



# 2014 YEAR IN REVIEW



AMERICAN  
ASSOCIATION OF  
ANATOMISTS

# ABOUT THE AMERICAN ASSOCIATION OF ANATOMISTS

**Mission:** Advancing anatomical science through research, education, and professional development.

The American Association of Anatomists (AAA) was founded by Joseph Leidy in Washington, D.C. in 1888 for the “advancement of anatomical science.” Today, via research, education, and professional development activities, AAA serves as the professional home for an international community of biomedical researchers and educators focusing on the structural foundation of health and disease. In 1993, AAA joined the Federation of American Societies for Experimental Biology (FASEB). FASEB is the nation’s largest coalition of biomedical researchers, representing 27 scientific societies and over 120,000 researchers from around the world.



*Joseph Leidy,  
American Association of Anatomists founder*

## Table of Contents

|                           |         |
|---------------------------|---------|
| Timeline                  | page 2  |
| Membership by the Numbers | page 3  |
| Research                  | page 4  |
| Education                 | page 6  |
| Professional Development  | page 8  |
| Awards and Grants         | page 10 |
| Financials                | page 12 |
| Committees                | page 13 |

# DEAR MEMBERS:



For our first ever AAA Year in Review, and as I wind down my tenure as your President, I'd like to ruminate a little on our activities in 2014, and give you some hints of things to come during 2015. This letter will hopefully highlight much of the positive of our Association, but it is also going to serve

as a bit of a kick in the pants, which the Free Dictionary defines as "a strong message of encouragement or demand." Keeping in mind our mission to advance anatomical science through research, education, and professional development, we have several notable accomplishments over the last 12 months.

In 2014 we added a significant new award to our already extensive list of awards, the Innovation Grant. We received 35 proposals in our first call for proposals, and a task force assembled to assess the proposals selected two for funding. One proposal fits our mission to advance anatomical science through professional development: "Professional Development Webinars: Filling in the Gaps" submitted on behalf of the Professional Development Committee by Phillip Brauer. The other fits our mission of advancing education: "American Association of Anatomists' International Virtual Microscope Slide Repository (AAA-IVMSR) – Innovations in Resource Sharing and Collaboration" submitted by Lisa M.J. Lee, Michael Hortsch, and Haviva M. Goldman. Both were highlighted in our new online newsletter *Anatomy Now*. I look forward to future funded proposals to be even more creative, and that some of these will also serve our mission to advance anatomical science through research.

An innovative forum for members to connect with one another was also launched in 2014 – Anatomy Connected. This members-only forum allows for general discussion, or you can join a community such as the Digital Histology Interest Group, the Education & Teaching Community Forum or the Professional Development Community. These communities serve as resources for trouble-shooting issues you might have at your institution, and provide you with the latest information on innovative new methods you might want to institute in your courses.

A small but likely most impactful change we have made is our "call for volunteers," where volunteers for committees provide us with details as to why they are a good fit for a particular committee or a Board position, and what they bring to the table in expertise. In addition, instead of the committee selection being an obtuse activity carried out by the President-Elect and the Executive Director, the committee chairs now make selections to the committees, with input and advice as needed from the executive committee. Our nominations committee will hopefully be getting more nominations to ensure an excellent slate of candidates for annual election to the Board. Several very vocal members have let me know they feel our Association is losing high quality science and scientists in favor of being a more social organization. With this new volunteer and nomination process, the onus is now on the members to ensure they nominate the best people for the job. If you are an exceptional scientist and you do not either volunteer or nominate exceptional colleagues for open positions, then you are part of the problem, not part of the solution. Our educator-focused colleagues are at least as busy as our research colleagues, and I do not hear complaints about too few educators on committees.

For those who wonder what member benefits there are for them, I want to remind everyone that we have postdoctoral fellowships (3 given in 2014), the anatomy training program, which is a grant for increasing the number of highly skilled anatomy educators (3 in 2014), a visiting scholars award (11 in 2014), outreach grants (9 in 2014) and travel awards for young faculty and students to attend the annual meeting at Experimental Biology (191 in 2014).

One of my last activities as President is to work closely with the Board and Executive Director to do a 360-degree review of our governance structure, and to make updates and improvements that will make our organization's leadership more transparent, streamlined, and efficient. I look forward to seeing many of you at our annual events, and hope to see you as active participants in and beneficiaries of the many AAA activities and benefits provided.

Sincerely,

A handwritten signature in purple ink that reads "Opperman". The signature is enclosed in a hand-drawn purple oval.

Lynne A. Opperman, Ph.D.  
President 2013-2015

# 2014 TIMELINE



JANUARY

AAA releases its strategic plan outlining five areas of strategic growth and vision.



FEBRUARY

Our newsletter goes digital! Monthly email newsletter replaces the quarterly newsletter of years past. Information comes quicker and spares more trees.



