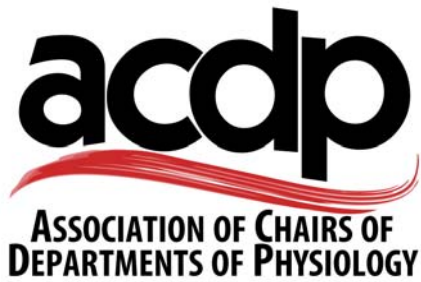


***Association of  
Chairs of  
Departments  
Of Physiology***

***2021 Leadership Retreat  
December 2-5, 2021***



***Renaissance  
Curaçao Resort,  
Willemstad,  
Curaçao***



6120 Executive Boulevard, Suite #600  
Rockville, MD 20852-4906

[acdponline.org](mailto:acdponline.org)

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[www.acdponline.org](http://www.acdponline.org)

## Bon Bini to Curacao!

Greetings and welcome to Curacao for the 2021 (and 2020) ACDP annual leadership retreat. I am sure you will enjoy your stay at the historic Renaissance Hotel at Riff Fort in Willemstad, Curacao. This historic location is the site of a former Dutch fort to protect the inhabitants of the ABC islands from the pirates of Caribbean. Curacao, Aruba and Bonaire comprise the ABC islands, a Dutch Protectorate and part of the Lesser Antilles—just 34 miles off the coast of Venezuela. Curacao is south of the hurricane zone and enjoys nearly perfect weather year-round. The residents of Curacao are fluent in four languages—Dutch, English, Spanish and Papiamentu.

As ACDP President, it is my privilege to welcome you to our 2021 Leadership Retreat in Curacao at the Renaissance Hotel on December 2-5 2021. We have crafted an enticing program that provides insight into different strategies being implemented by leaders in Physiology across institutions. The theme of the 2021 meeting is professional development for Chairs, for faculty and for undergraduate Physiology majors. A workshop on grant writing and scientific presentations about Physiology research in the era of informatics are some of the features of the 2021 meeting. Curacao has many cultural and eco-tourism opportunities for you and your family.

This year the ACDP Distinguished Service Award will be presented to Walter Boron, in recognition of his many years of service to ACDP and the APS as president and council member, and contributions to Physiology education. The most prestigious award given by ACDP is the Arthur Guyton Award which will be awarded to Christy Carter-Su, in recognition of her international renown for her pioneering work on the action of growth hormone.

Each year we welcome new chairs to our group and this year's new chair speakers will each give succinct Ted-Talk style presentations about their work as they embark on their journey as Chairs of Departments of Physiology.

A little bit more about Willemstad to help you get oriented. The Riff Fort is strategically positioned at the entrance to the canal which joins the large inland port "Schottegat". At the opposite end of the canal is Fort Nassau. The canal divides Willemstad into two districts, the Otrobanda and Punda. The hotel and Riff Fort are on the Otrobanda side. Willemstad's Queen Emma Bridge, affectionately known as the "Swinging Old Lady", is one of the oldest and longest pontoon bridges in the world, connecting the Punda and Otrobanda districts of the island's capital. 16 floating pontoon boats support the bridge which at times swings open (using two powerful ship motors) allowing ships to access the port. When you hear a bell ringing, the

### 2020-2021

Dale Buck Hales, President  
Christopher Hardin, President-elect  
Patricia E. Molina, Past-President  
V. Gustavo Blanco, Secretary/Treasurer

Walter F. Boron, Councilor (2021)  
C. Lee Cox, Councilor (2022)  
Gaylen L. Edwards, Councilor (2021)  
Merry L. Lindsey, Councilor (2023)

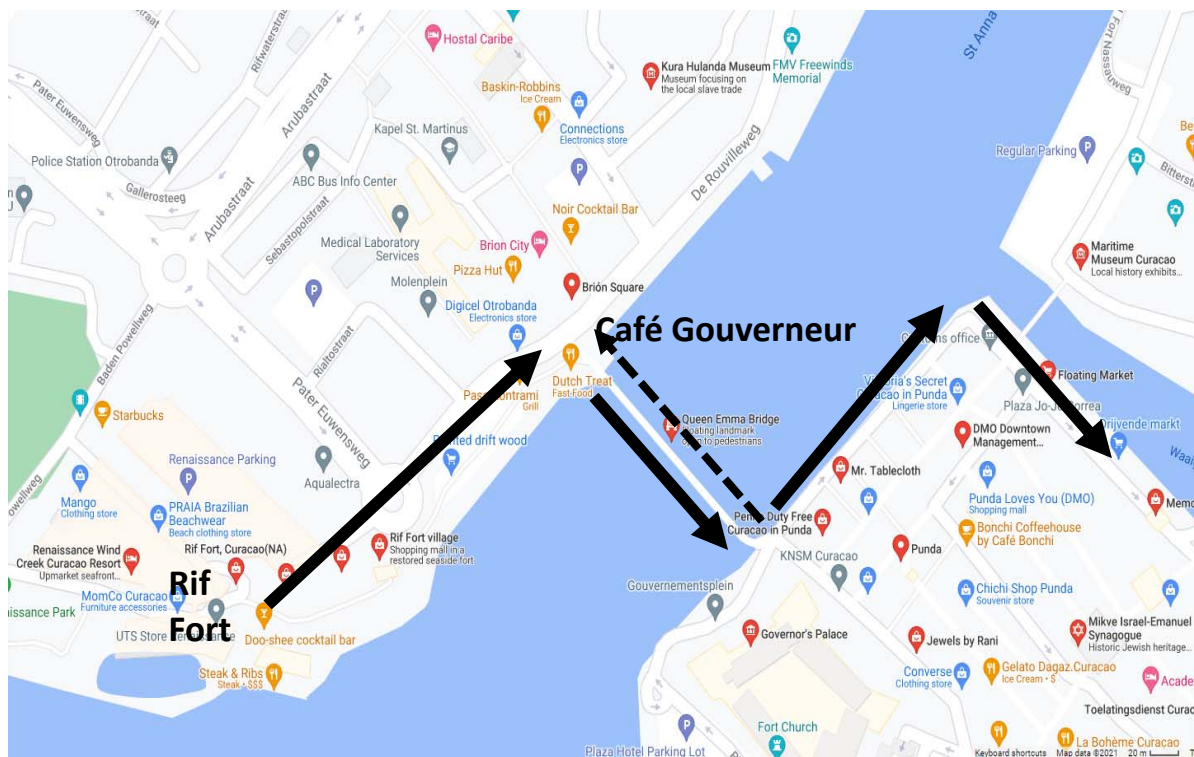
Toni R. Pak, Councilor (2022)  
YS Prakash, Councilor (2023)  
Nicholas A. Delamere, CFAS Rep. (2022)  
Santiago Schnell, CFAS Rep. (2021)

bridge opens and gates are closing, you can then take the ferry across the canal for free! A very nice walk to orient yourself to Willemstad follows De Rouvilleweg promenade north along the canal to the Queen Emma Bridge. Stroll across the bridge and take in the sights of Willemstad's waterfront, which looks like Amsterdam with all its painted buildings. Follow the Playa Pinar along the water, around the bend and discover the floating market along the Waigat canal—with small boats vending fruits and wares often from Venezuela, just 34 miles from the island. Continue on to the amazing Drijvende Market, a large indoor market space with dozens of vendors selling a host of local foods, ingredients and crafts. Then wander the streets of Punda and work your way back to the bridge and cross back over the Otrabanda to a must visit restaurant, the Café Gouverneur. Enjoy casual dining with a view of Willemstad. Then you are almost back to the hotel! So much to do and see just a short walk from the hotel!

