	Allen W. Cowley, Jr., Ph.D.	Med. Coll. of Wisconsin	Finishing D. Frazier's term
1984-85	Donald T. Frazier, Ph.D.	Univ. of Kentucky	Elected Secretary-Treasurer
1983-86	M. Ian Phillips, Ph.D., D.Sc.	Univ. of Florida	
1984-85	Allen W. Cowley, Jr., Ph.D.	Med. Coll. of Wisconsin	Finishing S. Schultz's term
1982-84	Stanley G. Schultz, M.D.	Univ. of Texas, Houston Med. Sch.	Elected President-elect
1981-84	Jimmy D. Neill, Ph.D.	Univ. of Alabama, Birmingham	
1982-83	Stephen H. White, Ph.D.	Univ. of California, Irvine	Finishing E. Masoro's term
1980-82	Edward J. Masoro, Ph.D.	Univ. of Texas HSC at San Antonio	Elected President-elect
1979-82	Joseph P. Gilmore, Ph.D.	Univ. of Nebraska Med. Ctr.	
1978-81	Paul Horowicz, Ph.D.	Univ. of Rochester Med. Sch.	
1977-80	William Van der Kloot, Ph.D.	SUNY Stony Brook	
1976-79	Paul C. Johnson, Ph.D.	Univ. of Arizona	
1975-78	Jack L. Kostyo, Ph.D.	Univ. of Michigan Med. Sch.	
1974-75	W. Francis Ganong, M.D.	Univ. of California, San Francisco	Finishing H. Patton's term
1974-77	Harold G. Hempling, Ph.D.	Med. Univ. of South Carolina	
1973-76	Charles R. Park, M.D.	Vanderbilt Univ. Sch. of Med.	Elected President-elect
1972-74	Harry D. Patton, M.D., Ph.D.	Univ. of Washington	
1973-74	Norman R. Alpert, Ph.D.	Univ. of Vermont Coll. of Med.	Finishing J. Davis' term
1971-73	James O. Davis, M.D., Ph.D.	Missouri Univ.	Elected President-elect
1970-73	Gerhard H. Giebisch, M.D.	Yale Univ.	
1969-72	James B. Preston, M.D.	SUNY Upstate Med. Ctr.	

1968-71	Howard E. Morgan, M.D.	Pennsylvania State Univ.	
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Council of Faculty and Academic Societies (CFAS) (formerly Council of Academic Societies)

3-yr term; 2 Representatives; renewable terms

Year	Name	Institution	Early Term Ending
2015-18	Nicholas A. Delamere, Ph.D.	Univ. of Arizona	
2014-15	Elsa I. Mangiarua, Ph.D.	Marshall Univ. Sch. of Med.	Finishing M. Montrose's term
2012-15	Marshall H. Montrose, Ph.D.	Univ. of Cincinnati	Resigned, became Dean
2011-20	R. Clinton Webb, Ph.D.	Georgia Regents Univ.	
2010-11	Meredith Bond, Ph.D.	Univ. of Maryland Sch. of Med.	Became Dean
2007-10	William S. Spielman, Ph.D.	Michigan State Univ.	
2006-07	Meredith Bond, Ph.D.	Univ. of Maryland Sch. of Med.	Elected President-elect
1997-2012	L. Gabriel Navar, Ph.D.	Tulane Univ.	
1995-2005	Antonio Scarpa, M.D., Ph.D.	Case Western Reserve Univ.	Finishing A. Cowley's term
1991-97	M. Ian Phillips, Ph.D., D.Sc.	Univ. of Florida	
1992-95	Allen W. Cowley, Jr., Ph.D.	Med. Coll. of Wisconsin	Finishing D. Frazier's term plus additional term
1989-92	Donald T. Frazier, Ph.D.	Univ. of Kentucky	
1988-89	Stanley G. Schultz, M.D.	Univ. of Texas, Houston Med. Sch.	Finishing L. Share's term
1987-91	Mordecai P. Blaustein, M.D.	Univ. of Maryland	
1985-87	Leonard Share, Ph.D.	Univ. of Tennessee Coll. of Med.	
1982-85	Howard E. Morgan, M.D.	Pennsylvania State Univ.	
1980-87	W. Francis Ganong, M.D.	Univ. of California, San Francisco	
1980-82	Stephen H. White, Ph.D.	Univ. of California, Irvine	
1980-81	H. Maurice Goodman, Ph.D.	Univ. of Massachusetts Med. Sch.	
1970-71	Daniel C. Tosteson, M.D.	Harvard Med. Sch.	