MARCH

Representatives from AAA visit Capitol Hill on March 5th to meet with members of Congress about increasing the budgets of the National Institutes of Health (NIH), the National Science Foundation (NSF), and other science agencies.



APRIL

AAA holds its annual meeting at Experimental Biology 2014 in San Diego, CA. A record breaking 583 abstracts were submitted. The members-only online community "Anatomy Connected" is launched.



MAY

*The Anatomical Record* launches "WOW"-Video Article. Digital video files are published as peer-reviewed, primary figures embedded in papers. This stands as a publication innovation "first" for any anatomical-based, peer-reviewed journal.



JUNE

The first Special Interest Group is created on Anatomy Connected—The Digital Histology Interest Group is launched and soon followed by the Professional Development Community, and the Education and Teaching Community later in the year.



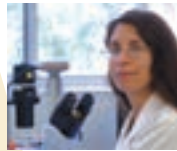
JULY

The Anatomy Training Program takes place at the University of Oxford in England.



AUGUST

Delegates from AAA attend the International Federation of Associations of Anatomists. Innovation Grants program launched. New pilot initiative provides funding to support new scientific, educational, or professional development programs and services developed by members and committees.



SEPTEMBER

National Postdoc Appreciation week. AAA highlights work of its postdocs and awards 3 AAA post-doctoral fellowship program awards in 2014 totaling \$20,000 each in salary support to a member who is a postdoctoral fellow working in any aspect of biology relevant to the anatomical sciences.



OCTOBER

Philadelphia Regional Meeting held on October 11, 2014.



NOVEMBER

Membership grows to over 2,000.



DECEMBER

Two programs are selected for the Innovation Grants Program-Webinars: Filling in the Gaps; and American Association of Anatomists' International Virtual Microscope Slide Repository (AAA-IVMSR) – Innovations in Resource Sharing and Collaboration

# MEMBERSHIP BY THE NUMBERS

We support members with opportunities to enhance their careers, expand and share their scientific research, and grow their professional networks.

**2,041**  
Total Members in

Referred Members: **122**

**57**  
Countries

## Job Listings

The Job Listing section of the website is the 2nd most popular page on the site. Jobs are available in the field of anatomy or related areas of biomedical research or education.

**76** Positions Listed

**435** New Members

## Facebook

In 2014, Facebook became a major information hub for the Association and anyone interested in anatomy. Like, share, and comment on the American Association of Anatomists official Facebook page. [www.facebook.com/Anatomists](http://www.facebook.com/Anatomists). In 2014 there were:



Anatomy Connected Posts: **584**  
[anatomyconnected.anatomy.org](http://anatomyconnected.anatomy.org)

**832** New Likes and **3056** Total Likes

# RESEARCH

Classical anatomists continue to bring to light new and groundbreaking insights into the human body, while cell biologists delve deep into the very basic form of life, and neuroscientists take us through the inner workings of the brain. Research in the field of anthropology, developmental biology, and physical therapy all broaden our understanding of anatomical science and uncover the vast world of anatomy.

## SCHOLARLY JOURNALS

Our three journals, *The Anatomical Record*, *Developmental Dynamics*, and *Anatomical Sciences Education*, published through Wiley, serve as the hub of research for the Association. Members consistently fill the ranks of the journal editorial boards and their published authors.



Editor: Kurt H. Albertine, Ph.D.  
208 Published Articles  
Top Downloaded Article:  
“The Nasal Complex of Neanderthals: An Entry Portal to their Place in Human Ancestry”



Editor: Parker B. Antin, Ph.D.  
154 Published Articles  
Top Downloaded Article:  
“Hox Genes Regulation in Vertebrates”



Editors: Richard L. Drake, Ph.D. and Wojciech Pawlina, M.D.  
68 Published Articles  
Top Downloaded Article:  
“The Production of Anatomical Teaching Resources Using Three-dimensional (3D) Printing Technology”

## AWARDS AND GRANTS

### Henry Gray Scientific Achievement Award

Our highest scientific achievement award recognizes unique and meritorious contributions to and achievements in anatomical sciences by a distinguished member. Recipients present a lecture at the annual meeting at Experimental Biology outlining their field of research, and also receive a \$1,500 honorarium and travel award.

### Young Investigator Awards

Members and non-members within 10 years of their highest degree are eligible for the Young Investigator Award. Nominees have made important contributions to biomedical science through their research in cell/molecular biology, developmental biology, comparative neuroanatomy, or the morphological sciences. Recipients receive a \$1,000 honorarium, travel reimbursement to the next annual meeting at Experimental Biology, and non-members receive membership in the organization.

### Keith & Marion Moore Young Anatomists Publication Award

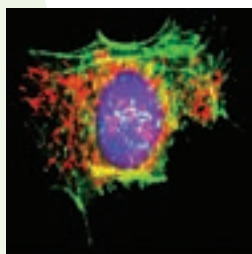
This award recognizes the best publication by a member in either *The Anatomical Record*, *Developmental Dynamics*, or *Anatomical Sciences Education*. Recipients receive a \$500 honorarium and up to \$500 in travel support to the next annual meeting at Experimental Biology.