Here are a few restaurant's to consider: Café de Tijd (world famous ribs); Poke Food Station (sushi); Mundo Bizarro (Caribbean, seafood); Ginger (Caribbean-Asian fusion); Kome (Caribbean eclectic); Cana Bar & Kitchen (gastropub);

Have a great time in Curacao!

Buck Hales  
President ACDP

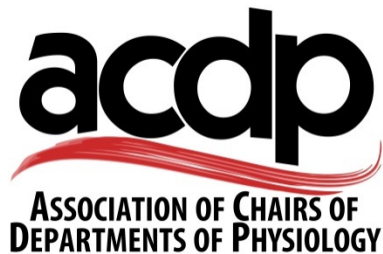


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ACDP Leadership Retreat  
 December 2-5, 2021  
 Renaissance Curaçao Resort  
 Willemstad, Curaçao  
 Program Book

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**Association of Chairs of Departments of Physiology**  
**Physiology Programs Leadership Retreat Agenda**  
**Hotel Renaissance Curaçao**  
**Willemstad, Curaçao**  
**December 2-5, 2021**

Thursday, December 2	
Before 6:00 pm	Arrivals, tours, leisure on your own
1:00 – 4:00 pm	Registration (Pre-function Area)
3:00 – 5:00 pm	ACDP Council Meeting (NOTE: for ACDP officers only) (Boardroom 1)
6:00 – 7:00 pm	Opening Reception (Infinity Terrace)
7:00 – 8:00 pm	Group Dinner
8:00 – 8:30 pm	<b>Welcome and New Chair TED Talks</b> (Ballroom AB)
8:30 – 9:30 pm	<b>Distinguished Service Award Lecture</b> <b>Diffusion of Gases Through Membrane Proteins</b> <b>Walter F. Boron, M.D., Ph.D.</b> <b>Case Western Reserve University</b>

Friday, December 3	
7:00 – 8:30 am	Breakfast
8:30 – 9:30 am	<b>Physiology in the Age of Informatics</b> (Ballroom AB) <b>Donald J. Vander Griend, Ph.D.</b> <b>University of Illinois, Chicago</b>
9:30 – 10:30 am	<b>Five Practices for Exemplary Leadership</b> <b>Sookyung Suh, Ph.D. and Stacy Sattovia, M.D., MBA</b> <b>Center for Human and Organizational Potential (cHOP)</b> <b>Southern Illinois University School of Medicine</b> <ul style="list-style-type: none"> <li>• Introduction to Exemplary Leadership</li> <li>• Organizational Change Management Overview</li> <li>• Communications for Engagement and Encouragement</li> </ul>
10:30 – 10:45 am	Coffee Break
10:45 – 11:30 am	<b>Five Practices for Exemplary Leadership</b> (Cont'd)
11:30 am – Noon	<b>Business Meeting I</b> <ul style="list-style-type: none"> <li>• Financial Report (V. Gustavo Blanco, M.D., Ph.D.)</li> <li>• CFAS Report (Nick Delamere, Ph.D.)</li> <li>• Nominations of Officers</li> </ul>
Noon – 12:15 pm	ACDP Council Meeting (NOTE: for ACDP officers only)
12:15 – 2:00 pm	Lunch

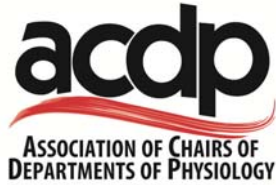
<b>Friday, December 3 (Continued)</b>	
2:00 – 4:00 pm (Optional)	<b><i>Five Practices for Exemplary Leadership</i></b> <b><i>Sookyung Suh, Ph.D. and Stacy Sattovia, M.D., MBA</i></b> <ul style="list-style-type: none"> <li>• <i>Introduction to Coaching and Crucial Conversations</i></li> </ul>
2:00 – 6:30 pm	Afternoon on your own
6:30 – 7:30 pm	<b><i>Arthur Guyton Award Lecture</i></b> <b><i>In Praise of Signal Transduction: Discovery of Pathways Affecting Growth, Obesity and Cancer</i></b> <b><i>Christin Carter-Su, Ph.D.</i></b> <b><i>University of Michigan Medical School</i></b>
7:30– 9:30 pm	Dinner on your own

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

<b>Saturday, December 4</b>	
7:00 – 8:00 am	Breakfast
8:30 – 9:30 am	<b><i>Five Practices for Exemplary Leadership</i></b> <b><i>Sookyung Suh, Ph.D. and Stacy Sattovia, M.D., MBA</i></b> <ul style="list-style-type: none"> <li>• Engaging Undergraduate Students</li> </ul>
9:30 – 10:15 am	<b><i>APS Update</i></b> <b><i>Scott Steen, CAE, FASAE</i></b> <b><i>Executive Director, American Physiological Society</i></b>
10:15 –10:30 am	Coffee Break
10:30 – 10:45 pm	<b><i>New Chair TED Talk</i></b>
10:45 – 11:00 am	<b><i>Business Meeting II</i></b> <ul style="list-style-type: none"> <li>• Election of Officers</li> <li>• 2022 Meeting Information (Chris Hardin, PhD)</li> </ul>
11:00 am – 12:00 pm	<b><i>Commonalities and Tricks of the Trade for Successful Grant Applications</i></b> <b><i>Paul M. Carvey, Ph.D.</i></b> <b><i>Rush University</i></b>
12:00 – 6:30 pm	Lunch and afternoon on your own
6:30 – 7:00 pm	Cocktails* (Rif Fort Wall)
7:00 – 9:00 pm	Meeting Banquet* (Rif Fort Wall)

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

<b>Sunday, December 5</b>	
All Day	Tours, leisure, and departures on your own



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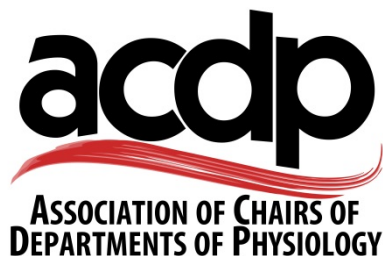


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**ACDP 2021 Annual Leadership Retreat  
Speakers**

***Diffusion of Gases Through Membrane Proteins***

*Distinguished Service Award Lecture*

**Walter F. Boron, M.D., Ph.D.**

Distinguished University Professor  
Myers/Scarpa Professor and Chair  
Department of Physiology & Biophysics  
Case Western Reserve University

***In Praise of Signal Transduction:  
Discovery of Pathways Affecting Growth, Obesity and Cancer***

*Arthur C. Guyton Distinguished Lectureship Award Lecture*

**Christin Carter-Su, Ph.D.**

Anita H. Payne Distinguished University Professor of Physiology  
Henry Sewall Collegiate Professor of Physiology  
Professor of Internal Medicine Research  
Associate Director, Michigan Diabetes Research Center  
University of Michigan Medical School

***Physiology in the Age of Informatics***

**Donald J. Vander Griend, Ph.D.**

Associate Professor  
Department of Pathology  
The University of Illinois at Chicago

