During my past three years as Chair, the Cell and Molecular Section has made great progress in Programs under Simon Lewis, Awards under Chip Montrose, and Communications under Martha O’Donnell. We have also expanded and defined the duties of the Section Executive Committee members as well as changed the section name from Cell and General Physiology Section to Cell and Molecular Physiology Section (CAMPS). We have evolved (devolved) into having no business meeting of the Section at the annual APS meeting at Experimental Biology except at the Dinner. So you must to come to the Section Dinner in order to put in your two-cents worth except during elections and emailing the Executive Committee members.

The Section Executive Committee has so far acted also as the Program Committee under the guidance of Simon Lewis and Pete Cala. Pete Cala will be the new Senior Program Officer beginning in April. He will represent the Section on the Joint Program Committee which plans the APS meeting at Experimental Biology.

I have represented the Section on the SAC (Section Advisory Committee) whose members also form the nominating committee for the society under the chairmanship of the past president. The Cell and Molecular Section has worked closely with the Renal Section to get many of the excellent candidates on the ballot for President and Council. The Epithelial Group (not a Section yet) has also been a collaborator with the Cell and Molecular Section in Programming. These multi-partisan collaborations have strengthened the role of the Section in the Society as well as strengthened the Society as a whole.

There remains much for the Section and the new officers (See Election Results in this Newsletter) to do. Developing the pipeline of suggested symposia and speakers; regularizing the communications and elections; sponsoring APS and FASEB special conferences; updating the Cell and General Physiology part of the Medical Physiology Core Learning Objectives.

I hope to see each of you at FASEB – Experimental Biology 2001 and at the Cell and Molecular Section Dinner on Monday evening (April 2, 2001) during the meeting in Orlando, FL. The Dinner Program along with how to buy tickets (highly subsidized by the Section) are elsewhere in this Newsletter.

- Bob Gunn
**ELECTION RESULTS**

The results of our recent election are in. Newly elected to the Cell and Molecular Physiology Section Steering Committee are:

Section Chair: Michael Jennings  
Councilor: John Cuppoletti and Peter Lauf  
Program Officer: Ronald Lynch  
Postdoctoral Fellow Representative: Caroline Sussman

More information about these new Steering Committee members can be found on the back pages of this newsletter, along with information about continuing committee members. We really need member participation to make this the best Section possible, so PLEASE contact us any time with your comments and suggestions.

**EXPERIMENTAL BIOLOGY 2001**

The Experimental Biology 2001 meeting will be held in Orlando, Florida from Saturday, March 31st through Wednesday, April 4th. Some of the meeting highlights that you should note are:

**HUGH DAVSON DISTINGUISHED LECTURE:**

**Introducing… Carolyn Slayman, Ph.D.**

Dr. Carolyn Slayman, Sterling Professor of Genetics at Yale, will be the **Hugh Davson Distinguished Lecturer** of the Cell and Molecular Physiology Section at Experimental Biology. Professor Slayman will present the lecture, **“Structure, Function and Biogenesis of a Model Cation Pump”** on Monday, April 2, 2001 at 10:15 a.m. in Room 311 C/D of the Orlando Convention Center.  **PLEASE MARK YOUR CALENDAR NOW!!**

Dr. Slayman received her BA from Swarthmore, her Ph.D. from Rockefeller University and her postdoctoral fellowship at Cambridge University. Dr. Slayman began her faculty career as an instructor, then Assistant Professor at Western Reserve. She then joined the faculty at Yale University School of Medicine where she moved from Assistant Professor to Chair of the Department of Human Genetics. She now serves as the Deputy Dean for Academic and Science Affairs at Yale University School of Medicine, a position she has held since 1995.

