



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

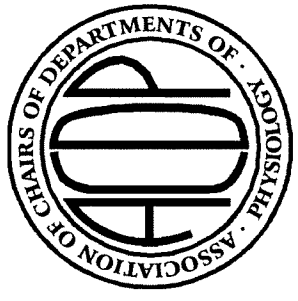
2011 Annual Retreat

December 1 - 4, 2011

**Playacar Palace Resort
Playa del Carmen, Mexico**



Welcome



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

November 17, 2011

Dear Attendees:

As President of ACDP for 2011, I want to welcome you to our annual ACDP Retreat in Cancun, Mexico, at the Playacar Palace Resort, <http://www.playacarpalace.com>. The resort offers a stunning view of the Caribbean and Cozumel Island and a variety of extracurricular activities.

This year a central focus of our meeting will be related to pipeline, training and career development issues. On Friday, Bill Joyner, Professor and Chair at East Tennessee State University, will discuss his activities engaging youth in physiology with the goal to combat obesity and prevent subsequent health risks in our youth. Next, Phil Clifford, Associate Dean of the Graduate School of Biomedical Sciences at the Medical College of Wisconsin, will discuss postdoctoral training. On Saturday, Merideth Hay, former Provost at the University of Arizona and currently Special Advisor to the Chair of the Arizona Board of Regents, will discuss faculty mentoring and career development. Then we will hear from Bill Jackson, Professor at Michigan State University, regarding activities of the National Directors of Graduate Studies (NDOGS).

We will also have presentations from two chairs who are now serving in an interim capacity. On Friday, David Kreulen, Professor and Interim Chair at Michigan State University, will discuss neural control of veins in hypertension. On Saturday, Jay Dean, Professor and Interim Chair at the University of South Florida, will discuss neuroprotection against CNS oxygen toxicity.

This year the Guyton Lecture will be presented by Paul Welling who is a Professor of Physiology at the University of Maryland Medical School. Paul's research explores the molecular bases of inherited disorders of membrane transport, so-called "channelopathies" or "transporteropathies."

In addition, Joe LaManna, President of FASEB, will touch base on the challenging times ahead for us at the national level, and Joey Granger, APS President, will provide updates on APS activities.

This year we are very pleased that John Solaro from the University of Illinois at Chicago will be recognized with the Distinguished Service Award at our Gala Dinner Banquet on Saturday night.

I think you will find the list of speakers both enjoyable and informative. I look forward to spending time with you in Playa del Carmen, Mexico.

Sincerely,

Gary C. Sieck, Ph.D.
President

2010-2011

Gary C. Sieck, President
Marshall H. Montrose, President-elect
R. Clinton Webb, Past-President
Susan DeMesquita, Secretary/Treasurer

Nicholas A. Delamere, Councilor (2011)
Patricia E. Molina, Councilor (2012)
T/ Richard Nichols, Councilor (2013)
Bishr Omary, Councilor (2011)

Michael B. Reid, Councilor (2012)
Michael Sturek, Councilor (2013)
Meredith Bond, CAS Representative (2013)
L. Gabriel Navar, CAS Representative (2011)

Agenda



ACDP Meeting December 1-4, 2011
Playacar Palace Resort
Playa del Carmen, Mexico

Program

Thursday, December 1, 2011

1:00 – 5:00 p.m. Registration
Luna Lounge

4:00 – 5:00 p.m. Executive Council Meeting I
Riviera 1

7:00 – 10:00 p.m. Welcome Reception
North Solarium

Friday, December 2, 2011

7:00 – 8:30 a.m. Breakfast - Reserved seating in Momonohana Restaurant

8:30 a.m. Registration
Outside of Riviera meeting room

Meeting Room – Riviera 3,4,5,6

8:30 a.m. Welcome –

8:45 – 9:30 a.m. Bill Joyner, Ph.D.
*An Epidemic, Childhood Obesity: Physical Activity With Go Trybe
As Part of the Solution!*

9:30 – 10:15 a.m. Philip S. Clifford, Ph.D.
Postdoctoral training: Qué es y qué debe ser?

10:15 – 10:45 a.m. Coffee Break (refreshments available)

10:45 – 11:30 a.m. David Kreulen, Ph.D.
Neural Control of Veins in Hypertension

11:30 – 1:00 p.m. Lunch - Reserved seating in Momonohana Restaurant

1:00 – 2:00 p.m. Paul Welling, M.D. - Guyton Lecture
Potassium Channels Find Their Way in Membrane Traffic

2:00 – 2:45 p.m. Business Meeting I

3:00 – 3:15 p.m. Executive Council Meeting II

Dinner on your own

Saturday, December 3, 2011

7:00 – 8:30 a.m. Breakfast - Reserved seating in Momonohana Restaurant

Meeting Room – Riviera 3.4.5.6

8:30 – 9:30 a.m. Meredith Hay, Ph.D. – Young Career Development
Mentoring and career development strategies for faculty

9:30 – 10:00 a.m. William Jackson, Ph.D.
*NDOGS 2011: A Successful Collaboration Between Physiologists
and Pharmacologists*

10:00 – 10:30 a.m. Coffee break (refreshments available)

10:30 – 11:15 a.m. Joseph LaManna, Ph.D. - President FASEB
Challenging Times Ahead

11:15 – 12:00 noon Business Meeting II

12:00 – 1:30 p.m. Lunch - Reserved seating in Momonohana Restaurant

1:30 – 2:15 pm Jay Dean, Ph.D. - Interim Chair Scientific Talk
*Diving into Uncharted Waters: Life as an Interim Chair and
Hyperbaric Physiologist (Insights on neuroprotection against CNS
oxygen toxicity)*

2:15 – 2:45 pm R. John Solaro, Ph.D.
Tipping Points in a Scientific Life

2:45 – 3:15 pm Joey Granger, Ph.D. - APS President
Update on APS Activities

5:30 – 6:30 p.m. Gala Cocktail Hour
Cielo Terrace

7:00 p.m. Gala Dinner Banquet
South Solarium

- Distinguished Service Award-R. John Solaro, Ph.D.

Sunday, December 4th (ON YOUR OWN-DEPARTURE)

Officers

ACDP 2010-2011 Officers

President (Term ends 2011)

Gary Sieck, Ph.D.
Dept. of Physiology and Biomedical Engin.
Mayo Clinic College of Medicine
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Rochester, MN 55905
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Email: sieck.gary@mayo.edu

President-elect (Term ends 2011)

Marshall H. Montrose, Ph.D.
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Phone: 513-558-5636
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Past President (Term ends 2011)

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Dept. of Physiology
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Secretary-Treasurer (Term ends 2013)

Susan DeMesquita, Ph.D.
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E-mail: sdemesquita@aucmed.edu

Councilor (Term ends 2011)

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Councilor (Term ends 2013)

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Councilor (Term ends 2012)

Patricia E. Molina, M.D., Ph.D.
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Councilor (Term ends 2011)

Bishr Omary, M.D., Ph.D.
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Email: mbishr@umich.edu

ACDP Officers (Cont'd)

Councilor (Term ends 2013)

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Fax: 317-274-3318
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Councilor (Term ends 2012)

Michael B. Reid, Ph.D.
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CAS Representative (Term ends 2013)

Meredith Bond, Ph.D.
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CAS Representative (Term ends 2011)

L. Gabriel Navar, Ph.D.
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Executive Assistant

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Past Officers of ACDP

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

2011-12	Marshall (Chip) Montrose	University of Cincinnati
2010-11	Gary Sieck	Mayo Medical School
2009-10	R. Clinton Webb	Medical College of Georgia
2008-09	Meredith Bond	University of Maryland, Baltimore
2007-08	Nicola C. Partridge	UMDNJ-RW Johnson Medical School
2006-07	William S. Spielman	Michigan State University
2005-06	Richard N. Bergman	University of Southern California
2003-05	Peter M. Cala	University of California, Davis
2002-03	Irving H. Zucker	University of Nebraska
2001-02	Irving G. Joshua	University of Louisville
2001	Phyllis M. Wise	(resigned as President-elect, took position as Dean)
2000-01	Donald M. Bers	Loyola University
1999-2000	William H. Dantzer	University of Arizona
1998-99	R. John Solaro	University of Illinois at Chicago
1997-98	Mordecai P. Blaustein	University of Maryland
1996-97	Paul De Weer	University of Pennsylvania
1995-96	L. Gabriel Navar	Tulane University
1994-95	Robert D. Foreman	University of Oklahoma
1994-95	Antonio Scarpa	Case Western Reserve University
1993-94	Wayne E. Crill	University of Washington
1992-93	Harel Weinstein	Mount Sinai School of Medicine
1991-92	Donald J. Marsh	Brown University
1990-91	Allen W. Cowley, Jr.	Medical College of Wisconsin
1989-90	Robert B. Gunn	Emory University
1988-89	Donald T. Frazier	University of Kentucky
1987-88	M. Ian Phillips	
1986-87	Stephen H. White	
1985-86	Stanley G. Schultz	
1984-85	George A. Hedge (replaced Stephen White who was unable to serve as President)	
1983-84	Edward J. Masoro	
1982-83	F. Norman Briggs	
1981-82	Franklyn G. Knox	
1980-81	Paul C. Johnson	
1979-80	Jack L. Kostyo	
1978-79	Leonard Share	
1977-78	Charles R. Park	
1976-77	W. F. Ganong	
1975-76	Howard E. Morgan	
1974-75	Norman R. Alpert (replaced James O. Davis who resigned as President-elect)	
1973-74	James B. Preston	
1972-73	E. B. Brown, Jr.	
1971-72	Ewald E. Selkurt	