***Five Practices for Exemplary Leadership***

**Sookyung Suh, Ph.D.**

Assistant Professor, Medical Education  
Director of Organizational Change Management  
Southern Illinois University School of Medicine

**Stacy Sattovia, M.D., M.B.A.**

Associate Professor of Clinical Medicine  
Medical Director, SIU Office of Continuing Professional Development  
Co-director, Professional Development Pillar, SIU Center for Human and Organizational Potential  
Southern Illinois University School of Medicine

***Commonalities and Tricks of the Trade for Successful Grant Applications***

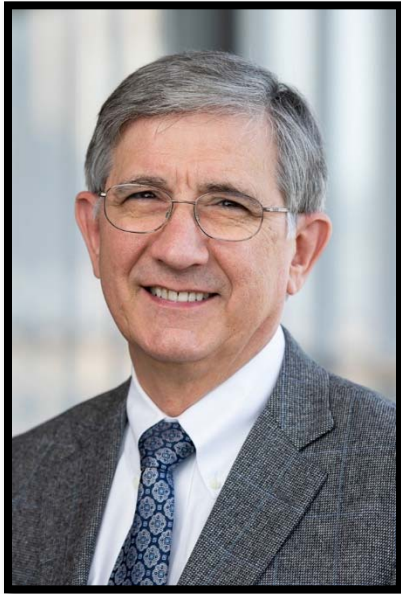
**Paul M. Carvey, Ph.D.**

Professor Emeritus, Departments of Physiology/Biophysics and Neurology  
Former Chair, Department of Pharmacology  
Former Associate Dean, Rush University Medical School  
Former Dean, Rush University Graduate College  
Rush University

***APS Update***

**Scott Steen, CAE, FASAE**

Executive Director  
American Physiological Society



**Walter F. Boron, M.D., Ph.D.**

Distinguished University Professor  
Myers/Scarpa Professor and Chair  
Department of Physiology & Biophysics  
Case Western Reserve University

Walter F. Boron is Distinguished University Professor and Myers/Scarpa Professor and Chair of the Department of Physiology & Biophysics at Case Western Reserve University. He earned his AB summa cum laude in chemistry at Saint Louis University, and his MD and PhD (Physiology & Biophysics) at Washington University in St. Louis. Boron joined Yale University as a postdoctoral fellow with Emile Boulpaep in 1978 and remained there for the next 29 years, serving three terms as Chairman of the Department of Cellular & Molecular Physiology.

In 2007, he returned to his hometown of Cleveland to assume his present position.

Boron developed his life-long interest in acid-base transport and intracellular-pH (pHi) regulation during his PhD studies with Albert Roos (his official mentor), Paul De Weer, and John Russell; and his interest in renal HCO<sub>3</sub><sup>-</sup> transport with postdoctoral mentor Boulpaep. Boron and collaborators described the first example of dynamic pHi regulation, discovered the electrogenic Na/HCO<sub>3</sub> cotransporter (NBCe1), and introduced many of the paradigms used to study pHi regulation. Their cloning of the cDNA encoding NBCe1 led to the identification of numerous related HCO<sub>3</sub><sup>-</sup> transporters. Their invention of out-of-equilibrium CO<sub>2</sub>/ HCO<sub>3</sub><sup>-</sup> solutions led to the discovery of receptor protein tyrosine phosphatase  $\gamma$  (RPTPy) as a molecular sensor of extracellular CO<sub>2</sub> and HCO<sub>3</sub><sup>-</sup> and modulator of acid-base transport. Their encounter with the first CO<sub>2</sub>-impermeable membrane led to the discovery of the first example of a membrane protein with permeability to a dissolved gas. Boron's group currently focuses on three related areas: the molecular physiology of the Na<sup>+</sup>-coupled HCO<sub>3</sub><sup>-</sup> transporters, RPTPy, as well as CO<sub>2</sub> and O<sub>2</sub> channels.

Boron is former President of the American Physiological Society (APS) and former Secretary-General of the International Union of Physiological Sciences (IUPS), as well as former editor-in-chief of two journals, *Physiological Reviews* and *Physiology*. He and Emile Boulpaep co-edit the textbooks *Medical Physiology* and *Concise Medical Physiology*. He is a current Councilor for the ACDP.

Among Boron's accolades are the Pitts Lecture/Award (IUPS, 1993), Gottschalk Lecture/Award (APS, 1998), NIH MERIT Award (2002), an honorary doctorate (Aarhus University, 2014), National Academy of Medicine (2014), Fellow of the APS (2015), and Fenn Lecture (IUPS, 2022).



**Christin Carter-Smith, Ph.D.**

Anita H. Payne Distinguished University  
Professor of Physiology,  
Henry Sewall Collegiate Professor of Physiology,  
Professor of Internal Medicine Research  
University of Michigan Medical School  
Associate Director, Michigan Diabetes Research  
Center

Christin (Christy) Carter-Su started her physiology-oriented research career as an undergraduate at Brown University, where she received an NSF fellowship for mathematical modeling of the glucose homeostasis system after an oral glucose tolerance test. This work resulted in a monograph and honors thesis.

She joined the Biophysics PhD Program at the School of Medicine and Dentistry at The University of Rochester to pursue her interest in biomathematics, but instead became captivated by the ability of molecules to cross cell barriers. Her thesis work with Dr. George Kimmich addressed the role of the membrane potential in active intestinal sugar transport. She joined the laboratory of Dr. Michael Czech at Brown University for postdoctoral studies, where she studied the effect of insulin on glucose transport in adipocytes and contributed to the biochemical identification of insulin-regulated glucose transporters.

Christy was recruited to the faculty of the Physiology Department at the University of Michigan in 1981. She has risen through the academic ranks to her current positions of Anita H. Payne Distinguished University Professor of Physiology, Henry Sewall Collegiate Professor of Physiology, and Professor of Internal Medicine. She has served as Associate Director of the NIH-funded Michigan Diabetes Research Center since 1997.

As an independent investigator, Christy expanded her work on insulin-regulated glucose transport to determine how glucocorticoids and growth hormone (GH) regulate glucose transport in adipocytes. She became intrigued by the question of how GH acts at the level of the cell to bring about its diverse biological effects. This led to her ground-breaking discovery that the initiating step



in GH signal transduction is activation of a GH receptor-associated tyrosine kinase (JAK2) by phosphorylation. This finding was followed by extensive work characterizing the mechanism of GH activation of JAK2, the tyrosine substrates that are phosphorylated by JAK2, the effect of tyrosine phosphorylation on GH action, and the signaling pathways initiated by JAK2 activation.

During the past decade, her lab has focused on the molecular, cellular and whole animal functions of the adapter protein SH2B1, which her lab originally identified as a JAK2 binding protein. Mouse models have demonstrated that SH2B1 is an important regulator of energy balance, a finding supported by the identification of SH2B1 mutations in individuals with severe early onset childhood obesity.

Christy is recognized internationally for her pioneering work on the action of GH, and has received multiple awards for her scientific contributions. She is an exemplary citizen and is known for her tireless efforts to promote the careers of younger colleagues, particularly women and under-represented minorities. These local, national and international efforts have been recognized by several mentoring awards, including APS' foremost mentoring award, the Bodil M. Schmidt-Nielsen Distinguished Mentor and Scientist Award.