Dr. Carolyn Slayman is synonymous with transport in *Neurospora crassa*. She has developed this yeast as a model genetic system for the study of transport proteins, kinetics and regulation. In early work on potassium transport and electron transport in *Neurospora* mitochondria to phosphate transporter genetics to plasma membrane H\(^+\)-ATPase structure and function, she has made major contributions to our understanding of cell membrane transporters. She has added genetic techniques and cell biology methods to quantitative cell and molecular physiology to develop an understanding of specific residues and transmembrane segments in the biogenesis and function of cation pumps. This will be her topic for the Davson Lecture this year.
**DISTINGUISHED SPEAKER LUNCHEON FOR STUDENTS AND POST-DOCTORAL FELLOWS**

**STUDENTS AND POSTDOCS:** Here’s your opportunity to have lunch with Dr. Slayman in a small group setting! On **Monday, April 2nd at 12:00 noon**, a “Meet the Distinguished Lecturer Luncheon” will be held in Room 414A of the Orange County Convention Center. This is a FREE LUNCH. Seating is limited to 14 students and/or postdoctoral fellows. You must be a Section member or be in training with a Section member. To reserve a spot, send your request to Martha O’Donnell (see also the enclosed form). You can send in your reservation via postal mail, fax or email (meodonnell@ucdavis.edu). Reservations will be on a first come, first served basis.

**CELL AND MOLECULAR SECTION BANQUET**

The Cell and Molecular Section will hold its EB 2001 Banquet on **Monday, April 2nd**, at **Ming Court, 9188 International Drive, Orlando, Florida 32819 (very close to the Convention Center)**.

The banquet will start with a cocktail/social hour at 6:30 followed by dinner at 7:30 p.m. The banquet speaker this year will be **DOUG EATON, Ph.D.** The title of his talk is “**Egad, Not another Channel; or ENaC, ENaC everywhere**”. This is an important “networking” opportunity for students, postdoctoral fellows and other young investigators. Please spread the word! Tickets for the dinner are $35 for Section members and only $17.50 for students and Postdoctoral Fellows of Section members. **Please note** that this year, a brief Cell and Molecular Physiology Section business meeting will be held during the banquet. The restaurant we have chosen this year has a reputation for excellent cuisine and it is also located very close to the Convention Center. To keep ticket costs at an affordable level, the Section is subsidizing the banquet tickets this year.

**IMPORTANT:** All tickets must be purchased BEFORE the meeting. We will not be able to sell banquet tickets at the EB 2001 meeting. For tickets, send a completed banquet ticket request form with a check (payable to APS: Cell and Molecular Section) to Dr. Martha O’Donnell, Department of Human Physiology, University of California, One Shields Drive, Davis, CA 95616. Ticket requests forms are enclosed with this newsletter.

**CELL AND MOLECULAR PHYSIOLOGY SECTION TRAINEE AWARDS**

We are pleased to announce the winners from our annual awards competition for predoctoral and postdoctoral trainees. First of all, **thank you** to all the trainees who applied for our awards in this cycle. All the abstracts were outstanding, and challenged the Steering Committee to decide on the most meritorious. Without further delay, the winners are….

**Student Award (Predoctoral category)**

**Scott Earley**
University of New Mexico, laboratory of Dr. Thomas Resta
James Roussie
University of Rochester, laboratory of Dr. George Kimmich.

Young Investigator Award (postdoctoral category)
Dr. Shi-Qiang Wang
National Institute on Aging, laboratory of Dr. Heping Cheng

Dr. Eric Rutledge
Vanderbilt University, laboratory of Dr. Kevin Strange

We are also pleased to announce that our section has awarded the Procter and Gamble Award (to predoctoral students allowing them to attend EB01) to Julie Ponthier from Louisiana State University.

CONGRATULATIONS TO ALL OUR AWARD WINNERS! Awards will be presented to the winners at our Banquet so be sure to come and congratulate them in person!

N.B. Trainee awards required that applicants be either primary affiliates of the Cell and Molecular Physiology Section or their mentors be primary affiliates. Due to tremendous interest from the membership, our section’s Steering Committee has decided to open the competition next year to both primary AND secondary affiliates of the section.

**EB 2001 SYMPOSIA AND FEATURED TOPICS SPONSORED BY THE CELL AND MOLECULAR SECTION**

Be sure to attend these Section-sponsored symposia and featured topics!

