I hope that you all are enjoying at least a few hints of spring. It is a time of change for the American Physiological Society. Executive Director, Martin Frank will be retiring at the end of June. I would like to extend my appreciation for his many years of service to the Society, and to acknowledge his support for physiology education and for the Teaching Section. As part of the strategic planning process, seven task forces have been working to review many APS policies and procedures. Some changes that have already been made include modifications in the EB program. Sessions have been shortened for EB18, and there is a proposal is to reduce the number of sessions programmed by each APS Section at EB19. One of the goals is to program more sessions that integrate topics across APS Sections. I believe that the Teaching Section should respond by creating more Cross-Society sessions. We have successfully done several symposia in collaboration with AAA and other Societies. APS Council will vote on the recommendations from the task forces at the April meeting. Change is a necessary part of the life of any organization, and many of the outcomes from the strategic planning process will be healthy for the Society. However, it is important that the members of the Teaching Section be prepared to work to ensure that the Society continues to prioritize initiatives that maintain and improve the quality of physiology education. If you are planning to attend EB18 in San Diego, then please consult the schedule for teaching section events and other educational sessions included in the newsletter. I look forward to our conversations in San Diego!

Kind Regards,

Lynelle Golden
Advances in Physiology Education

Updates from the Editor-In-Chief, Doug Everett, Ph.D.

1. Best Practices Series
   - In the last year Advances added one publication to its Best Practices series:
     Kulamakan Kulasegaram and Chari Rangachari: review assessments to enrich student learning.

   Previous papers:
   - Marsha Matyas and Dee Silverthorn: the history and evolution of the community of practice that is passionate about education in science and physiology.
   - Denise Kay and Jon Kibble: theories about learning and their application to teaching.
   - Mo Khalil and Ihsan Elkhider: instructional design.
   - Jon Kibble: summative assessment.

   In future installments, Best Practices papers will explore active and student-centered learning, educational research and scholarship, engaging lectures, flipped classrooms, and mentoring.

2. Metrics for the Journal and Papers

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<tbody>
<tr>
<td>Manuscripts</td>
<td>182</td>
<td></td>
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<tr>
<td>Final Decision</td>
<td>160</td>
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<tr>
<td>Accepted</td>
<td>106</td>
<td>58</td>
</tr>
<tr>
<td>Rejected</td>
<td>54</td>
<td>30</td>
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</table>

Therefore 22 manuscripts (12%) are in the system without a final decision.
From the About Advances page [http://www.physiology.org/advances/about]:

**METRICS**

**2016 Impact Factor:** 1.755 (#58 in Physiology)

**2016 Cited Half-Life:** 8.7 years

**Avg. time to first decision:** 32 days

**Avg. time to final publication:** 2.2 months

From the Web of Science:

**The thrill of the paper, the agony of the review**

*By: Euan-Evans, D.* (Euan-Evans, Douglas [1,3])

**ADVANCE S IN PHYSIOLOGY EDUCATION**

Volume: 41 Issue: 3 Pages: 338-340

DOI: 10.1152/advan.00069.2017

Published: SEP 2017

**View Journal Impact**

**Impact Factor**

1.755 1.823

2016 5 year

**JCR® Category**

**Rank in Category**

**Quartile in Category**

**EDUCATION, SCIENTIFIC DISCIPLINES**

16 of 41 Q2

**PHYSIOLOGY**

58 of 84 Q3

*Data from the 2016 edition of Journal Citation Reports*

For each paper the new platform provides the number of PDF downloads since Dec 2017:

These metrics also include the number of times a paper has been picked up by news outlets, blogged, or tweeted.
3. Guidelines for Reporting Statistics
In March 2017 the Publications Committee approved the publication of my Editorial, *Small steps to help improve the caliber of the reporting of statistics*, and—as a pilot—the promotion of SD and precise $P$ values in *Advances* alone.

*Interim assessment (July 2017 through February 2018):* Of 120 papers submitted during this period, 50 reported statistics. Of those 50 papers:
- 50% reported SD (rather than SE) in the original submission;
- 26% reported SD in the preferred format [mean (SD #)];
- 64% reported a precise $P$ value (rather than simply $P<0.05$);
- I have heard no comments from authors or relayed by Associate Editors.