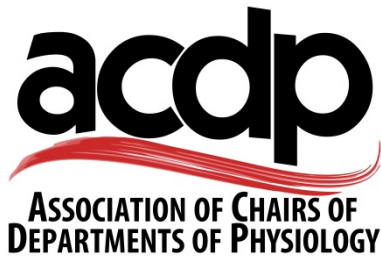
**Donald J. Vander Griend, Ph.D.**

Associate Professor  
Department of Pathology  
The University of Illinois at Chicago

Donald J. Vander Griend received his BS in biology in 1998 from Calvin College (Grand Rapids, MI) and his PhD in Cancer Biology in 2005 from The University of Chicago (Chicago, IL) studying metastasis suppressor genes in prostate cancer. From there he joined the laboratory of Dr. John Isaacs at Johns Hopkins University (Baltimore, MD) to conduct a post-doctoral fellowship in Oncology, Urology, and Chemical Therapeutics. His post-doctoral research focused on prostate stem cells, prostate cancer stem cells, and Androgen Receptor biology in normal prostate development and prostate disease.

His current research program focuses on transcription factors that serve important functions in prostate development, prostate cancer, and benign prostatic hyperplasia (BPH), with the ultimate goal of developing more effective tools for staging and treating prostate cancer and BPH. He is involved in many collaborations, including with investigators at Lawrence Livermore National Labs, The Center for Accelerator Mass Spectrometry; Johns Hopkins University; The University of Chicago; Northwestern University; Northshore University Health System; The University of Washington; The University of Wisconsin, Madison; The University of Minnesota; and Duke University Department of Bioengineering.

In addition, a major focus of his research program and academic career is training and equipping the next generation of young scientists to become leaders and innovators of the future. He's previously taught courses in Cancer Biology and Steroid, Cell Signaling and Reproductive Biology. Further, in during the summer, he used to run sequencing analyses workshops for trainees at the Marine Biology Laboratory in Woods Hole, MA.



## ACDP Speaker Biosketches



### Sookyung Suh, Ph.D.

Assistant Professor, Medical Education  
Director of Organizational Change Management  
Southern Illinois University School of Medicine

Sookyung Suh is an assistant professor in medical education and a director of change management at Southern Illinois University School of Medicine. She is an organizational change management and human performance expert and scholar with two decades of experience researching and implementing organizational change in healthcare providers, life and science, manufacturing, and government. Over ten years, she has served as an organizational change management consulting team leader at large management consulting firms, such as PriceWaterhouseCoopers

(PwC), Dell Services, and BearingPoint. During that time, she was recognized as a trusted advisor and ally and known to create customized change programs and solutions based on clients' needs. Some of her achievements include revamping a program evaluation approach at CDC's public health programs and preventative medicine residency, creating change strategies for global collaboration at PwC, and leading IT transformation efforts at large healthcare providers in the U.S.

Since she joined SIU Medicine in 2018, she has played an integral role in launching the Center for Human and Organizational Potential, co-developing an internationally recognized leadership development program for emerging leaders, and coaching and facilitating strategic planning sessions across SIU School of Medicine. Her research interests are leadership development, change management, and culture changes.

She earned her master's degree in instructional systems and human performance technology from Florida State University and received her Ph.D. in instructional systems from the same institute. She practices leadership development with her two young daughters and dabbles into entrepreneurship by making natural skincare products.



## ACDP Speaker Biosketches



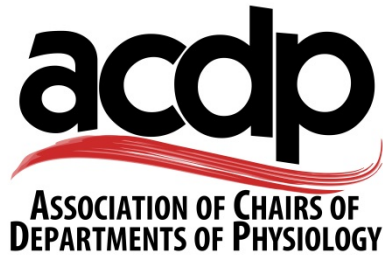
### Stacy Sattovia, M.D., M.B.A.

Associate Professor of Clinical Medicine  
Medical Director, SIU Office of Continuing Professional  
Development  
Co-director, Professional Development Pillar, SIU  
Center for Human and Organizational Potential  
Southern Illinois University School of Medicine

Stacy Sattovia is a hospitalist and associate professor of clinical medicine at Southern Illinois University School of Medicine in Springfield. Born and raised in central Illinois, she attended Illinois Wesleyan University for her undergraduate degree. She attended medical school at SIU School of Medicine and completed an internal medicine residency with chief resident year at University of Iowa Hospital and Clinics. She practices clinically as an academic hospitalist, with an interest in quality and performance improvement. This interest led her to pursue a master's degree in business administration from the University of Illinois in Springfield.

Administratively, she serves as the medical director for the SIU Office of Continuing Professional Development and the co-director of the Professional Development Pillar of the SIU Center for Human and Organizational Potential or cHOP.

A love of food and desire to positively and deliciously impact learners' nutritional knowledge led her to complete the Culinary Medicine Specialist Certification program at Tulane University in the spring of 2019. She has helped to develop a local culinary medicine program at SIU.



## ACDP Speaker Biosketches



### **Scott Steen, CAE, FASAE**

Executive Director

The American Physiological Society

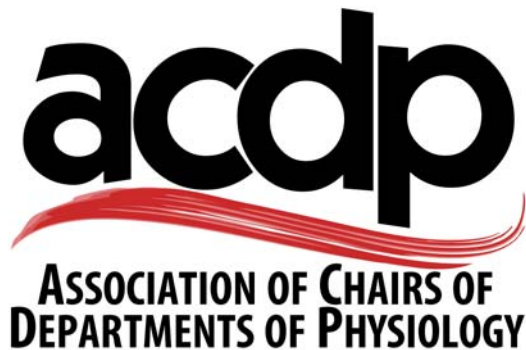
**Scott Steen, CAE, FASAE**, was appointed as the executive director of the American Physiological Society in July of 2018. A global multidisciplinary community of scientists solving the major problems affecting life and health, APS was the first biomedical sciences society in the U.S.

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.



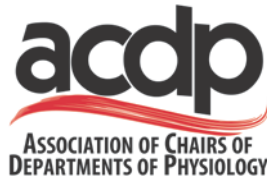


**AGENDA**  
**ACDP Business Meeting I**

**(General membership)**

**December 3, 2021**

- I. Call to order**
- II. Approval of 2019 draft meeting minutes**
- III. Call for names for 2022 Guyton Award Lectureship**  
Submit nominations to Merry Lindsey, YS Prakash, or Chris Hardin
- IV. Call for names for 2022 Distinguished Service Awardee**  
Submit nominations to Chris Hardin
- V. Call for nominations for officer positions (President, Councilors, CFAS Representative)**
- VI. Financial Report (Blanco)**
- VII. CFAS Update (Delamere)**
- VIII. New Business**
  - a. Continue support for Horwitz/Horowitz undergraduate research awards for \$2,100/year for 2022, 2023, 2024**
  - b. Revised Articles of Amendment filed with the State of Maryland and IRS to 1) update ACDP official name, 2) remove names of officers on Articles, and 3) change address on Articles**
  - c. Changes to ACDP Space and Budget Survey – membership survey coming**



**Association of Chairs of Departments of Physiology  
Leadership Retreat  
Antigua, Guatemala  
December 4-8, 2019**

**ACDP Business Meeting I  
Minutes**

**I. Call to Order**

The Business Meeting was convened by President Patricia E. Molina at 11:30 am on December 6, 2019.