1970-71 Robert M. Berne
1969-70 Ernst Knobil

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

Michael Sturek (2010-13)	finishing Chip Montrose's term
Bishr Omary (2010-11)	
Patricia E. Molina (2009-12)	
Michael B. Reid (2009-12)	
Nicholas A. Delamere (2008-11)	
Marshall H. Montrose (2008-10)	
T. Richard Nichols (2008-13)	elected President
Steven R. Houser (2007-10)	finishing Gary Sieck's term; re-elected to full term
Gary Sieck (2007-09)	elected President
Raymond A. Frizzell (2006-09)	
Muthu Periasamy (2006-09)	
Susan L. Hamilton (2005-08)	
R. Clinton Webb (2005-08)	
Kenneth D. Philipson (2004-07)	
Michael L. Jennings (2004-07)	
Meredith Bond (2004-05)	new Councillor position
William S. Spielman (2003-06)	
Joseph C. Dunbar (2003-06)	
D. Neil Granger (2002-05)	Finishing Peter Cala's term
Nicola C. Partridge (2002-03)	
David C. Dawson (2002-04)	
Peter M. Cala (2001-02)	elected to President-elect
Michael Jennings (2001-03)	new Councillor position
Nicola Partridge (2001-03)	finishing Irving Zucker's term
Richard Bergman (2001-02)	finishing Irving Joshua's term
Irving Zucker (2000-03)	elected to President-elect
Irving G. Joshua (1999-2002)	elected to President in place of Phyllis Wise
Robert E. Fellows (1999-2001)	finishing Donald Bers' term
Donald Bers (1998-99)	elected to President-elect
Irving G. Joshua (1998-99)	finishing William Dantzler's term
Phyllis M. Wise (1997-2000)	elected to President-elect
Donald Bers (1997-98)	finishing Aubrey Taylor's term
William H. Dantzler (1996-98)	elected to President-elect
Aubrey E. Taylor (1995-97)	elected to Secretary-Treasurer
Kent Sanders (1994-97)	
Sandra Sabatini (1994-95)	finishing Gabby Navar's term
James G. Townsel (1993-96)	
Paul De Weer (1993-94)	finishing Antonio Scarpa's term
L. Gabriel Navar (1992-94)	elected to President-elect
Antonio Scarpa (1991-93)	elected to President-elect
James G. Townsel (1992-93)	finishing Robert Foreman/Wayne E. Crill's term

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

Secretary-Treasurers (3-year term; renewable)

2010-2013	Susan DeMesquita	elected to President-elect
2007-2010	Chris Cheeseman	
2004-2007	Richard L. Moss	
2002-2004	Philip M. Best	
1997-2001	Aubrey E. Taylor	
1994-1997	R. John Solaro	elected to President-elect
1991-1994	Robert D. Foreman	
1989-1991	Douglas G. Stuart	
1988-1989	Allen W. Cowley, Jr.	elected to President-elect
1985-1987	Donald T. Frazier	(replacing Lowell Stone who deceased)

1984 H. Lowell Stone
1981-1984 George A. Hedge
1980-1981 F. Norman Briggs
1976-1980 Franklyn G. Knox
1974-1976 Leonard Share
1971-1974 Howard E. Morgan
1970-1971 E. B. Brown, Jr.

elected to President-elect

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

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

Public Affairs

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

**Association of Chairs of Departments of Physiology
December 2 – 5, 2010**

**ACDP Executive Council
Minutes**

Present: R. Clinton Webb, President; Gary Sieck, President-Elect; Meredith Bond, Past President; Nicholas Delamere, Steven R. Houser, Marshall Montrose, T. Richard Nichols, Michael Reid, Councilors; L. Gabriel Navar, CAS Representative

Absent: Patricia Molina, Councilor; Chris Cheeseman, Secretary-Treasurer

- I. Approval of Executive Council 2010 Minutes
- II. Guyton Award Lecture Selection Process
 - a. Councilors to assist
 - b. Suggestions for 2011
- III. Elections
 - a. Nominees for President
 - b. Nominees for Secretary-Treasurer
 - c. Nominees for Councilor
 - d. Nominees for CAS Representative
- IV. ACDP Budget
- V. 2011 Annual Meeting
- VI. Other Business

The President, R. Clinton Webb, called the meeting to order at 4:12 pm and welcomed the members of the Executive Council to Bonita Springs.

I. Approval of 2009 Executive Council Minutes
Council unanimously approved the 2009 minutes of the Executive Council meeting as written.

II. Guyton Award Lecture Selection Process
Webb announced that the 2010 Guyton Award Lecturer was Ferid Murad from the University of Texas, Houston. He reminded Council that there is a process in place for selecting the Guyton Award Lecturer. Nominations are first solicited from the entire ACDP membership. A subcommittee of the Executive Council, composed of the two second-year Councilors and the new President, work as a selection committee. The final choice is sent to the full Executive Council for approval. For 2011, Molina and Reid will assist Sieck in selecting the Lecturer.

Webb recommended to Sieck that he immediately start to identify possible candidates for the award, as many of the more well-known people have full schedules and are difficult to get less than a year in advance. He suggested Sieck begin soliciting nominations immediately after the first of the year, with the goal of naming the 2011 Lecturer by March 1, 2011. Former nominations will be forwarded to Sieck for his consideration.

III. Elections

Council discussed various members for the offices of President-elect, Secretary-Treasurer, Councilor (2 positions) and CAS Representative. Webb will check with suggested nominees about their willingness to serve, as well as invite nominations from meeting attendees.

IV. ACDP Budget

Council reviewed the 2010 budget. It was pointed out that the Society is in good financial shape. Because of the late date for registration, the 2009 and 2010 numbers are not directly comparable. By September 30 in 2009, most of the registration fees and late membership fees had been collected. This year, that didn't happen until in late October. However, if those figures are considered, then the bottom lines for the two years are very similar. Cheeseman will present the budget to the membership during the Business Meeting.

V. 2011 Annual Meeting

President-elect Sieck announced that he selected the Playacar Palace Resort in Cancun, Mexico for the 2011 ACDP meeting. He will make a presentation during the Business Meeting. ACDP will be working with Classic Travel again for the 2011 meeting, so all registrations and hotel reservations will be handled by the travel agency. The hotel is an all-inclusive, which means that the food costs for the meeting will be minimal, allowing the registration fee to be much smaller.

He requested input from Council regarding the program for the meeting.

VI. Other Business

A. Membership

Council discussed ways to increase the membership of the Society and attendance at the meeting. Ideas included

- Send out personal invitations to members who only come once in a while or never
- Recruit chairs from South America to attend the 2011 meeting as guests. If enough are interested, the Bylaws could be changed to allow them as members
- Offer discounts for first-time attendees
- Offer 2 for 1 discounts if a member brings another member who hasn't attended
- Hold joint meetings with other chairs societies (Pharmacology, Anatomy) as done previously
- Change meeting agenda to make the meeting more germane to US chairs
 - Departmental mergers
 - Finances/funding
- Send out newsletters on a regular (quarterly?) basis to keep interest in the meeting and ACDP high among members

The meeting adjourned at 5:10 pm.

ACDP Business Meeting I Minutes

I. Call to Order

The Business Meeting was convened by President R. Clinton Webb at 4:00 pm on December 3, 2019.

II. Approval of 2009 Draft Meeting Minutes

The minutes from the 2009 Business Meetings were unanimously approved as submitted.

III. Announcement of 2010 Guyton Award Lectureship

Webb announced that the 4th Arthur Guyton Lectureship will be given by Ferid Murad, M.D., Ph.D. from University of Texas, Houston. The lecture is titled "Discovery of Nitric Oxide and Cyclic GMP in Cell Signaling and Their Role in Drug Development."

IV. Announcement of 2010 Distinguished Service Awardee

Webb also announced that John A. Williams, M.D., Ph.D., former Chair at the University of Michigan, will be presented with the 2010 ACDP Distinguished Service Award at the banquet. Williams will be honored for his service to ACDP, APS and physiology as a discipline.