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**Trainee Advisory Committee**

Dear fellow trainees,

It’s almost time for EB! Keep an eye out for the APS Trainee Newsletter. It will have a list of many of the trainee-specific events that will be going on. I’d like to specifically call your attention to two events that you should have on your radar:
- The Trainee Symposium will be Sunday, Monday, and Tuesday mornings from 7-8 am in the Convention Center Room 25A. We will have 3 days of talks on how to improve the rigor and reproducibility of your experiments. I can’t underestimate how important this topic is, especially in light of the new grant and publishing requirements in this area. For more information visit: [http://www.the-aps.org/mm/Careers/Mentor/Rigorously-Reproducible-Research](http://www.the-aps.org/mm/Careers/Mentor/Rigorously-Reproducible-Research).
- The Teaching Section is hosting a Trainee Mentoring Mixer on Tuesday afternoon from 4:30-5:30pm in the Marriott Marquis San Diego Marina Hotel La Costa Room. We’ll have hot appetizers and drinks for you while you make mingle and make the rounds with some of our distinguished teaching section members. Don’t miss this opportunity to build your network and have some tasty food! RSVP by visiting: [https://goo.gl/forms/uXfVD1uN6hYJQ7hh1](https://goo.gl/forms/uXfVD1uN6hYJQ7hh1)

Congratulations to Tara Slominski, a Ph.D. graduate student from North Dakota State University who was selected as the inaugural recipient for the William Galey Professional Skills Training Scholarship Award. She will use the scholarship to attend the 2018 APS Institute on Teaching and Learning in Madison, WI, this summer. For more information on trainee awards from the Teaching Section, visit: [http://www.the-aps.org/mm/awards/sections/teach](http://www.the-aps.org/mm/awards/sections/teach).

Finally, we still need another grad student and postdoc for the Teaching Section Trainee Subcommittee. If you would like to be more involved in the APS and the Teaching Section, please email me at ryan.downey@georgetown.edu.

See you in San Diego!
Ryan Downey, Ph.D.
Teaching Section Trainee Representative
The Career Opportunities in Physiology Committee supports a number of APS programs to foster the career development of physiologists of all ages:

**EB Symposium: “Hallmarks of and ground rules for productive collaborations in science”**

Join us Sunday, Monday and Tuesday at 7:00am-8:00am in the San Diego Convention Center, Room 25B for a light breakfast and “nuts and bolts” series of discussions on collaborations. Specific questions panelists will discuss include: How do I establish and maintain a successful collaboration?; What does communication and data sharing look like in a productive collaboration?; What does a ‘typical’ collaboration look like and entail?; How are intellectual property rights and authorship managed across collaborations? Each day will feature different speakers and their perspectives on these topics. Visit [http://www.the-aps.org/collaborations-in-science](http://www.the-aps.org/collaborations-in-science) for more information.

**Experimental Biology Undergraduate Orientation and Poster Sessions**

Open to all undergraduate students attending EB, the Undergraduate Orientation session serves as a primer to help the students get the most out of their EB experience, and includes award presentations for various APS-sponsored undergraduate research programs. This will be held at the Marriott Marquis & Marina (room TBA) from 3:30-5:30pm on Saturday, April 21. There is also a special poster session for undergraduate students at EB, held from 4:00-5:30pm (undergrad presenters must arrive by 3:00pm to hang posters) on Sunday April 22 in the San Diego Convention Center, Sails Pavilion – please stop by and meet the next generation of physiologists!