**II. Approval of 2018 Draft Meeting Minutes**

The minutes from the 2018 Business Meetings were unanimously approved as submitted.

**III. Call for names for 2019 Guyton Award Lectureship**

Molina requested nominations from the membership for the 2020 Arthur C. Guyton, Jr. Distinguished Award Lectureship. Any nominations should be sent to President-elect D. Buck Hales or second-year Councilors C. Lee Cox and Toni Pak for consideration.

**IV. Call for names for 2020 Distinguished Service Awardee**

Molina also requested that any nominations for the 2020 ACDP Distinguished Service Award be submitted to Hales for consideration.

**V. Call for Nominations for Officer Positions**

A call was made for nominations for President-elect, Secretary-Treasurer, and two open Councilor positions. 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 9:00 am.

**VI. Financial Report**

The financial report was presented by Secretary-Treasurer Elsa Mangiarua, comparing the 2019 year-to-date budget numbers (as of 9/30/19) to 2018 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 decrease of \$24,292. The discrepancy between the two years is because of who handled the meeting. In 2018, meeting costs were not included as Classic Travel paid for them up front because they collected the revenue. In 2019 Helms-Briscoe handled the contract negotiations but doesn't deal with registrations or hotel or travel arrangements so ACDP paid for the costs of the meeting. Membership dues are up by \$500; several additional payments have come in since the report so that

number will be higher. As in previous years, ACDP Connect was used to send out the first two notices. Direct email was used for the remainders of the notices. That will continue to be done for future years. Travel expenses were greater than last year because both CASF Representatives attended the CASF meeting in 2019 instead of just one person in 2018. The Awards budget decreased this year because the donation to support the Horwitz/Horowitz Awards has not been taken out by APS yet. Other changes are because of invoice delays.

## **VII. CFAS Update**

Nicholas Delamere and Santiago Schnell are the current ACDP representative to the Council of Faculty and Academic Societies (CFAS) of the AAMC. Delamere reminded the group of the history of CFAS. It 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. It appears that most Deans appoint younger people to the faculty slots. This leads to general confusion as to why they are there and what they are supposed to be doing. Most societies, ACDP included, remain concerned about the dilution of the societies' voices, although Delamere noted that it appears CFAS may be changing and more relevant to societies again. The other two Councils are the Councils of Deans and of Administrators.

Both Delamere and Schnell attended the spring meeting and reported that the meeting discussions centered on what is happening at medical schools. This year there was a strong focus on basic medical scientists and PhD education was seen as very important to the future of medical schools. The importance of medical education was a focus as well. Also discussed was how to regain public trust in medical sciences.

Gary Sieck pointed out that the timing of the CFAS meeting always coincides with the Experimental Biology Meeting, which means scientists can't attend both. He has written the AAMC President requesting the timing of the CFAS meeting be changed. Delamere noted that the next CFAS meeting is scheduled for February 2020 so there won't be a conflict next year. Information on that meeting will be reported to the ACDP membership via email and at the ACDP meeting scheduled for Experimental Biology.

## **VIII. Update on Undergraduate Education in Physiology Working Group**

Nichols will be part of one of the upcoming workshops at this meeting and it was decided to have him give his update on the Working Group then.

## **IX. New Business**

### **A. New ACDP Website**

ACDP will no longer be hosted by APS. A new location for the website will be identified and the content moved by the end of February. Walter Boron has volunteered to have the website hosted at Case Western Reserve University and Hales, Blanco, and Cox volunteered to assist in determining what content should be moved to the new website.

### **B. Changes to ACDP Space and Budget Survey**

Molina announced that the ACDP Space and Budget Survey will be reviewed and updated this next year. YS Prakash has volunteered to coordinate the effort to determine what new information would be useful to collect and what current information being collected is no longer of use. The 2019 Survey will reflect the updated questions.

### **C. *US News & World Report* Ranking of Departments/Schools**

Schnell reminded the group that there is currently no ranking for Departments of Physiology in the *US News & World Report* list, despite there being a Nobel Prize for Physiology and Medicine. He contacted the editors to ask whether physiology could be included in future rankings. He was told that it would only happen if there were enough requests for it. He asked if ACDP and APS would write letters requesting that physiology be included.

Sieck questioned whether it would be possible to identify physiology departments with many graduate programs in physiology being in Biomedical Science departments. Schnell said he'd be willing to work to facilitate the identification of programs so that all could be included. Boron pointed out that the absence of physiology in the rankings is a travesty and that having it included would be good for the discipline. Schnell was encouraged to work with both organizations to draft a letter to be sent to *US News & World Report*.

The meeting was adjourned at 12:15 pm until the following day.

## **ACDP Business Meeting II Minutes**

### **I. Call to reconvene**

Molina reconvened the business meeting at 9:25 am on December 7, 2019.

### **II. Election of Officers**

The slate of nominees for President-elect, Secretary-Treasurer, and Councilors was announced and the membership voted by secret ballot. Christopher Hardin (Dept. of Nutrition and Exercise Physiology, University of Missouri) was elected President-elect. Gustavo Blanco (Department of Molecular & Integrative Physiology, Kansas University Medical Center) was elected Secretary-Treasurer for a 3-year term. Merry L. Lindsey (Department of Cellular & Integrative Physiology, University of Nebraska Medical Center) and YS Prakash (Department of Anesthesiology, Mayo Clinic) were elected Councilors with terms ending in 2022.

### **III. 2020 ACDP Meeting**

Buck Hales, ACDP President-elect, announced that the 2020 ACDP meeting will be held December 3 – 6, at the Renaissance Curacao Resort and Casino in Rif Fort, Willemstad, Curacao. He gave a slide presentation about the meeting site. He has conducted a successful site visit. Registration will again be through the APS system. Attendees will need to make online hotel reservations and airline reservations on their own.

### **IV. Adjournment**

The meeting was adjourned at 9:40 am.

Respectfully submitted,

Elsa Mangiarua  
Secretary-Treasurer



## ACDP Distinguished Service Awardees










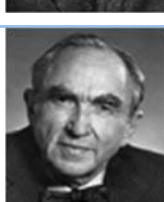





The ACDP Distinguished Service Award is presented annually to someone who has given long and illustrious service to ACDP, physiology as a discipline, and/or the field of science in general.



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.