V. Call for Nominations for Officer Positions

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

VI. CAS Updates

Navar described the roles of the CAS representatives (Navar) and the governance of the AAMC. Navar recently finished serving his second term on the CAS Board. He encouraged anyone interested in serving as CAS representative to make it a several-year commitment so there would be the opportunity after a few years of visibility for that person to be elected to the CAS Board. Representatives attend the spring meeting of CAS and also the annual AAMC meeting, where CAS plays a role in programming that meeting. He noted that it is very important to have strong ties between ACDP and CAS.

Navar pointed out the CAS report in the notebook. He especially mentioned the various topics under discussion at the CAS meeting, noting that those are the same issues that are of concern to most ACDP members.

VII. Financial Report

The financial report was presented by Secretary-Treasurer Chris Cheeseman. The Association remains in sound financial condition. He pointed out that there is a large difference between the 2009 and 2010 numbers as of September 30 each year. This is a direct result of the late date for registration this year. The registration revenues were collected by September 30 in 2009, whereas they were not collected until October this year. In addition, he pointed out that the

expenses from the meetings are also not showing, as those will come due in December. However, if registration revenues that were collected are considered, then the bottom lines for the two years are very similar. A final 2010 budget will be presented at the 2011 ACDP meeting held during the Experimental Biology meeting. The financial report was accepted unanimously by the attendees.

VIII. National Directors of Graduate Studies Meeting Funding Request

Webb presented a request from William Jackson (Michigan State University), on behalf of the organizing committee, for support for an upcoming National Directors of Graduate Studies (NDOGS) in Pharmacology & Physiology meeting. It will be held July 7-9, 2011 on the MSU campus and is the fourth biannual meeting of this group. For the first time this meeting will include directors of graduate programs from physiology departments as well as the usual pharmacology department contingent. A draft agenda for the meeting was distributed.

The organizing committee is seeking funds to defray the cost of the meeting so that no registration fee is required. A grant has been submitted to NIH for support. MSU is supporting it financially too, along with some departments at the university. The Association of Medical School Pharmacology Chairs (AMSPC) agreed to provide \$1,500 to help defray the costs of breakfasts, lunches and coffee breaks. ACDP was requested for a similar donation. ACDP Council did discuss the request and recommended approval.

A motion was unanimously approved to support the upcoming joint physiology and pharmacology NDOGS meeting at the \$1,500 level.

IX. Other Business

A. Competency-based Medical School Admissions

Dee Silverthorn reported on a recent meeting of AAMC/Howard Hughes Medical Institute Committee on Competencies at which competency-based admissions to medical schools was approved. This means that students can submit either a list of courses they have taken OR a list of their competencies in various topics for medical school admissions. This will allow for students to complete coursework in other types of subjects than those normally accepted.

Silverthorn also reported the MCAT is being revised to include more competency testing. Bond noted that she serves on the MR5 Committee for AAMC that completes a review every 5 years of the MCAT. Bond reported that the process is not proceeding as fast as originally predicted.

Silverthorn announced that she is writing an article on whether institutions are adopting these new competency-based admissions and, if so, how they are changing their admissions requirements. Only four chairs indicated that their institutions were even discussing the issue.

The meeting was adjourned until the following day at 4:47 pm.

ACDP Business Meeting II Minutes

I. Call to re-convene
Webb reconvened the business meeting at 2:30 pm on December 4, 2010.

II. Election of Officers

The slate of nominees for President-elect, Secretary-Treasurer, Councilors, and CAS Representative was announced and the membership voted by secret ballot. Marshall Montrose was elected President-elect. Susan DeMesquita was elected Secretary-Treasurer. T. Richard Nichols and Michael Sturek were elected Councilors with terms ending in 2013; Bishr Omary was elected Councilor for a 1-year term to fill out the term of Montrose. Meredith Bond was elected CAS Representative.

III. 2011 ACDP Meeting

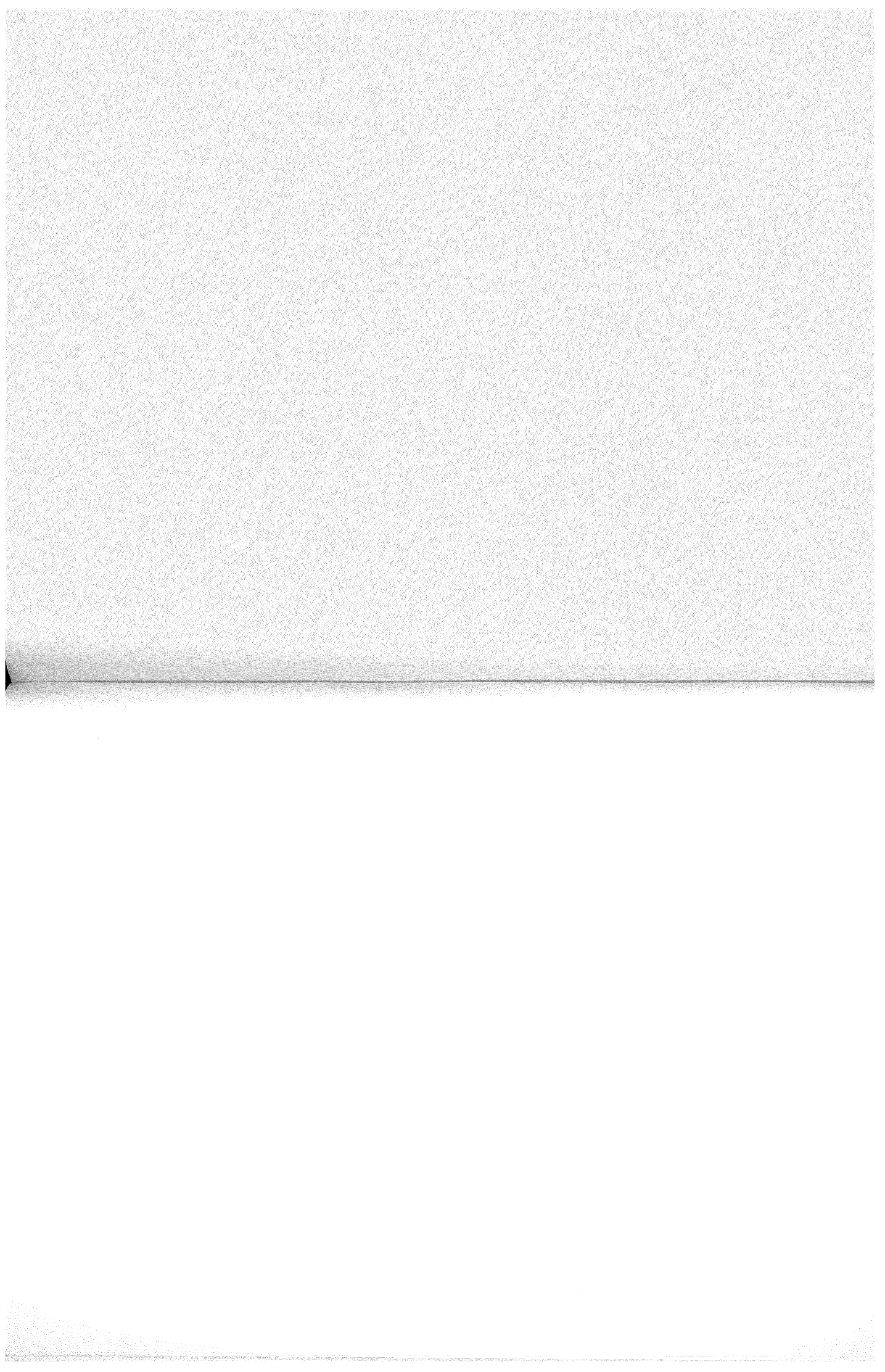
Gary Sieck, ACDP President-elect, announced that the 2011 ACDP meeting would be held December 1-4, 2011 at the Playacar Palace Resort in Cancun, Mexico. The resort is an all-inclusive resort, allowing meeting costs to remain low. The hotel made many concessions, allowing for subsidized transportation between the airport and hotel and free resort dollars that attendees can spend on amenities.

IV. Adjournment

The meeting was adjourned at 2:50 pm.