**Positively Influence a Future Physiologist at EB 2018**

Volunteer APS member hosts (PIs, postdocs or graduate students) are needed to guide local high school students and teachers around the EB exhibits and posters on Monday, April 23, from 11 a.m. to 1:30 p.m. Each year, students say this is their favorite part of the teacher-student workshop day. Follow the link: [https://www.surveymonkey.com/r/HighSchoolStudentTeacherTourGuideEB2018](https://www.surveymonkey.com/r/HighSchoolStudentTeacherTourGuideEB2018)

**APS Video Contest – VOTE NOW!!**

Each year we encourage undergraduate and graduate students to creatively connect with physiology and bring it the broader public through a short video contest. This year we have 9 videos and it is time to vote for the viewer’s choice award – YOU be the judge! The video with the most views before April 21 wins a $250 prize! To view this year’s entries, go to: [http://bit.ly/1nmGEWf](http://bit.ly/1nmGEWf)

**The APS Local Undergraduate Research Award in Physiology (LURAP)**

LURAP allows APS Members to recognize excellence in physiology research by undergraduates at their home institutions. The award fosters interest in physiological research for undergraduates, encourages them to continue with physiological studies, and provides networking with APS members at their home institutions. The award package includes a certificate, an APS t-shirt, and a free one-year undergraduate membership. Visit [www.the-aps.org/lurap](http://www.the-aps.org/lurap) for more information.
Upcoming Events

Join us for the third ITL which is designed for those who teach physiology or who are interested in teaching physiology. Connect with peers in a friendly setting to learn best practices for evidence-based teaching of physiology. Organized by the APS Teaching Section

https://youtu.be/34IO1HhrMso

Teaching of Physiology Section Banquet

WHERE: The Fish Market  
750 North Harbor Drive  
San Diego, CA 92101

WHEN: Monday, April 23, 2018  
TIME: 7:00 – 10:00 PM

COST: $65.00 USD Faculty  
$40.00 USD Students/Postdocs

MENU:
Entrée choice of Scottish Salmon, Sea Scallops, Chicken Breast, or New York steak (sides of roasted vegetables and fishwife rice), *or (vegan option) Garlic Prawn Linguini.

Appetizers: Family-style smoked fish sampler
Second Course: Choice of Garden Salad or New England Clam Chowder
Desert: Choice of Key lime pie or Tiramisu

* Part of a separate vegan menu, please contact me and I shall send it to you

Price includes beverages (coffee, tea, soda, juice) and an open bar (with two recommended wines) for dinner. Private venue in the adjacent Banquet Room and Brick Patio (see above).
Contribute to the Bill Galey Scholarship Fund

Please consider supporting the Teaching Section’s Scholarship Fund named after Dr. Bill Galey. The APS has recently increased its matching funds up to $50,000 so please donate at the APS Website. A description of the Fund is given below.

http://ebus.the-aps.org/personifyebusiness/OneClickDonation.aspx?ProductId=1939748

EB Related Sessions of Interest

APS Communications Committee Workshop:

Social Media for the Professional Scientist

• 3:00 -4:30 PM
• Convention Center, Room 25C
• Saturday, April 21
• Chair: Barbara Goodman, co-chair: Megan Rhoads

In this 90-minute interactive workshop organized by the APS Communications Committee, we’ll discuss why social media remains a popular option for researchers who want to connect with colleagues about science and the unique discussions that social platforms enable among the research community. Established and emerging platforms popular with researchers, the use of analytics to measure social impact and best practices of popular scientists on social media will also be addressed.