**SYMPOSIA:**

**TITLE: TIGHT JUNCTIONS: CONVERGENCE OF MOLECULAR AND PHYSIOLOGIC INSIGHTS**
Chaired: James M. Anderson
Sunday, April 1st, 3:15 p.m.-5:15 p.m., Convention Center Room 311 C/D

**TITLE: MODEL ORGANISMS: FUNCTIONAL GENOMICS OF MEMBRANE TRANSPORT**
Chaired: Kevin Strange
Monday, April 2nd, 3:15 p.m.-5:15 p.m., Convention Center Room 311 C/D

**FEATURED TOPICS:**

**TOPIC: CALCIUM SENSING RECEPTORS**
Chaired: Gerda Breitwieser
Wednesday, April 4th, 10:15 a.m.-12:14 a.m., Convention Center Room 311F

**TOPIC: PHYSIOLOGY OF UREA TRANSPORTER**
Chaired: Bob Gunn and Jeff Sands
Sunday, April 1st, 10:15 p.m.-12:15 p.m., Convention Center Room 313

**TOPIC: ELECTRONEUTRAL ION TRANSPORT IN THE CENTRAL NERVOUS SYSTEM**
Chaired: John Payne
Monday, April 2nd, 3:15 p.m.-5:15 p.m., Convention Center Room 312A
MESSAGE FROM THE EDITOR OF THE AMERICAN JOURNAL OF PHYSIOLOGY: CELL

It has been a hectic year for AJP-Cell Physiology. Perhaps rather sooner than we (or the Society) had planned, we became guinea pigs for the on-line manuscript review and submission system, APS Central. Because our entry into the process was a little more precipitous than we would have liked, coupled with some staff turnover in editorial offices, the first few months with the system required a steep learning curve, and I apologize to any members of the section whose manuscripts did not receive as timely a review as they deserved during this teething period. However, the Associate Editors and I, as well as our assistants, and hopefully our authors and reviewers, feel that most of the bugs are out of the system at this point, and that our input had real value in streamlining the submission and review process. APS Central does, however, remain very much a work in progress, and I hope that you will not hesitate to contact me if you have suggestions that could further improve its utility or “user-friendliness”. In the meantime, I believe we will all ultimately benefit from the savings in both time and money involved in the review process, and corresponding increases in efficiency, when submitting to the Journal. I am sure that these issues, coupled with the ongoing strength of the Journal and its increasing impact factor, have contributed to the fact that we have seen an increase in our submission rate over the past year.

2000 was also notable for the Journal in that we published two “Calls for Papers” to encourage submissions in areas that we wished to highlight — in the case of these initial efforts, on using model organisms to define the structure and function of membrane transporters, and on the cytoskeleton and non-muscle motility. Kevin Strange and Kathy Morgan worked very hard to coordinate the review process for the manuscripts submitted in response to these calls, and the fruits of their labors will start to appear in the Journal very shortly.

In closing, I would like to thank the membership of the Section for their support of the Journal over the past year. I have been continuously impressed by the high quality of the very exciting papers we have been receiving, and I believe our covers contain more ground-breaking, and diverse, content than ever before. As always, I remain open to your comments and suggestions as to how we can improve the Journal still further.

Kim E. Barrett
APS: CELL SECTION STEERING COMMITTEE ROSTER
Current (through April 2001)

Chair:
Robert B. Gunn, M.D.  
Department of Physiology
Emory University School of Medicine
Physiology Building, Rm 149
Atlanta, GA  30322-3110
(404) 727-7410   FAX (494) 727-2648
gunn@physio.emory.edu

Vice-Chair:
Martha E. O’Donnell, Ph.D.  
Department of Human Physiology
Univ. of California, Davis, School of Medicine
Tupper Hall
One Shields Ave.
Davis, CA  95616
(530) 752-7626   FAX (530) 752-5423
meodonnell@ucdavis.edu

Program Advisor:
Simon A. Lewis, Ph.D.  
Department of Physiology and Biophysics
University of Texas Medical Branch
Galveston, TX  77555-0641
(409) 772-3397   FAX (409) 772-3381
slewis@utmb.edu

Program Advisor:
Peter M. Cala, Ph.D.  
Department of Human Physiology
Univ. of California, Davis, School of Medicine
Tupper Hall
One Shields Ave.
Davis, CA  95616
(530) 752-1285   FAX: (530) 752-5423
pmcala@ucdavis.edu

Councillor
Marshall H. Montrose, Ph.D.  
Indiana University
MS 307
635 Barnhill Drive
Indianapolis, IN 46202
(317) 278-3674   FAX: (317) 278-3840
mmontros@iupui.edu