Respectfully submitted,

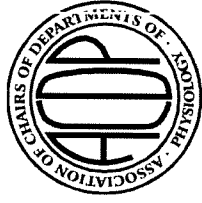
Christopher Cheeseman
Secretary-Treasurer



**Association of Chairs of Departments of Physiology
Revenue and Expenses and Changes in Net Assets
Year to Date as of September 30, 2011**

2011 YTD					
Annual Meeting	General	Totals at 9/30/11	Totals at 9/30/10	Incr/(Decr)	
\$ -	\$ -	\$ -	\$ 1,450	\$ (1,450)	Meeting Registration
-	-	-	23,750	3,000	Dues Income
-	18	18	47	(29)	Interest Income
-	26,768	26,768	25,247	1,521	Total Revenue
Expenses:					
Telephone	280	280	284	(4)	
Credit Card Processing Fees	405	405	477	(72)	
Travel	1,701	1,701	2,166	554	
Dues Expense - Associations	1,159	1,159	1,144	15	
Meetings Expense	-	-	-	17,239	
Total Expenses	3,545	21,803	4,071	17,732	
Net Revenue/(Expenses)	(18,258)	23,223	21,176	(16,211)	
Net Assets, Beginning of Year		40,909	56,539	(15,630)	
Net Assets, End of Period		\$ 45,874	\$ 77,715	\$ (31,841)	

Speaker Information



ACDP 2011 Fall Retreat Meeting

Speakers

*An Epidemic, Childhood Obesity: Physical Activity With Go Trybe
As Part of the Solution!*

William Joyner, Ph.D.
Professor and Chair, James H. Quillen College of Medicine
East Tennessee State University

Postdoctoral training: Qué es y qué debe ser?

Philip S. Clifford, Ph.D.
Associate Dean, Graduate School of Biomedical Sciences
Professor, Anesthesiology and Physiology
Medical College of Wisconsin

Neural Control of Veins in Hypertension

David Kreulen, Ph.D.
Professor and Interim Chair
Department of Physiology/Pathology
Michigan State University

Potassium Channels Find Their Way in Membrane Traffic

Paul Welling, M.D. - Guyton Lecture
Professor, Department of Physiology
University of Maryland Medical School

Mentoring and career development strategies for faculty

Meredith Hay, Ph.D.
Professor of Physiology, University of Arizona College of Medicine
Special Advisor to the Chair
Arizona Board of Regents

NDOGS 2011: A Successful Collaboration Between Physiologists and Pharmacologists

William Jackson, Ph.D.
Professor and Acting Chair
Department of Pharmacology & Toxicology
Michigan State University

Challenging Times Ahead

Joseph LaManna, Ph.D.
President, FASEB

Diving into Uncharted Waters: Life as an Interim Chair and Hyperbaric Physiologist (Insights on neuroprotection against CNS oxygen toxicity)

Jay Dean, Ph.D.

Professor and Acting Chair
Department of Molecular Pharmacology & Physiology
Director, Hyperbaric Biomedical Research Laboratory
College of Medicine, University of South Florida

Tipping Points in a Scientific Life

R. John Solaro, Ph.D.

Department of Physiology & Biophysics
College of Medicine, University of Illinois at Chicago

2011 ACDP Distinguished Service Awardee

Update on APS Activities

Joey Granger, Ph.D.

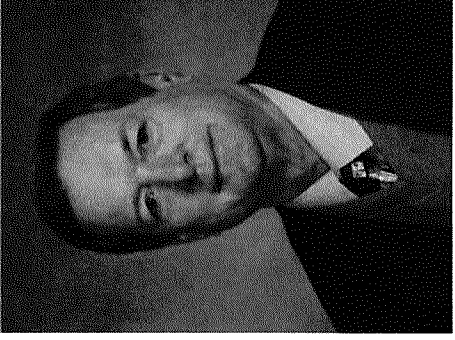
APS President



ACDP Speaker Biosketches

William L. Joyner, Ph.D., M.S.P.H., FAH Professor and Chair

Department of Physiology,
James H. Quillen College of Medicine
East Tennessee State University



Dr. William L. Joyner is Professor and Chair in the Department of Physiology in the James H. Quillen College of Medicine at East Tennessee State University in Johnson City TN. His research interests lie in the area of general cardiovascular pathophysiology specifically directed towards the understanding of the control of blood flow in microvessels under normal and pathological conditions, e.g. hypertension, diabetes, cancer and of course exercise.

He is also Co-founder/Vice President of GoTrybe and GoWorkWell, non-profit and for profit organization(s) designed to: combat obesity and the subsequent health risks in our youth and provide a health risk assessment/prevention for organizations. Dr. Joyner is from North Carolina and has a B.S. degree from Davidson College in Davidson, N.C. and a M.S.P.H. and Ph.D. degree from the University of North Carolina at Chapel Hill, NC.

In 1974, after completing a post-doctoral research program at Duke University, Durham, NC, Dr. Joyner accepted a position at the University of Nebraska Medical Center in the Department of Physiology where he obtained the rank of Professor. Then, in 1989, he took a position as Chair and Professor of Physiology at East Tennessee State University College of Medicine. He has published over 100 papers in scientific journals and presented his work at local, national and international meetings. He has been involved in teaching and research for over 40 years.

Dr. Joyner is a member of the American Physiological Society, Microcirculatory Society, etc. and is a fellow of the American Heart Association. He has served: as President of the Microcirculatory Society, on the research board of the American Heart Association and for more than 20 years, on review boards for the National Institutes of Health, American Heart Association, Department of Defense, the National Science Foundation and others.

In 2004, a research/development team was organized to formulate a youth fitness program; the outcome was **GoTrybe.com** which is an online, web-based, interactive social community/program dedicated to the health and wellness of our youth. It gets young people on the move by developing Active Screen Time™ utilizing health-fitness-nutrition-wellness-motivation programs for K-12 graders. GoTrybe has content provided specifically for age-appropriate, grade-based youth; GoTrybe can be used in pre, during and after-school settings. All date usage is tracked on a time-dependent basis; therefore, school teachers, administrators, granting agencies and others can get accurate reporting of program usage. Further, points are awarded which can then be used to provide rewards and competition for all. In 2005 the program

was beta tested at Boys/Girls Clubs in the area. In 2007, the program was funded by the State of TN DOH/DOE for use by 300,000 students in K-12th grades in 17 Northeast TN public schools. Various partnerships and alliances were fostered with organizations like: Amature Athletic Union, MyPyramid, Indiana Department of Health, BlueCrossBlueShield-TN, InShape Indiana, Alliance for a Healthier Generation, TN and National PTA, Ball State University, Campbell University, Presidents Fitness Council, FloridaVirtualSchools and others. The future of tools like, GoTrybe, for combating obesity and subsequent diseases in our youth/adults is still questionable; further, research and development are necessary to determine the outcome of motivational, fitness and nutrition programs in fighting these diseases.



ACDP Speaker Biosketches



Philip S. Clifford, Ph.D.
**Associate Dean, Graduate School of
Biomedical Sciences**
Professor, Anesthesiology and Physiology
Medical College of Wisconsin

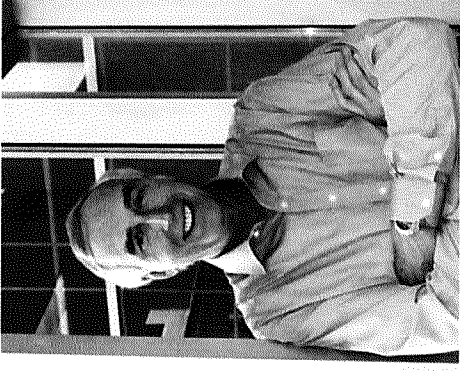
Philip Clifford has been a longstanding advocate for postdoctoral education at local and national levels. He was tapped by the Medical College of Wisconsin to create the Office of Postdoctoral Education in 2001 just prior to the publication of the COSEPUP report "Enhancing the Postdoctoral Experience." This office provides valuable resources for postdoctoral fellows including a twice monthly series of career development seminars called the Spotlight on Science, scientific writing courses, annual postdoc retreat, travel awards, and career counseling services. In surveys by *The Scientist*, the Medical College of Wisconsin has ranked as one of the top US universities and medical schools for postdoctoral training.

Dr. Clifford participated in national discussions on postdoctoral training and helped initiate widespread reform by participating in the establishment of the National Postdoctoral Association. He has been an active member of the NPA Advisory Board since 2002. He was also instrumental in launching the AAMC GREAT Group Postdoctorate Leaders Section, serving on its Executive Committee from 2006 to 2009 and as Co-chair in 2007-8. It is noteworthy that Dr. Clifford played an integral part in the development of some of the key documents used in the postdoctoral community. As a part of FASEB's Committee on Training and Careers, he was a coauthor of the Individual Development Plan for postdoctoral fellows. He contributed to the "Compact Between Postdoctoral Appointees and Their Mentors" as a member of the AAMC GREAT Group Postdoctorate Leaders Section. He also had a hand in drafting the Postdoctoral Core Competencies promulgated by the National Postdoctoral Association. He is a frequent speaker at seminars, workshops, and symposia on postdoctoral issues.

In addition, Dr. Clifford heads an active research program investigating the physiological mechanisms regulating skeletal muscle blood flow during exercise. His research laboratory has been funded by the NIH since 1988, with additional funding from the American Heart Association and the Department of Veterans Affairs. He participates on grant review panels at the NIH, NASA, and the American Heart Association and sits on the editorial boards of several physiological journals. He is a fellow of the American Heart Association and the American College of Sports Medicine. He is also a consultant in the medical device industry and a member of the Anesthesia and Respiratory Devices Panel at the FDA.