Join us at a Physiology Majors Interest Group (P-MIG) networking session at Experimental Biology sponsored by APS: 2:00 PM on Monday at the Marriott in Grand Ballroom 4
<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Saturday, April 21</td>
<td>11:30 Buffet Lunch</td>
<td>Marriott Marquis San Diego Marina Hotel La Jolla/La Mesa Rooms Leucadia Room</td>
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<td></td>
<td>12:00-2:00</td>
<td>Teaching Section Steering Committee Meeting</td>
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<tr>
<td></td>
<td>3:00-4:30 pm</td>
<td>Social Media for the Professional Scientist (Communications Committee) Chair: Barb E. Goodman, Co-Chair: Megan Rhoads</td>
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<td></td>
<td>7:00-8:30 pm</td>
<td>EB Science Outreach Activity Poster Session (During EB Welcome Reception)</td>
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<tr>
<td>Sunday, April 22</td>
<td>8:30-10:00 am</td>
<td>Addressing Higher Levels of Bloom's Taxonomy in the Teaching and Learning of Physiology Session Chair: H. Clements-Jewery Session Co Chair: M. Hopper</td>
</tr>
<tr>
<td></td>
<td>10:00 am-12:00 pm</td>
<td>Innovations in Physiology Education I Poster Sessions</td>
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<td></td>
<td>12:00-1:00 pm</td>
<td>APS Teaching of Physiology Section Complimentary Round Table Box Lunch</td>
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<tr>
<td></td>
<td>3:30-4:30 pm</td>
<td>Claude Bernard Distinguished Lectureship Jenny McFarland</td>
</tr>
<tr>
<td>Monday, April 23</td>
<td>8:30-10:00 am</td>
<td>Adaptations in Physiology Education Chair: David Lee Osborne</td>
</tr>
<tr>
<td></td>
<td>10:00 am-12:00 pm</td>
<td>Innovations in Physiology Education II Poster Sessions</td>
</tr>
<tr>
<td></td>
<td>3:30-5:00 pm</td>
<td>Synergizing Teaching and Scholarship Chair: D. M. Harris</td>
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<td></td>
<td>5:30-6:45 pm</td>
<td>APS Teaching Section Business Meeting</td>
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<tr>
<td></td>
<td>7:00-10:00 pm</td>
<td>APS Teaching Section Banquet Dinner</td>
</tr>
<tr>
<td>Tuesday, April 24</td>
<td>4:30-5:30 pm</td>
<td>Teaching Section Trainee Mentoring Mixer</td>
</tr>
<tr>
<td>Wednesday, April 25</td>
<td>10:00 am-12:00 pm</td>
<td>Teaching of Physiology Poster Presentations</td>
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*Meeting times and room locations are subject to change, please check the final program upon your arrival in San Diego.*
# Teaching of Physiology Section Steering Committee

## Elected Officers

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Affiliation</th>
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</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Lynelle Golden</td>
<td>Bastyr University</td>
<td><a href="mailto:lgolden@bastyr.edu">lgolden@bastyr.edu</a></td>
</tr>
<tr>
<td>Past Chair</td>
<td>Jonathan Kibble</td>
<td>University of Central Florida</td>
<td><a href="mailto:jonathan.kibble@ucf.edu">jonathan.kibble@ucf.edu</a></td>
</tr>
<tr>
<td>Section Program Committee Chair</td>
<td>David Osborne</td>
<td>Burell College of Osteopathic Medicine, NM</td>
<td><a href="mailto:dosborne@bcomnm.org">dosborne@bcomnm.org</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Cynthia Metz</td>
<td>University of Louisville</td>
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</tr>
<tr>
<td>Treasurer/Events/Awards</td>
<td>Bruce Wright</td>
<td>Ross University School of Medicine</td>
<td><a href="mailto:dr_bruce_wright@yahoo.com">dr_bruce_wright@yahoo.com</a></td>
</tr>
<tr>
<td>Liaison to Education Committee</td>
<td>Patricia Halpin</td>
<td>University of New Hampshire, Manchester</td>
<td><a href="mailto:patricia.halpin@unh.edu">patricia.halpin@unh.edu</a></td>
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## Appointed Officers

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<tr>
<th>Position</th>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Committee on Committees Representative</td>
<td>Robert Augustyniak</td>
<td>Edward Via College of Osteopathic Medicine</td>
<td><a href="mailto:raugustyniak@carolinasc.vcom.edu">raugustyniak@carolinasc.vcom.edu</a></td>
</tr>
<tr>
<td>Physiologists in Industry Committee</td>
<td>Lynn Cialdella</td>
<td>Case Western</td>
<td><a href="mailto:lak99@case.edu">lak99@case.edu</a></td>
</tr>
<tr>
<td>Trainee Representative</td>
<td>Ryan Downey</td>
<td>Georgetown University Medical Center</td>
<td><a href="mailto:ryan.downey@georgetown.edu">ryan.downey@georgetown.edu</a></td>
</tr>
<tr>
<td>Fellows Committee</td>
<td>Chaya Gopalan</td>
<td>Southern Illinois University</td>
<td><a href="mailto:cgopala@siue.edu">cgopala@siue.edu</a></td>
</tr>
<tr>
<td>Institute of Teaching and Learning Representative</td>
<td>Barb Goodman</td>
<td>Univ. of South Dakota Sanford School of Medicine</td>
<td><a href="mailto:barb.goodman@usd.edu">barb.goodman@usd.edu</a></td>
</tr>
<tr>
<td>International Member</td>
<td>Maria Jose Alves da Rocha</td>
<td>Universidade de São Paulo</td>
<td><a href="mailto:mjrocha@forp.usp.br">mjrocha@forp.usp.br</a></td>
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## APS Committee Members