Year		Name	Year		Name
2021		<b>Walter F. Boron, M.D., Ph.D.</b> Case Western Reserve University School of Medicine	2020	Leadership Retreat Cancelled	
2019		<b>Gary C. Sieck, Ph.D.</b> Mayo Clinic College of Medicine	2018		<b>Celia D. Sladik, Ph.D.</b> University of Colorado, Denver
2017		<b>Hershel Raff, Ph.D.</b> Medical College of Wisconsin	2016		<b>Susan Barman, Ph.D.</b> Michigan State University
2015		<b>John E. Hall, Ph.D.</b> Univ. of Mississippi Medical Center	2014		<b>Michael J. Joyner, M.D.</b> Mayo Clinic
2013		<b>Allen W. Cowley, Jr., Ph.D.</b> Medical College of Wisconsin	2012		<b>Ernest M. Wright, Ph.D., D.Sc.</b> Univ. of California, Los Angeles

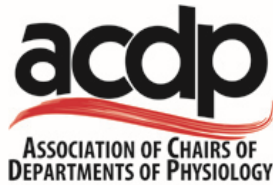
2011		<b>R. John Solaro, Ph.D.</b> Univ. of Illinois, Chicago	2010		<b>John A. Williams, M.D., Ph.D.</b> Univ. of Michigan
2009		<b>Phyllis M. Wise, Ph.D.</b> Univ. of Washington	2008		<b>Irving H. Zucker, Ph.D.</b> Univ. of Nebraska Medical Center
2007		<b>William H. Dantzier, M.D., Ph.D.</b> Univ. of Arizona	2006		<b>Antonio Scarpa, M.D., Ph.D.</b> National Institutes of Health
2005		No awardee - Joint meeting with AAMC	2004		<b>Daniel C. Tosteson, M.D.</b> Harvard Medical School
2003		<b>L. Gabriel Navar, Ph.D.</b> Tulane Univ.	2002		<b>Gabor Kaley, Ph.D.</b> New York Medical College
2001		<b>Mordecai P. Blaustein, M.D.</b> Univ. of Maryland School of Medicine	2000		<b>Paul C. Johnson, Ph.D.</b> Univ. of Arizona School of Medicine
1999		<b>F. Norman Briggs, Ph.D.</b> Medical College of Virginia	1998		<b>Norman R. Alpert, Ph.D.</b> Univ. of Vermont College of Medicine
1997		<b>Carlton C. Hunt, M.D.</b> Washington Univ. School of Medicine	1996		<b>Arthur C. Guyton, M.D.</b> Univ. of Mississippi Medical Center

1995		<b>Aubrey E. Taylor, Ph.D.</b> Univ. of South Alabama College of Medicine	1994		<b>Stanley G. Schultz, M.D.</b> Univ. of Texas, Houston Medical School
1993		<b>Edward J. Masoro, Ph.D.</b> Univ. of Texas Health Science Center at San Antonio	1992		<b>Gerhard H. Giebisch, M.D.</b> Yale Univ.
1991		No Awardee	1990		<b>John T. Shepherd, M.D.</b> Mayo Clinic & Foundation
1989		<b>Walter C. Randall, Ph.D.</b> Loyola Univ. Stritch School of Medicine	1988		<b>William F. Ganong, M.D.</b> Univ. of California, San Francisco
1987		<b>Howard E. Morgan, M.D.</b> Pennsylvania State Univ. Milton S. Hershey Medical Center	1986		<b>Horace Davenport, Ph.D., Sc.D.</b> Univ. of Michigan Medical School
1985		<b>A. Clifford Barger, M.D.</b> Harvard Univ. Medical School	1984		<b>Harry D. Patton, M.D., Ph.D.</b> Univ. of Washington School of Medicine
1983		<b>Ernst Knobil, Ph.D.</b> Univ. of Texas Medical School	1982		<b>Hermann Rahn, Ph.D.</b> Univ. at Buffalo
1981		<b>Robert W. Berliner, M.D.</b> Yale Univ. School of Medicine	1980		<b>George Sayers, Ph.D.</b> Case Western Reserve Univ.

1979		<b>Ewald E. Selkurt, Ph.D.</b> Indiana Univ. School of Medicine	1978		<b>William F. Ganong, M.D.</b> Univ. of California, San Francisco
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## Outstanding Teaching Awardees

Year		Name	Year		Name
1977		<b>C. Ladd Prosser, Ph.D.</b> Univ. of Illinois, Urbana	1976		<b>Robert M. Berne, M.D.</b> Western Reserve Univ.
1975		<b>Arthur C. Guyton, M.D.</b> Univ. of Mississippi	1974		<b>Julius H. Comroe, Jr., M.D.</b> Univ. of California, San Francisco
1973		<b>Maurice Visscher, M.D., Ph.D.</b> Univ. of Minnesota	1972		<b>Robert F. Pitts, M.D., Ph.D.</b> Cornell Univ.








## Arthur C. Guyton Distinguished Lectureship Awardees

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.

Year		Name	Title of Presentation
2021		<b>Christin Carter-Su, Ph.D.</b> Univ. of Michigan Medical School	<i>In Praise of Signal Transduction: Discovery of Pathways Affecting Growth, Obesity and Cancer</i>
2020		<b>Leadership Retreat Cancelled</b>	
2019		<b>John E. Hall, Ph.D.</b> Univ. of Mississippi Medical School	<i>Obesity, Hypertension and Kidney Dysfunction</i>
2018		<b>Frank W. Booth, Ph.D.</b> Univ. of Missouri	<i>Maximal Aerobic Training: An Ultimate Integration of Genes and Systems While Maintaining Homeostatic Harmony</i>
2017		<b>R. John Solaro, Ph.D.</b> Univ. of Illinois, Chicago	<i>Sarcomere Signaling and Guyton's Analysis of Cardiac Output Regulation</i>
2016		<b>Monika R. Fleshner, Ph.D.</b> Univ. of Colorado, Boulder	<i>The Neurobiology and Physiology of Exercise-Induced Stress Robustness</i>



2015		<b>Leslie A. Leinwand, Ph.D.</b> Univ. of Colorado, Boulder	<i>Redefining Snake Oil: Translating Python Biology to Mammalian Hearts</i>
2014		<b>Gordon S. Mitchell, Ph.D.</b> Univ. of Florida (formerly Univ. of Wisconsin, Madison)	<i>Harnessing Intermittent Hypoxia-induced Spinal Motor Plasticity: Breathing and Walking After Spinal Injury</i>
2013		<b>José Jalife, M.D.</b> Univ. of Michigan	<i>Searching For The Holy Grail: Upstream Therapy To Prevent Atrial Fibrillation Progression</i>
2012		<b>Irena Levitan, Ph.D.</b> Univ. of Illinois at Chicago	<i>Cholesterol Regulation of K<sup>+</sup> Channels: From Biophysics to Vascular Biology</i>
2011		<b>Paul A. Welling, M.D.</b> Univ. of Maryland	<i>Potassium Channels Find Their Way in Membrane Traffic</i>
2010		<b>Ferid Murad, M.D., Ph.D.</b> Univ. of Texas, Houston	<i>Discovery of Nitric Oxide and Cyclic GMP in Cell Signaling and Their Role in Drug Development</i>
2009		<b>Helen H. Hobbs, M.D.</b> Univ. of Texas Southwestern Medical Center	<i>Genetic Protection Against Diseases of Dietary Excess</i>
2008		<b>Eric Olson, Ph.D.</b> Univ. of Texas Southwestern Medical Center	<i>Micro RNA, Heart Development and Disease</i>

2007



**H. Lee Sweeney, Ph.D.**  
Univ. of Pennsylvania

*Characterization of Myosin Super family and  
Pharmacological Strategies for the Treatment of  
Duchenne Muscular Dystrophy*



*Association of Chairs of Departments of Physiology  
Revenue and Expenses and Changes in Net Assets  
Year to Date as of September 30, 2021*