ACDP Speaker Biosketches



David L. Kreulen, Ph.D.
Professor and Interim Chair
Department of Physiology/Pathology
Michigan State University

David Kreulen is Professor of Physiology and Neurology/Ophthalmology at Michigan State University in East Lansing, MI. Prior to Michigan State he was Professor of Pharmacology and Toxicology and of Physiology at the University of Arizona, Tucson AZ. He was also director of the Graduate Program in Pharmacology and Toxicology from 1989 – 1993.

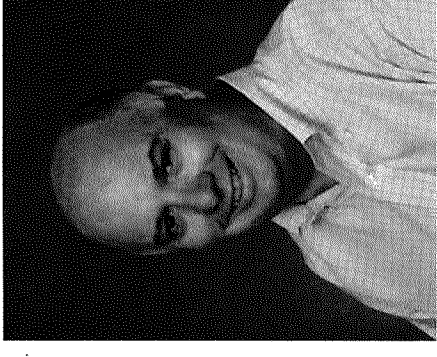
He was VanLiere Professor and Chair of Physiology at West Virginia University, Morgantown, WV from 1994 – 1996. At Michigan State he has been Director of Medical Neuroscience course presently taught concurrently to 525 students in four locations throughout the state of Michigan. He also is a member of the Interdisciplinary Graduate Program in Neuroscience. He teaches in various Graduate and Undergraduate courses primarily in areas of the Autonomic Nervous System and cardiovascular system.

Dr. Kreulen's research interests have focused on various aspects of autonomic nervous system modulation of urinary, gastrointestinal and cardiovascular systems, focusing on the function of the peripheral sympathetic nervous system. Using a combination of electrophysiologic and functional approaches he has elucidated both efferent and afferent pathways in sympathetic ganglia that integrate gastrointestinal and vascular function. The discovery that separate populations of sympathetic ganglion neurons innervate splanchnic arteries and veins has formed the basis of recent studies into the artery- and vein-specific alterations in prevertebral ganglia function in hypertension. These studies are part of a program project that is focused on the neurohumoral alterations in veins in hypertension. Recent research efforts are concentrate on selective activation or inhibition of cardiovascular pathways and neurons in prevertebral ganglia as a means to modify blood pressure and uncover unique sites for treatment of hypertension.

The Department of Physiology at Michigan State (www.psl.msu.edu) has 33 full-time tenure stream and teaching faculty with responsibilities in four different colleges, including Human Medicine, Osteopathic Medicine, Veterinary Medicine and Natural Sciences. There are approximately 600 undergraduate majors in Physiology. The department has informal research focus areas in Molecular Metabolism and Disease, Diabetes and Obesity, Cancer, Neuroscience, Cardiopulmonary Disease, Gastrointestinal Disease and Musculoskeletal Disease.



5th Annual
Arthur C. Guyton Lectureship



Paul A. Welling, M.D.

Professor
Department of Physiology,
University of Maryland Medical School

“Potassium Channels Find Their Way in Membrane Traffic”

Paul A. Welling is Professor of Physiology at the University of Maryland Medical School. As an undergraduate and medical student at the University of Kansas, Paul became fascinated with kidney physiology, membrane transport, and fluid and electrolyte disorders. Seeking a deeper understanding of the cellular mechanisms underlying the physiology, Paul added a full year to his medical school curriculum, working on a pre-doctoral research project in the laboratory of Dr. Roger O’Neil at the University of Texas Health Science Center at Houston. The experience proved to be highly rewarding, and pivotal to Dr. Welling’s decision to devote his professional life to biomedical research. After medical school, Dr. Welling joined the laboratory of Gerhard Giebisch at Yale University to study renal potassium channels. Inspired by the rich intellectual environment within the Department of Molecular and Cellular Physiology and the promise of the emerging molecular era, Paul moved his post-doctoral investigations toward elucidating the molecular nature of these channels, and the molecular underpinnings of potassium balance. After his fellowship, Dr. Welling moved to the Department of Physiology at the University of Maryland Medical School, where he has continued to probe into the molecular bases of electrolyte transport. A major thrust of the Welling laboratory involves molecular physiological dissections of inherited disorders of membrane transport, so-called “channelopathies” or “transporteropathies.”

His group is especially interested in understanding the regulatory mechanisms which control the number, location and activity of transport molecules and that go awry in human disease. They employ a multidisciplinary approach, combining tools of molecular genetics, cellular biology, biochemistry, and physiology with state-of-the-art imaging and electrophysiological techniques. A key strategy involves defining regulator or localization signals that are embedded within the structures of ion channels and salt-transporters; discovering the intracellular machinery that decodes the signals; and understanding the molecular signaling pathways that influence the interaction between the two. Genetically modified animal models are used to translate their discoveries about fundamental mechanisms to higher-level systems *in vivo*.

Following Dr. Guyton’s research on the role of kidney in hypertension, Dr. Welling and his co-workers have made process in unraveling the mechanisms that control salt balance and blood pressure in health and contribute to electrolyte disorders and hypertension in kidney disease. In recent years, their

studies helped illuminate a role of multi-gene kinase network, altered salt-transport and a specific environmental trigger--dietary salt--in the genesis of hypertension. The work provides a new insight into the scientific basis for the beneficial effects of the high potassium/low sodium DASH diet on blood pressure, and reveals new therapeutic targets.

In recent years, Dr. Welling began to expand his interest beyond the kidney to other channelopathies that are born out of alterations in membrane trafficking. Again, his group is revealing new fundamental biological mechanisms with direct translational impact. For example, his work with a cardiac potassium channel bucked the popular textbook view of how newly synthesized membrane proteins are delivered to the cell surface, and provided new insights into Golgi sorting mechanisms. In doing so, their studies in the heart are leading to a molecular understanding of certain hereditary arrhythmias.

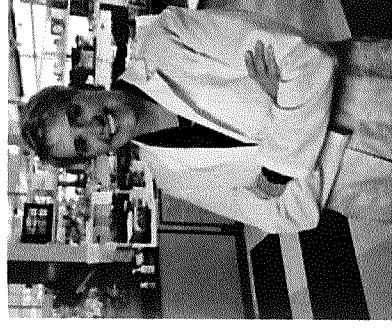
Dr. Welling serves on the Editorial Boards of the American Journal of Physiology, Renal, The Journal of Biological Chemistry, and the Journal of Physiological Sciences. He received the Established Investigator Award from the American Heart Association, and is currently a Fellow in that organization. He has also received many awards for teaching, including Teacher of the Year Award from the Graduate Program in Life Sciences, University of Maryland.

Previous ACDP Arthur C. Guyton Distinguished Lectureship Awardees

- | | |
|------|--|
| 2010 | Ferid Murad
University of Texas, Houston |
| 2009 | Helen Hobbs
University of Texas Southwestern Medical Center |
| 2008 | Eric Olson
University of Texas Southwestern Medical Center |
| 2007 | H. Lee Sweeney
University of Pennsylvania |



ACDP Speaker Biosketches



Meredith Hay, Ph.D. Special Advisor to the Chair Arizona Board of Regents

Dr. Meredith Hay is tenured professor of physiology at the University of Arizona College of Medicine. She continues to be actively engaged in NIH funded research. Her area of research interest is in neural control of the circulation and sex based differences in hypertension.

She currently serves as Special Advisor to the Chairman of The Arizona Board of Regents (ABOR). ABOR has launched a very ambitious and forward thinking Enterprise Initiative to, first, develop a performance funding model for the Arizona system and, second, identify new approaches to university budget and finance. Dr. Hay works directly with the Board Chair and the leadership of the three universities to develop and implement this initiative. This effort will reshape the way higher education is delivered in Arizona, and has the potential to be a model for public universities across the country.

From 2008 to August 2011, Dr. Hay was Executive Vice President and Provost at the University of Arizona (UA). Dr. Hay was the UA's chief operating officer with responsibilities for the entire university budget including the Arizona Health Sciences Center. She had oversight of all academic, research and outreach programs with responsibility of ensuring excellence and coordination in all areas.

From 2005 to 2008, Dr. Hay served as the Vice President for Research at the University of Iowa. At the University of Iowa, Dr. Hay provided the central leadership for all of the university's research, scholarly, and creative programs, including the academic medical center.