Public Affairs

3-yr term; renewable terms

Year	Name	Institution	Early Term Ending
1994-96	Mordecai P. Blaustein, M.D.	Univ. of Maryland	
1993-94	Leonard S. Jefferson, Ph.D.	Pennsylvania State Univ. Hershey Med. Ctr.	
1989-93	Charles D. Barnes, Ph.D.	Washington State Univ.	
1981-89	Norman R. Alpert, Ph.D.	Univ. of Vermont Coll. of Med	

Association of ~~Chairmen~~Chairs of Departments of Physiology

Revised ~~11/9/88~~12/01/2018



ASSOCIATION OF ~~CHAIRMAN~~CHAIRS OF DEPARTMENTS OF PHYSIOLOGY

CONSTITUTION

(As amended ~~April 15, 1968~~December, 2018)

ARTICLE I

~~Section 1.~~ The name of this organization shall be the Association of Chair~~men~~ of Departments of Physiology (ACDP)

ARTICLE II

PURPOSES AND OBJECTIVES MISSION

~~Section 1.~~ The purpose and objective of this Association shall be to promote discussion of problems of interest and concern to chair~~men~~, ~~and program directors and those associated with promoting leading the research and teaching missions~~ of physiology departments, ~~programs, and -of-physiology networks.~~

Comment [UJ1]: flexibility to be inclusive of institutions that no longer have a formal department of physiology, but have programs or networks that identify as physiologists.

ARTICLE III

MEMBERSHIP

Section 1. The membership of the Association shall include the chair~~men~~ 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~~Membership will also be open to individuals in other types of institutions ~~or individuals in leadership positions who have with~~ similar responsibilities as those indicated in Section 1.

Section 3. ~~Upon approval of the Council, in~~ In colleges of medicine lacking a Department of Physiology, the administrative officer ~~or program leader~~ of an academic unit responsible for teaching or research in

| the discipline of physiology ~~can be admitted to~~ is eligible for
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~~ six Councilors and the past President. Each Councilor shall ordinarily serve a term of three years. ~~One~~ Two new Councilors 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 President 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.

Comment [UJ2]: Do we want to edit this as it is typically the president that chooses the venue and dates.

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 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.

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MEETINGS

- Section 1. The time and place of the annual meeting and all called meetings shall be determined by the Council.
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- 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, 6120 Executive Boulevard, Suite #600, Rockville, MD 20852-4906
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 or program leader of an academic unit responsible for the discipline of physiology in colleges of medicine lacking a department of physiology,
and
- b.c. chairs of physiology at undergraduate institutions

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 ACDP meetings 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

Comment [UJ1]: What determines that Mexico and Canada are included but not other countries? Would it make sense to open this to international membership? It may have a positive economic impact, and may provide a more diverse forum for discussion. I suggest we discuss this.

Comment [NLG2R1]: I think that the idea to include chairs from Mexico and Canada was to be inclusive of all chairs in North America. It was not meant to exclude others, but we thought that they would just not be interested.

I also think that you need to make further revisions to specifically include chairs from osteopathic medicine and veterinary schools as well as free standing departments.

Formatted: Font: Bookman, 11 pt

Comment [MW3]: Although it is encompassed in (a.) since we are encouraging this type of membership should we add it to our documents?

Comment [NLG4R3]: Just add "including undergraduate departments."

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~~ outside 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, ~~the notice~~ 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-rescheduled 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 ~~of~~ 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

Comment [UJ5]: Confusing.

Comment [NLG6R5]: Much of the verbiage was composed by a lawyer that Mordi Blaustein hired to make sure that the Bylaws were in compliance with the requirements of a 501C organization. Much of it was confusing to me. The Bylaws were approved in 1998 and I was under the impression that we also amended the Constitution but I can't find record of such action.

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~~ 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 of 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~~ 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 Faculty and Academic Societies (“CFAS”) of the Association of American Medical colleges (“AAMC”). The CFAS 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~~ Each committee ~~shall 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.

Comment [UJ7]: Do we have one?

Comment [NLG8R7]: Don't think that we ever got around to officially electing a Director of Public Affairs.

SECTION 12. The Board of Directors shall allow Chairs in good standing to designate a member of the faculty of ~~her or his~~ her or his 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~~ Other officers including a Chair of the Board ~~may be appointed by as~~ the Board of Directors from time to time ~~may consider as~~ necessary for the proper conduct of the business of the Corporation. The President and President-elect shall be elected annually by the ACDP members at the annual meeting of the members. The Secretary/Treasurer shall be elected every three years by the members at the annual ~~member's~~ 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~~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~~In case of ~~her/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 s~~ 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 e~~ 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 [12/2018](#)

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
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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