	<b>2021 YTD</b>			<b>Totals at 9/30/20</b>	<b>Incr/(Decr)</b>
	<b>Annual Meeting</b>	<b>General</b>	<b>Totals at 9/30/21</b>		
<b>Revenue:</b>					
Dues Income	\$ -	\$ 19,250	\$ 19,250	\$ 14,500	\$ 4,750
Contributions	-	-	-	-	-
Interest Income	-	7	7	1	6
<b>Total Revenue</b>	-	19,257	19,257	14,501	4,756
<b>Expenses:</b>					
Professional Fees	-	1,667	1,667	1,667	-
Supplies	-	216	216	173	43
Credit Card Processing Fees	-	486	486	362	124
Travel	-	250	250	1,324	(1,074)
Meeting Expenses	-	-	-	5,313	(5,313)
Dues Expense - Associations	-	580	580	-	580
Awards	-	2,100	2,100	2,100	-
Miscellaneous (PMIG Conf support)	-	-	-	-	-
<b>Total Expenses</b>	-	5,299	5,299	10,939	(5,640)
<b>Net Revenue/(Expenses)</b>	-	13,958	13,958	3,562	10,396
<b>Net Assets, Beginning of Year</b>			72,228	69,207	3,021
<b>Net Assets, End of Period</b>			\$ 86,186	\$ 72,769	\$ 13,417

2020 Barbara A. Horwitz and John M. Horowitz Research Awardees

**Amal Altaf**

*University of Arizona, College of Medicine, Phoenix*

**Juan Sebastian Arroyave**

*Emory University, Atlanta, Ga.*

**Lucas Barrett**

*University of Kentucky, Lexington*

**Jordan Bird**

*Mount Royal University, Calgary, Canada*

**Anthony Bishay**

*University of California, Riverside*

**Morgan Colling**

*California Polytechnic State University, San Luis Obispo*

**Faith Donner**

*Benedictine University, Lisle, Ill.*

**Emily Ducaji**

*Mayo Clinic, Rochester, Minn.*

**Ariana Julia Gayban**

*University of Nevada, Reno*

**Winston Guo**

*University of Minnesota, Minneapolis*

**Mahpara Hasan**

*Carnegie Mellon University, Pittsburgh, Pa.*

**Olivia Heeb-Wade**

*Bridgewater College, Bridgewater, Va.*

**Toure Jones**

*Emory University, Atlanta, Ga.*

**Yuliia Kashyrina**

*Howard Community College, Columbia, Md.*

**Gillian Kelly**

*Tripler Army Medical Center, Honolulu, Hawaii*

**Jayachandra Kura**

*University of Florida, Gainesville*

**Serafino LaGalbo**

*University of Dayton, Ohio*

**Zachary Lichter**

*Penn State University, Hershey, Pa.*

**Ben Martin**

*University of Iowa, Iowa City*

**Kathlyene Montgomery**

*Nationwide Children's Hospital, Columbus, Ohio*

**Emily Peters**

*University of Arizona, Tucson*

**Caroline Ramous**

*University of Utah, Salt Lake City*

**Emilio Roig**

*University of Florida, Gainesville*

**Ismail Sayeedi**

*Benedictine University, Lisle, Ill.*

**Katherine Senese**

*University of Wisconsin, Madison*

**Caleb Smith**

*Messiah College, Mechanicsburg, Pa.*

**Christina Vo**

*Mayo Clinic, Rochester, Minn.*

**Madison Webb**

*University of Kentucky, Lexington*

**Jane Yap**

*Mayo Clinic, Rochester, Minn.*

**Ting-Chieh Yen**

*Michigan State University, East Lansing*

**Rebecca Zlatkin**

*University of Miami*

2021 Barbara A. Horwitz and John M. Horowitz Research Awardees

**Mackenzie Berschel**

*University of Iowa , Iowa City*

**Kassandra Crissman**

*Louisiana State University, Baton Rouge*

**Sundus Ghuneim**

*University of Kentucky, Lexington*

**Ginger Guthrie**

*University of Alabama, Birmingham*

**Nikola Ivanovski**

*Hospital for Sick Children Ajax, Ontario, Canada*

**Clayton Ivie**

*University of Missouri, Columbia*

**Manoj Jagadeesh**

*Oklahoma State University, Stillwater*

**Sahana Krishna Kumaran**

*University of Oregon, Eugene*

**Soumya Kulkarni**

*University of Michigan, Ann Arbor*

**Carissa Loeper**

*University of Wisconsin, Madison*

**Lauren Maier**

*University of Alberta Edmonton, Alberta, Canada*

**Sophie Osada**

*Appalachian State University, Boone, NC*

**Michael Pyevich**

*University of Iowa - Iowa City*

**Teryn Railey**

*Tougaloo College, Tougaloo, MS*

**Harini Srinivasan**

*University of Utah School of Medicine , Salt Lake City*

**Rachel Szeghy**

*Appalachian State University, Boone, NC*

**Niklaus Zeller**

*University of Wisconsin, Madison*

# ARTICLES OF AMENDMENT

for a

**MARYLAND** NONSTOCK **CORPORATION**  
(1)


(2) Association of Chairmen of Departments of Physiology, Inc.,  
a Maryland corporation, certifies to the State Department of Assessments and Taxation of Maryland that the charter of the corporation shall be and hereby is amended as follows:


- (3) 1. Change the name of the corporation from Association of Chairmen of Departments of Physiology to Association of Chairs of Departments of Physiology, Inc.
2. Remove the names of directors from Articles: Mordecai P. Blaustein, M.D., R. John Solaro, Ph.D., Paul J. De Weer, M.D., Ph.D., Aubrey E. Taylor, Ph.D., Antonio Scarpa, M.D., Ph.D., Donald M. Bers, Ph.D., William H. Dantzler, M.D., Ph.D., and Phyllis M. Wise, Ph.D.
3. Change the address of the Association from The Department of Physiology, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD 21201 to 6120 Executive Blvd., Suite 600, Rockville, MD 20852-4906

This amendment of the charter of the corporation has been approved by

(4) Association of Chairmen of Departments of Physiology, Inc.'s board of directors

The undersigned acknowledges that this is an act of the above-named corporation, and verifies, under the penalties for perjury, that the matters and facts stated herein, which require such verification, are true and accurate, to the best of his/her knowledge, information, and belief.

(5)  PRESIDENT ACDP  
ATTESTED TO BY (signature/title)

(5)   
SIGNED BY (signature/title)  
Title: Past President ACDP

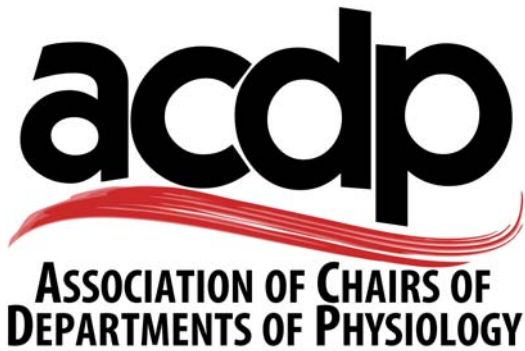
(6) Return address of filing party:

ACDP

6120 Executive Boulevard, Suite 600

Rockville, MD 20852



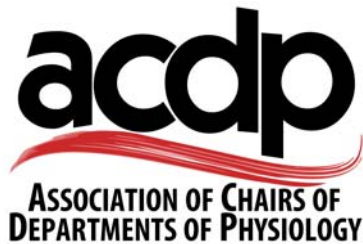


**AGENDA  
ACDP Business Meeting II**

**(General membership)**

**December 4, 2021**

- I. Call to re-convene**
- II. Election of 2021-2022 Officers**
- III. 2022 ACDP Meeting Plans (Chris Hardin)**
- IV. Adjournment**