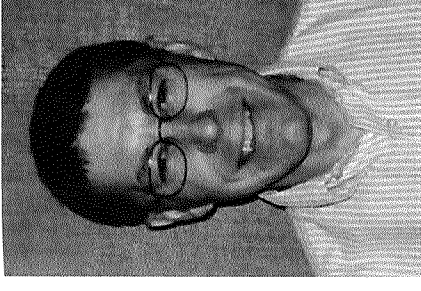
Dr. Hay, a Texas native, earned her B.A. in psychology from the University of Colorado, Denver, and her M.S. in neurobiology from the University of Texas at San Antonio, and her Ph.D. in cardiovascular pharmacology from the University of Texas Health Sciences Center, San Antonio. She trained as a postdoctoral fellow in the Cardiovascular Center at the University of Iowa College of Medicine and at Baylor College of Medicine in Houston. Prior to joining the faculty at the University of Missouri-Columbia in 1996, she was a faculty member in the Department of Physiology at the University of Texas Health Science Center-San Antonio. She was named Executive Vice President and Provost at the University of Arizona in February 2008.



ACDP Speaker Biosketches

William F. Jackson, Ph.D.

**Professor and Acting Chair
Department of Pharmacology & Toxicology
Michigan State University**



William F. Jackson, Ph.D. is Professor and Acting Chair of the Department of Pharmacology and Toxicology at Michigan State University (MSU). Dr. Jackson received his Ph.D. in physiology from MSU in 1979. After postdoctoral training in the Department of Physiology at the University of Virginia, he joined the faculty of the Department of Physiology and Endocrinology at the Medical College of Georgia (MCG) where he received the Distinguished Young Faculty Award in 1987. After promotion to Associate Professor with tenure at MCG, Dr. Jackson moved to the Department of Biological Sciences, Western Michigan University in 1989 to continue his NIH funded research program and teaching physiology to physician assistants and undergraduates. There he was promoted to Professor and received the Distinguished Faculty Scholar Award in 1998. In 2005 he was recruited back to MSU to start an online Master's program in Integrative Pharmacology. He serves as Program Director of the Professional Science Master's program in Integrative Pharmacology, and was named Acting Chair of the Department of Pharmacology and Toxicology in 2011. Dr. Jackson has an active research program studying ion channel function in the microcirculation and has been continuously funded by the National Institutes of Health since 1984 for these efforts. He is a past president of the Microcirculatory Society, Inc., is a consulting editor of the journal, *Microcirculation*, having served as Editor-in-Chief for 6 years, serves on the editorial boards of several journals, and is a member of the steering committee of the Cardiovascular Section of the American Physiological Society. Dr. Jackson has been involved with the National Directors of Graduate Studies (NDOGS) in Pharmacology since 2007. He served as Co-chair of the organizing committee and host for the most recent NDOGS meeting held July 7-9, 2011 in East Lansing, MI.



ACDP Speaker Biosketches



Joseph C. LaManna, PhD

President

The Federation of American Societies for Experimental Biology (FASEB)

Joseph C. LaManna, PhD is the current President of The Federation of American Societies for Experimental Biology (FASEB). Dr. LaManna is also a Professor of Physiology & Biophysics, Neurology, Neurosciences, and Pathology at the Case Western Reserve University School of Medicine in Cleveland, Ohio. He is the former Chair of the Department of Anatomy at CWRU (1993-2008). He received his undergraduate degree in Biology at Georgetown University in Washington, DC in 1971. He earned a PhD in Physiology and Pharmacology from Duke University in Durham, NC in 1975.

He has been involved in cerebrovascular research for more than 30 years. Research conducted in his laboratory is concerned with energy demand, energy metabolism, and blood flow in the brain. The role of these mechanisms in the tissue response to pathological insults such as stroke, cardiac arrest and resuscitation, and hypoxia is being actively investigated. His most recent research has centered on cerebral angiogenesis and the role of hypoxia-inducible factor-1 in physiological adaptation to hypoxia, neuroprotection and ischemic preconditioning. He has authored or co-authored over 200 research papers and review chapters.

LaManna currently serves on the Editorial Boards of the Journal of Applied Physiology, the Journal of Cerebral Blood Flow and Metabolism and Brain Research. He is an active member of multiple scientific societies including the Society for Neuroscience (Program Committee 2002-2005); American Physiological Society; International Society for Oxygen Transport to Tissues (Executive Committee, 1986-89; 1995-98; 2000-03, President 2009); AAAS; International Society of Cerebral Blood Flow and Metabolism (Board of Directors 2007-2011, Secretary 2011-2017); Association of Anatomists, Cell Biology and Neuroscience Chairs (Executive Board 2002-06); American Association of Anatomists (Public Affairs Committee Chair 2002 – 2007).

He served as a regular member of the NIH Neurology B-1 Study Section, and is a current member of the Brain Injury and Neurovascular Pathologies (BINP) study section.



ACDP Speaker Biosketches



Jay B. Dean, Ph.D.
Professor & Acting Chairman
Dept. of Molecular Pharmacology & Physiology,
Director, Hyperbaric Biomedical Research Laboratory,
College of Medicine, University of South Florida,
Tampa, FL.

J.B. Dean served as Acting Chairman of the Dept. of Molecular Pharmacology & Physiology at USF Tampa (July 2010-Oct. 2011). Prior to this, he served as Acting Chairman (July 2003-Oct. 2004) of the Dept. of Anatomy & Physiology at Wright State University, Dayton, Ohio. Dr. Dean has been a faculty member at USF Tampa since July 2006 and currently serves as Director of the USF Hyperbaric Biomedical Research Laboratory, and Chairman of the USF Institutional Animal Care and Use Committee.

Dr. Dean earned his B.S. in Biology at Central Michigan University (1979). He holds a M.S. in Biological Sciences from Michigan Technological University (1981), and his doctorate in Physiology from The Ohio State University (1986). Dean was an NINCDS (1986-88) and NRSA (1988-90) Postdoctoral Fellow in the Department of Physiology, University of North Carolina at Chapel Hill, working in respiratory control and central CO₂ chemoreception. He was a Parker B. Francis Fellow in Pulmonary Research and Research Assistant Professor of Physiology at UNC-CH (1990-91) before joining Wright State University where he served as an Assistant Professor through Professor in the School of Medicine (1991-2006). Dr. Dean was recognized as Wright State's Brage Golding Distinguished Professor of Research (2003-2006). Currently, Dean is member of the History Group and the Program Committee of the American Physiological Society. Dr. Dean is a former Associate Editor of the Journal of Applied Physiology and currently serves on the Editorial Boards of JAP and the journal of Undersea and Hyperbaric Medicine. His hobby is studying the history of aviation medicine and physiology before and during World War II, a topic he has lectured on extensively in America and Europe.

Dr. Dean's primary research interests include the cellular and molecular characteristics of brainstem neurons involved in gastro-esophago-cardio-respiratory control and the mechanisms underlying neuronal sensitivity to gases (CO₂, O₂, N₂, He), hyperbaric pressure, acid-base disturbances and redox/nitrosative stress. Ongoing research in his laboratory focuses on understanding how redox stress (including hyperbaric oxygen), hypercapnia and intracellular pH interact and alter the properties of putative central CO₂/H⁺-chemoreceptor neurons in the brainstem. This research has relevance to understanding normal and abnormal function in cardio-respiratory control, the central effects of disordered breathing patterns, and in understanding neurological problems arising from the use of oxygen (hyperoxia) in clinical medicine and military operations. Dr. Dean's research is funded by the Office of Naval Research (Undersea Medicine Program), Divers Alert Network (DAN), and NIH.

On November 1, 2011, Dr. Dean stepped down as Acting Chairman of the Dept. of Molecular Pharmacology & Physiology at USF Tampa. He had served as interim chair for the past 1.5 years, succeeding Dr. Bruce G. Lindsey (1992-2010). Sarah Yuan, M.D., Ph.D., the former Director of the Division of Research, and a member of the Department of Surgery at UC Davis Medical Center, succeeded Dr. Dean as the new Chair of the department. Dr. Yuan is an expert in signaling mechanisms of cell-cell and cell-matrix interactions in the microcirculation during inflammation, trauma, infection, sepsis, atherosclerosis, diabetes, and metastatic tumor development.

title of Dr. Dean's talk:

Diving into Uncharted Waters: Life as an Interim Chair and Hyperbaric Physiologist (Insights on neuroprotection against CNS oxygen toxicity)



ACDP Speaker Biosketches

R. John Solaro, PhD

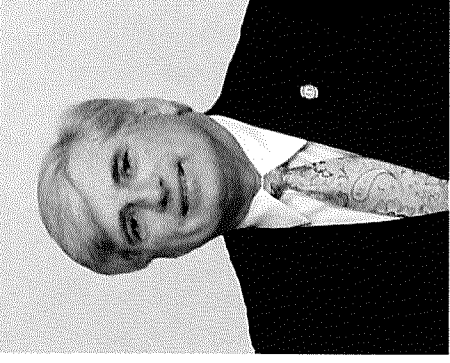
**Distinguished University Professor
Department of Physiology and Biophysics
College of Medicine
University of Illinois at Chicago**