Ex-Officio, AJP: Cell Editor
Kim E. Barrett, Ph.D.
Editor, AJP: CellUCSD Medical Center 8414
200 West Arbor Drive
San Diego, CA  92103, USA
Voice: (619) 543-7201
FAX: (619) 543-3541
kbarrett@ucsd.edu
Chair:
Department of Physiology and Biophysics
University of Arkansas Medical Sciences
4301 W. Markham St. MS 505
Little Rock, Arkansas 72205-7199
(501) 296-1438  FAX (501) 686-8167
jenningsmichaell@exchange.uams.edu

Vice-Chair:
Department of Human Physiology
Univ. of California, Davis, School of Medicine
Tupper Hall
One Shields Ave.
Davis, CA 95616
(530) 752-7626  FAX (530) 752-5423
meodonnell@ucdavis.edu

Program Advisor:
Peter M. Cala, Ph.D.  (1998-2002)
Department of Human Physiology
Univ. of California, Davis, School of Medicine
Tupper Hall
One Shields Ave.
Davis, CA 95616
(530) 752-1285  FAX: (530) 752-5423
pmcala@ucdavis.edu

Program Advisor:
Department of Physiology
University of Arizona Health Science Center
Tucson, Arizona 85724
(520) 626-2472  FAX (520) 626-2383
rlynch@u.arizona.edu

Councillor
Molecular and Cellular Physiology
Department of Internal Medicine
University of Cincinnati College of Medicine
P.O. Box 670576
231 Bethesda Ave.
Cincinnati, Ohio 45267-0576
(513) 558-3022  FAX (513) 558-5738
john.cuppolletti@uc.edu

Councillor
Department of Physiology and Biophysics
Wright State University
School of Medicine
Dayton, Ohio 45435
(937) 775-3024  FAX (937) 775-3769
peter.lauf@wright.edu

Post-doctoral Fellow Representative:
Department of Neuroscience
Case Western Reserve University
School of Medicine
10900 Euclid Ave.
Cleveland, Ohio 44106-4975
(216) 368-6170  FAX (216) 368-4650
crs13@po.cwru.edu

Ex-Officio, AJP: Cell Editor
Kim E. Barrett, Ph.D.
Editor, AJP: Cell
UCSD Medical Center 8414
200 West Arbor Drive
San Diego, CA 92103, USA
Voice: (619) 543-7201
FAX: (619) 543-3541
kbarrett@ucsd.edu
REQUEST FOR EB 2001
CELL AND MOLECULAR PHYSIOLOGY SECTION

BANQUET TICKETS

MONDAY, APRIL 2ND
*Ming Court Restaurant*

9188 INTERNATIONAL DRIVE
ORLANDO, FL

APPETIZERS & SOCIAL HOUR/6:30 P.M.
DINNER 7:30 P.M.

$35 Members  Number of tickets needed ____________

$17.5 Students and Postdocs of section members  Number of tickets needed ____________

Please provide names of all attendees for which you are requesting tickets:

Mailing information for tickets:
Name  __________________________________________________________

Address  ________________________________________________________

Telephone No.  __________________________ Email  ____________________

Total amount enclosed for ticket(s) __________________________

Send completed form and check *(payable to APS Cell and Molecular Section)* to:
Martha E. O’Donnell
Department of Human Physiology
Tupper Hall
University of California
One Shields Ave.
Davis, CA  95616
meodonnell@ucdavis.edu
REQUEST FOR TICKETS
EB2001
CELL AND MOLECULAR PHYSIOLOGY SECTION
MEET THE DISTINGUISHED LECTURER LUNCHEON
MONDAY, APRIL 2ND
12:00 noon
ROOM 414A, ORANGE COUNTY ORLANDO CONVENTION CENTER, ORLANDO

Name: ____________________________________________

Are you a:
Student ________?  Postdoctoral fellow ____________?

Name of your current graduate/postdoctoral professor:

_________________________________________________

Mailing information for tickets:

Name ____________________________________________

Address _________________________________________

________________________________________________

________________________________________________

Telephone No. ____________________  Email ____________________

Send completed form to:
Dr. Martha E. O’Donnell
Department of Human Physiology
Tupper Hall
University of California
One Shields Ave.
Davis, CA 95616
meodonnell@ucdavis.edu