(9/21/2020)

## ACDP 2019-2021 Officers

### **President (Term ends 2021)**

Dale Buck Hales, Ph.D.  
Department of Physiology  
Southern Illinois Univ. Sch. of Med.  
Life Science II, Room 27 (M/C 6512)  
1125 Lincoln Drive  
Carbondale, IL 62901  
Phone: 618-453-1544  
Email: [dhales@siumed.edu](mailto:dhales@siumed.edu)

### **Past President (Term ends 2021)**

Patricia E. Molina, M.D., Ph.D.  
Department of Physiology  
Louisiana State Univ. Hlth. Sci. Center  
1901 Perdido Street  
New Orleans, LA 70112-1393  
Phone: 504-568-6171  
Email: [pmolin@lsuhsc.edu](mailto:pmolin@lsuhsc.edu)

### **Councilor (Term ends 2021)**

Walter F. Boron, M.D., Ph.D.  
Dept. Physiology & Biophysics  
Case Western Reserve Univ. Sch of Med  
10900 Euclid Ave.  
Cleveland, OH 44106-4970  
Phone: 216-368-3400  
Email: [walter.boron@case.edu](mailto:walter.boron@case.edu)

### **President-elect (Term ends 2021)**

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](mailto:hardinc@missouri.edu)

### **Secretary-Treasurer (Term ends 2023)**

V. Gustavo Blanco, M.D., Ph.D.  
Dept. of Molec. & Integrative Physiology  
Kansas Univ. Medical Center  
3901 Rainbow Blvd.-Mail Stop 3043  
Kansas City, KS 66061  
Phone: 913-588-7400  
Email: [gblanco@kumc.edu](mailto:gblanco@kumc.edu)

### **Councilor (Term ends 2022)**

C. Lee Cox, Ph.D.  
Department of Physiology  
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## **ACDP Officers (Cont'd)**

### **Councilor (Term ends 2021)**

Gaylen L. Edwards, D.V.M., Ph.D.  
Dept. of Physiology & Pharmacology  
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College of Veterinary Medicine, Rm. 2223  
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### **Councilor (Term ends 2022)**

Toni R. Pak, Ph.D.  
Department of Cell & Molecular Physiology  
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Maywood, IL 60153  
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### **CFAS Representative (Term ends 2022)**

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### **Executive Assistant**

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### **Councilor (Term ends 2023)**

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### **Councilor (Term ends 2023)**

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### **CFAS Representative (Term ends 2021)**

Santiago Schnell, D.Phil.  
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University of Michigan Medical School  
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Ann Arbor, MI 48109-5622  
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## Past Officers of ACDP

### ACDP Presidents

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

Year	Name	Institution	Early Term Ending
2020-22	Christopher Hardin, Ph.D.	University of Missouri	Term extended due to Covid
2019-21	D. Buck Hales, Ph.D.	Southern Illinois Univ. Sch. of Med.	Term extended due to Covid
2018-20	Patricia E. Molina, M.D., Ph.D.	Louisiana State Univ. Hlth. Sci. Ctr.	Term extended due to Covid
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. Dantzer, 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**

<b>Year</b>	<b>Name</b>	<b>Institution</b>	<b>Early Term Ending</b>
2019-23	V. Gustavo Blanco	Kansas Univ. Med. Ctr.	Term extended due to Covid
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**

<b>Year</b>	<b>Name</b>	<b>Institution</b>	<b>Early Term Ending</b>
2019-23	Merry L. Lindsey	Univ. of Nebraska Med. Ctr.	Term extended due to Covid
2019-23	YS Prakash	Mayo Clinic	Term extended due to Covid
2018-22	C. Lee Cox, Ph.D.	Michigan State Univ.	Term extended due to Covid
2018-22	Toni R. Pak, Ph.D.	Loyola Univ. Chicago	Term extended due to Covid
2017-21	Walter F. Boron, M.D., Ph.D.	Case Western Reserve Univ. Sch. Med.	Term extended due to Covid
2017-21	Gaylen L. Edwards, D.V.M., Ph.D.	Univ. of Georgia Coll. Vet. Med.	Term extended due to Covid
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.	

**Council of Faculty and Academic Societies (CFAS) (formerly Council of Academic Societies)**

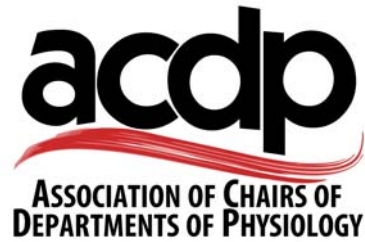
**3-yr term; 2 Representatives; renewable terms**

<b>Year</b>	<b>Name</b>	<b>Institution</b>	<b>Early Term Ending</b>
2018-21	Santiago Schnell, D.Phil	Univ. of Michigan Sch. Med.	Finishing C. Webb's term; resigned 8/21 as accepted Deanship
2015-23	Nicholas A. Delamere, Ph.D.	Univ. of Arizona	Term extended due to Covid
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
2011-18	R. Clinton Webb, Ph.D.	Georgia Regents Univ.	Resigned
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**

<b>Year</b>	<b>Name</b>	<b>Institution</b>	<b>Early Term Ending</b>
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 CHAIRS OF DEPARTMENTS OF PHYSIOLOGY**

### **CONSTITUTION**

(As amended December 01, 2018)

#### **ARTICLE I**

The name of this organization shall be the Association of Chairs of Departments of Physiology (ACDP)

#### **ARTICLE II**

##### **MISSION**

The mission of this Association shall be to promote discussion of problems of interest and concern to chairs\* and those associated with promoting the research and teaching missions of departments of physiology.

\*The term "chairs" will herein be defined as inclusive of chairs of departments and leaders of academic units responsible for the research and teaching in the discipline of physiology.

#### **ARTICLE III**

##### **MEMBERSHIP**

- Section 1. The membership of the Association shall include the chairs of departments and programs promoting the discipline of physiology in accredited schools of higher education.
- Section 2. Membership will also be open to individuals in other types of institutions who have similar responsibilities as those indicated in Section 1.
- Section 3. In colleges lacking a Department of Physiology, the administrative officer of an academic unit responsible for the discipline of physiology can be admitted to membership.

## **ARTICLE IV**

### **OFFICERS AND COUNCIL**

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

## **ARTICLE V**

### **MEETINGS**

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

## **ARTICLE VI**

### **QUORUM**

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

## **ARTICLE VII**

### **CHARTER MEMBERS**

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**

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.

**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. Upon approval of the Board of Directors, membership will also be open to:

- a. individuals in other types of institutions who have similar responsibilities, \
- b. the administrative officer or program leader of an academic unit responsible for the discipline of physiology in colleges lacking a department of physiology, and
- 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 their designees) 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 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. 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 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 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. If at any meeting less than a quorum shall be present, a majority of those present may adjourn the meeting from time to time. 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. 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 three (3) years.

**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 shall 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 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. Other officers including a Chair of the Board may be appointed by the Board of Directors from time to time 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. 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. In case of her/his 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/her possession or under his/her 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. 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. 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 a 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