R. John Solaro has been Head of the Department of Physiology and Biophysics at University of Illinois at Chicago (UIC) since 1988, when he moved from University of Cincinnati College of Medicine. He trained for the PhD with F. Norman Briggs in the Department of Physiology, at University of Pittsburgh School of Medicine, chaired by Ernst Knobil. His undergraduate degree is in Pharmacy from the University of Cincinnati. In 1975-76 he was a Fellow of the American and British Heart Associations and worked with S. V. Perry in Birmingham, England. In 1987 he was a Fogarty Fellow working with David Allen at University College London. Solaro was appointed Distinguished University Professor in the University of Illinois System in 1998. He is past Director and founder of the UIC Center for Cardiovascular Research. At UIC, Solaro received the University Scholar Award, the Faculty of the Year Award, and the Mentor of the Year Award. Solaro is currently Chair of the NIH Skeletal Muscle and Exercise Physiology Study Section and served as past Chair of the Cardiovascular Sciences Study Section and member of the Physiology Study Section. He serves as Associate Editor of the *Journal of Molecular and Cellular Cardiology* and is past Associate Editor of the *American Journal of Physiology (Heart)*, where he is now Consulting Editor. He also serves on the editorial board of *Circulation Research*. Solaro's major research interest is in the area of cellular and molecular mechanisms controlling the contraction and relaxation of the heart, how these mechanisms are altered in pathological conditions, and how they are modified by pharmacological interventions. The focus is on the integration of signaling and signal transduction at the level of cardiac sarcomeres. He has done seminal work on the role of troponin in switching on contraction, on the role of myofibrillar protein phosphorylation in the control of cardiac dynamics in the transition to heart failure, and on the enhancement of myofibrillar activation by pharmacological agents, two of which, Acardi (Pimobendan) and Simdax (Levosimendan), are in clinical use. His current translational studies center on therapies involving peptides and micro-RNAs with an emphasis on common cardiomyopathies genetically linked to sarcomeric proteins.



ACDP Speaker Biosketches



Joey P. Granger, Ph.D.

Dr. Granger is the Billy S. Guyton Distinguished Professor, Professor of Physiology and Medicine, Director of the Center for Excellence in Cardiovascular-Renal Research, and Dean of the School of Graduate Studies in the Health Sciences at the University of Mississippi Medical Center in Jackson, MS.

Dr. Granger is currently an Associate Editor for *Hypertension* and serves as Editor of the eBook series entitled *Integrative Systems Physiology*. He has also served as the Editor of the *Council for High Blood Pressure Newsletter* and an Associate Editor for *News in Physiological Sciences* and *American Journal of Hypertension*. He has served as a member of Editorial Boards of *American Journal of Hypertension*, *American Journal of Physiology -Renal*, *American Journal of Physiology: Regulatory and Integrative Physiology*, *Journal of CardioMetabolic Syndrome* and *the Journal of the American Society of Hypertension*. He has published over 200 peer reviewed manuscripts. He currently serves as President of the American Physiological Society (APS). He also serves on the Leadership committees of the Council for High Blood Pressure Research of the American Heart Association (AHA) and Inter-American Society of Hypertension. He has received several awards including the 2011 AHA Distinguished Achievement Award, the APS 2008 E.H. Starling Distinguished Lecture Award, APS 2008 Bodil M. Schmidt-Nielsen Distinguished Mentor and Scientist Award, Dahl Memorial Lecture of the AHA, the Bowditch Lecture of the APS, and the Established Investigator Award of the AHA. Granger's research has been continuously funded by the National Institutes of Health since 1984. Dr. Granger's research has focused on the role of the kidneys in the pathogenesis of hypertension. His current research focuses on the role of endothelial and neurohormonal factors in mediating hypertension in animal models of preeclampsia. His laboratory is also investigating the role of the renal endothelin system in salt-sensitive hypertension.

Distinguished Service Award



The Association of Chairs of Department of Physiology
Presents the
2011 Distinguished Service Award
To:

R. John Solaro, PhD
University of Illinois at Chicago

R. John Solaro has been an educator, administrator, and researcher with significant impact in the field of molecular and integrated control of cardiac physiology, pathology and pharmacology. He is Head of the Department of Physiology and Biophysics at University of Illinois at Chicago (UIC) since 1988. He is currently one of a handful of Distinguished University Professors in the University of Illinois System. He is the founder and past director of the UIC Center for Cardiovascular Research. He is an Honorary Professor at the University of Manchester in England. At UIC, Dr. Solaro received the University Scholar Award, and the Faculty of the Year Award.



Dr. Solaro received the PhD in 1972 from the Department of Physiology at University of Pittsburgh School of Medicine, where he trained with F. Norman Briggs. His undergraduate degree is in Pharmacy from the University of Cincinnati. He was appointed Assistant Professor at the Medical College of Virginia in 1972, and in 1975-76 he was a Fellow of the American and British Heart Associations working with S. V. Perry in Birmingham, England. From 1977-1988 he was a professor at the University of Cincinnati College of Medicine. In 1987 he was a Fogarty Fellow working with David Allen at University College London.

The focus of Dr. Solaro's scientific work is on control of molecular motors of cardiac sarcomeres. He has done seminal work on the role of troponin in switching on contraction, on the role of myofibrillar protein phosphorylation in the control of cardiac dynamics in the transition to heart failure, and on the enhancement of myofibrillar activation by pharmacological agents, two of which, Acardi (Pimobendan) and Simdax (Levosimendan), are in clinical use. His current translational studies center on therapies involving peptides and micro-RNAs with an emphasis on common cardiac disorders and on cardiomyopathies genetically linked to mutations in sarcomeric proteins. These studies are currently funded by 3 grants on which Dr. Solaro serves as PI: an ROI, a MERIT Award now continued to year 37, and a Program Project Grant. He also holds a joint grant from the Medical Research Council with colleagues at the University of Manchester, England.

Dr. Solaro has been active in many societies and in service on review panels and editorial boards. He is past president of the Cardiac Muscle Society and Association of Chairs of Departments of Physiology, and Secretary General of the International Society for Heart Research. Dr. Solaro is currently Chair of the NIH Skeletal Muscle and Exercise Physiology Study Section and served as past Chair of the Cardiovascular Sciences Study Section and member of the Physiology Study Section. He serves as Associate Editor of the *Journal of Molecular and Cellular Cardiology* and is past Associate Editor of the *American Journal of Physiology (Heart)*, where he is now Consulting Editor. He also serves on the editorial board of *Circulation Research*. He has served as guest editor of special issues in *Circulation*

Research, Cardiovascular Research, Journal of Molecular and Cellular Cardiology, and The Journal of Biological Chemistry.

Dr. Solaro has a distinguished career as a mentor to over 70 pre- and post-doctoral fellows and visiting scientists. He has been PI of an institutional training grant funded into its 25 year. He was honored as the UIC Mentor of the Year.

Past ACDP Distinguished Service Awardees

2010	John A. Williams	1993	Edward J. Masoro
2009	Phyllis M. Wise	1992	Gerhard H. Griebisch
2008	Irving H. Zucker	1991	None
2007	William H. Dantzler	1990	John T. Shepherd
2006	Antonio Scarpa	1989	Walter C. Randall
2005	No awardee – joint meeting with AAMC	1988	William F. Ganong
2004	Daniel C. Tosteson	1987	Howard E. Morgan
2003	L. Gabriel Navar	1986	Horace Davenport
2002	Gabor Kaley	1985	Clifford Barger
2001	<u>Mordecai P. Blaustein</u>	1984	Harry Patton
2000	<u>Paul C. Johnson</u>	1983	Ernst Knobil
1999	<u>F. Norman Briggs</u>	1982	Hermann Rahn
1998	<u>Norman R. Alpert</u>	1981	Robert Berliner
1997	<u>Carlton C. Hunt</u>	1980	George Sayers
1996	<u>Arthur C. Guyton</u>	1979	Ewald Seikurt
1995	Aubrey E. Taylor	1978	William F. Ganong
1994	Stanley G. Schultz		

Attendees

**Association of Chairs of Departments of Physiology
Annual Fall Retreat
2011 Attendees**

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Ballot

BALLOT

Association of Chairs of Departments of Physiology 2011 Fall Retreat Election of Officers

For President

Candidates:

1) _____

2) _____

3) _____

Vote for 1: _____

For the Office of Councillor

Candidates:

1) _____

2) _____

3) _____

4) _____

5) _____

6) _____

7) _____

Vote for 2: _____

For the Office of CAS Representative

Candidates:

- 1) _____
- 2) _____
- 3) _____
- 4) _____

Vote for 2: _____

Constitution & Bylaws



ASSOCIATION OF CHAIRS OF DEPARTMENTS OF PHYSIOLOGY,
INC.