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Awards Committee Member</td>
<td>Robert Augustyniak</td>
<td>Edward Via College of Osteopathic Medicine</td>
<td><a href="mailto:raugustyniak@carolinasc.vcom.edu">raugustyniak@carolinasc.vcom.edu</a></td>
</tr>
<tr>
<td>Awards Committee Member</td>
<td>David Harris</td>
<td>University of Central Florida</td>
<td><a href="mailto:david.harris2@ucf.edu">david.harris2@ucf.edu</a></td>
</tr>
<tr>
<td>Communications Committee Chair</td>
<td>Barbara Goodman</td>
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<td><a href="mailto:barb.goodman@usd.edu">barb.goodman@usd.edu</a></td>
</tr>
<tr>
<td>Communications Committee Member</td>
<td>Kim Henige</td>
<td>Cal State University Northridge</td>
<td><a href="mailto:kim.henige@csun.edu">kim.henige@csun.edu</a></td>
</tr>
<tr>
<td>Distinguished Physiologists Committee Member</td>
<td>Patangi K. Rangachari</td>
<td>McMaster University</td>
<td><a href="mailto:chari@mcmaster.ca">chari@mcmaster.ca</a></td>
</tr>
</tbody>
</table>
Association of Chairs of
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Dee Silverthorn
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silverthorn@mail.utexas.edu

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Awards Committee
Member
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Edward Via College of Osteopathic Medicine
raugustyniak@carolinas.vcom.edu

Ex-Officio Members

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<tr>
<th>Position</th>
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<tbody>
<tr>
<td>Director of APS Education Programs</td>
<td>Marsha Matyas</td>
<td>APS, Education Office</td>
<td><a href="mailto:mmatyas@the-aps.org">mmatyas@the-aps.org</a></td>
</tr>
<tr>
<td>Education Committee Chair</td>
<td>Jeffrey Osborn</td>
<td>University of Kentucky</td>
<td><a href="mailto:jeffrey.osborn@uky.edu">jeffrey.osborn@uky.edu</a></td>
</tr>
<tr>
<td>Editor, Advances in Physiology Education</td>
<td>Doug Curran-Everett</td>
<td>National Jewish Health</td>
<td><a href="mailto:EverettD@NJHealth.org">EverettD@NJHealth.org</a></td>
</tr>
<tr>
<td>Chair, Guyton Award Committee</td>
<td>Beth Beason-Abmayr</td>
<td>Rice University</td>
<td><a href="mailto:bbeason@rice.edu">bbeason@rice.edu</a></td>
</tr>
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Other appointments

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<th>Affiliation</th>
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</thead>
<tbody>
<tr>
<td>Past Chair, Guyton Award Committee</td>
<td>John Dobson</td>
<td>Georgia Southern University</td>
<td><a href="mailto:jdobson@georgiasouthern.edu">jdobson@georgiasouthern.edu</a></td>
</tr>
<tr>
<td>Chair-Elect, Guyton Award Committee</td>
<td>Greg Brower</td>
<td>Texas Tech University, School of Medicine</td>
<td><a href="mailto:Greg.brower@ttuhsc.edu">Greg.brower@ttuhsc.edu</a></td>
</tr>
</tbody>
</table>

Please note:

In an effort to save paper and resources, we will no longer be mailing hard copies of the Teaching Section Newsletter. To view editions of the newsletter, please visit:
http://www.the-aps.org/mm/hp/Audiences/Sections/Teach/teach-newsletters
or look for updates on APS Connect!

For questions or comments regarding this newsletter, please contact Cynthia Metz, Secretary of the APS Teaching Section at cynthia.metz@louisville.edu