BY-LAWS

ARTICLE I

Office

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

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

ARTICLE II

Members

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE IV

Officers

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

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

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

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

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

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

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

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

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

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

SECTION 5. Secretary/Treasurer.

a. The Secretary shall handle all voting matters, whether at actual meetings, telephonic meetings or meetings held on the Internet or other electronic media; he/she shall give, or cause to be given, notice of all meetings of members and directors and all other notices required by law or by these By-Laws, and in case of his/her absence or refusal or neglect to do so, any such notice may be given by any person thereunto directed by the President, or by the directors or members upon whose written request the meeting is called as provided in these By-Laws. The Secretary shall record all proceedings of the meetings of the members and of the directors in books provided for that purpose, and shall perform such other duties as may be assigned to him/her by the directors or the President. The Secretary shall have custody of the seal of the Corporation and shall affix the same to all instruments requiring it, when authorized by the Board of Directors or the President, and attest the same. In general, the Secretary shall perform all the duties generally incident to the office of Secretary, subject to the control of the Board of Directors and the President.

b. Treasurer. The Treasurer shall have custody of all the funds and securities of the Corporation, and he/she shall keep full and accurate account of receipts and disbursements in books belonging to the Corporation. The Treasurer shall deposit all moneys and other valuables in the name and to the credit of the Corporation in such depository or depositories as may be designated by the Board of Directors. The Treasurer shall have the power to sign checks under his/her signature in amounts up to \$1,000. All checks for amounts over \$1,000 shall require the signatures of two officers.

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

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

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

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

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

ARTICLE V

Corporate Seal

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

ARTICLE VI

Bank Accounts and Loans

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

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

ARTICLE VII

Reimbursements

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

ARTICLE VIII

Miscellaneous Provisions

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

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

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

ARTICLE IX

Amendments

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

ARTICLE X

Indemnification

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

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

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

Amended 12/2006

ARTICLES OF AMENDMENT AND RESTATEMENT of

Association of Chairs of Departments of Physiology, Inc.

The Association of Chairs of Departments of Physiology, Inc., a Maryland Non-Profit Corporation having its principal office at ACDP, c/o American Physiological Society, 9650 Rockville Pike, Suite 4402, Bethesda, MD 20814 (hereinafter, the "Corporation"), hereby desires to amend and restate its charter as currently in effect and certifies to the State Department of Assessments and Taxation of Maryland that:

FIRST: The name of the Corporation (which is hereafter called the "Corporation") is the "Association of Chairs of Departments of Physiology, Inc."

SECOND: The purposes for which the Association of Chairs of Departments of Physiology, Inc. is organized are exclusively religious, charitable, scientific, literary or educational with the meaning of section 501(c)(3) of the Internal Revenue Code of 1986 or the corresponding provision of any future United States Internal Revenue law. Notwithstanding any other provisions of these articles, this organization shall not carry on any activities not permitted to be carried on by an organization exempt from Federal income tax under section 501(c)(3) of the Internal Revenue Code of 1986 or the corresponding provision of any future United States Internal Revenue law.

THIRD: The post office address of the principal office of the Corporation in this State is ACDP, c/o American Physiological Society, 9650 Rockville Pike, Suite 4402, Bethesda, MD 20814. The name and post office address of the Resident Agent of the Corporation in this State is Mordecai P. Blaustein, M.D., Department of Physiology, University of Maryland School of Medicine, c/o 655 West Baltimore Street, Baltimore Maryland 21201. Said Resident Agent is an individual actually residing in this state.

FOURTH:

(1) The Corporation is not organized for profit; it shall have no capital stock and shall not be authorized to issue capital stock. The Corporation shall be governed by its Board of Directors. The number of members, qualifications for members, and other matters relating to its members shall be as set forth in the by-laws of the Corporation.

(2) The corporation shall be a membership corporation and its revenue shall be derived from membership fees and/or such other sources of public support as may be prescribed from time to time by the Board of Directors.

(3) Subject to the provisions of the articles of incorporation of the organization, the conditions, terms, privileges, rights and duties of membership shall be stated or provided for in the By-Laws of the organization.

(4) Members shall elect Directors.

FIFTH: The powers of the Corporation shall be vested in the Directors. The number of Directors may be increased or decreased only by amending these Articles of Incorporation, but shall never be less than three (3) nor more than nine (9). Each Director shall hold office until the expiration of his/her term. The names of the Directors, who shall act until their successors are duly elected and qualify, are: 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. Dantzer, M.D., Ph.D., and Phyllis M. Wise, Ph.D.

SIXTH: Upon the dissolution of this corporation assets shall be distributed for one or more exempt purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code, or corresponding section of any future federal tax code, or shall be distributed to the Federal government, or to a state or local government, for a public purpose.

SEVENTH: The Corporation may by its By-Laws make any other provisions or requirements for the arrangement or conduct of the business of the Corporation, provided the same be not inconsistent with these Articles of Incorporation nor contrary to the laws of the State of Maryland or of the United States.

EIGHTH: The members are authorized to adopt, amend, or repeal By-Laws of the Corporation except as and to the extent provided in the By-Laws. These Articles of Incorporation can only be amended by a majority vote of the Members.

NINTH: No Director or officer of the Corporation shall be liable to the Corporation for money damages except (1) to the extent that it is proved that such Director or officer actually received an improper benefit or profit in money, property or services, for the amount of the benefit or profit in money, property or services actually received, or (2) to the extent that a judgment or other final adjudication adverse to such Director or officer is entered in a proceeding based on a finding in the proceeding that such Director's or officer's action, or failure to act, was (a) the result of active and deliberate dishonesty, or (b) intentionally wrongful, willful or malicious and, in each such case, was material to the cause of action adjudicated in the proceeding.

TENTH:

(1) The Corporation shall distribute its income for each taxable year at such time and in such manner as not to become subject to the tax on undistributed income imposed by Section 4942 of the Internal Revenue Code of 1986, or corresponding provisions of any subsequent federal tax laws.

(2) The Corporation shall not engage in any act of self-dealing as defined in Section 4941(d) of the Internal Revenue Code of 1986, or corresponding provisions of any subsequent federal tax laws.

(3) The Corporation shall not retain any excess business holdings as defined in Section 4943(c) of the Internal Revenue Code of 1986, or corresponding provisions of any subsequent federal tax laws.

(4) The Corporation shall not make any investments in such manner as to subject it to tax under Section 4944 of the Internal Revenue Code of 1986, or corresponding provisions of any subsequent federal tax laws.

(5) The Corporation shall not make any taxable expenditures as defined in Section 4945(d) of the Internal Revenue Code of 1986, or corresponding provisions of any subsequent federal tax laws.

The provisions set forth in these Articles of Amendment and Restatement are all the provisions of the charter currently in effect. By action taken by the members of the Corporation on September __, 1998, pursuant to the unanimous written Consent of Members To Action Without A Formal Special Meeting and in accordance with Section 2-408(c) of the Corporations and Associations Article of the Annotated Code of Maryland, the members of the Corporation duly approved the foregoing Articles of Amendment and Restatement. The Corporation has no stock outstanding nor is it authorized to issue stock.

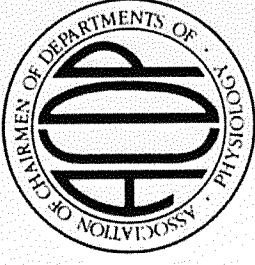
IN WITNESS WHEREOF, THE ASSOCIATION OF CHAIRS OF DEPARTMENTS OF PHYSIOLOGY, INC., has caused these presents to be signed in its name under seal by its President and attested by its Secretary as of September __, 1998; and its President acknowledged these Articles of Amendment and Restatement to be the corporate act of said Corporation and stated that to the best of his knowledge, information and belief, the matters and facts set forth herein with respect to the approval thereof are true in all material respects, and that such statement is made under the penalties of perjury, this __ day of September, 1998.

The Association of Chairs of Departments of
Physiology, Inc.

Attest: _____
Secretary

By: _____
Mordecai Blaustein, President

Association of Chairmen of Departments of Physiology



Revised 11/9/88

**ASSOCIATION OF CHAIRMEN OF DEPARTMENTS OF
PHYSIOLOGY**

CONSTITUTION
(As amended April 15, 1968)

ARTICLE I

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

ARTICLE II

PURPOSES AND OBJECTIVES

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

ARTICLE III

MEMBERSHIP

Section 1. The membership of the Association shall include the chairmen of departments of physiology in accredited schools of medicine in the United States, Puerto Rico, Canada, and Mexico.

Section 2. Upon approval by the Council, membership will also be open to individuals in other types of institutions who have similar responsibilities.

Section 3. Upon approval of the Council, in colleges of medicine lacking a Department of Physiology, the administrative officer of an academic unit responsible for the discipline of physiology can be admitted to membership.

ARTICLE IV

OFFICERS AND COUNCIL

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

ARTICLE V

MEETINGS

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

ARTICLE VI

QUORUM

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

ARTICLE VII

CHARTER MEMBERS

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

ARTICLE VIII

AMENDMENTS

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