## Synthetic Cell Biology: Creating Designer Cells

Takanari Inoue

DEGREE: Ph.D.,  
Chemical Biology

OCCUPATION:  
Associate Professor in Cell  
Biology, Cell Dynamics,  
Pharmacology, Biological  
Science and Biomedical  
Engineering, Johns  
Hopkins University



As a relatively new AAA member, Dr. Inoue brings to light both the depth and breadth of research in the membership ranks of AAA. From classically trained anatomists, to neuroscientists, to cell biologists, members are on the forefront of their field and bring to AAA a diversity of talent unparalleled in our history.

Dr. Inoue was the recipient of the 2014 Young Investigator R.R. Bensley Award in Cell Biology. His work deals with some of the smallest things on our planet—molecules and cells. Dr. Inoue is working to understand how cells achieve such sophisticated processing using a finite set of molecules within a confined space — what his group calls the “signaling paradox.” This process is critical to cell biology and bioengineering as well as the emerging field of synthetic biology. In parallel, Dr. Inoue’s lab also tries to understand how cell morphology affects biochemical pathways inside cells.

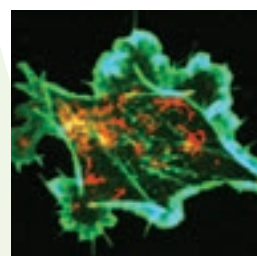
“The work I conducted that led to my Young Investigator Award dealt with developing and implementing a technique to induce the presentation of a molecule of interest at the cell surface on a timescale of minutes. By presenting a molecule that specifically binds to a target apoptotic cell, and by additionally applying a technique to reduce cell membrane stability we were able to rapidly turn inert human HeLa cells\* into “eat you” mode and make them bind and engulf apoptotic human Jurkat T cells (cells used to study acute T cell leukemia).

This technique may be used as a targeted cell-based therapy where unwanted cells with characteristic surface molecules will be rapidly eliminated by engineered cells. This will have lasting effects on treating a host of diseases from digestive and kidney disorders to cancer. These “designer immune cells” could be the future of targeting “bad cells” with the help of engineered designed neighbor cells.

Along with his work for his home institution, Dr. Inoue has become more involved in AAA. “I’ve been able to chair a scientific session at the annual meeting, and serve on a review committee for the Young Investigator Awards. This is the same committee that awarded me my own Young Investigator Award in 2014.”

“The prestigious R.R. Bensley Award is one of the highest honors I have received in my scientific career. The award has previously been given to researchers who are now very well established in their fields. The award has thus encouraged me to follow in the footsteps of my predecessors. Being a part of the AAA has allowed me to interact with scientists I might not have otherwise known except through this AAA connection. Two previous R.R. Bensley awardees work in the field of primary cilia and as one of my research programs focuses on primary cilia as well, I will be chairing one symposium at EB 2015 where all three of us will be reunited.”

“Many people may think that anatomy is antiquated. Indeed, the society has over 100 years of history, but anatomy is never outdated. As a matter of fact, it is so fundamental that the discipline is still central to many modern scientific fields such as synthetic cell biology, which is a primary focus of my lab.”



Photos this page courtesy  
Inoue Lab

\*HeLa cells are the most widely used cell line in biomedical research. They are a line of cells taken from Henrietta Lacks, and the story of these cells became a household name with the publication of *The Immortal Life of Henrietta Lacks* by Rebecca Skloot.

## The Education of an Anatomist

Sonya E. Van Nuland

**DEGREE:** MSc,  
Clinical Anatomy  
Ph.D., Clinical Anatomy  
(expected 2017)

**OCCUPATION:** Graduate Student, The Department of Anatomy and Cell Biology, Schulich School of Medicine and Dentistry, Western University, London, Canada



Ms. Van Nuland focuses her burgeoning scientific career on the tools available to help students learn anatomy, and learn it efficiently and effectively. The onslaught of e-learning tools in the science field, especially in the image heavy world of anatomy, can have lasting implications on how anatomy is taught in the classroom.

As a student member of the Association, Ms. Van Nuland has a unique perspective to the demands of growing a career, completing a Ph.D., submitting and presenting at international conferences, and actively volunteering for AAA. Her doctoral research deals with the measurement of cognitive load during e-learning tool use and its impact on learning. While e-learning tools are becoming ubiquitous in classrooms from Kindergarten through Graduate studies, more is not always better, and some tools are better than others. "Research studies have found that overloading a learner's short-term memory can impair their academic performance and the overall learning process. It is critical to understand how the functionality of the e-learning tools we use can influence the mental effort required during the learning process," said Van Nuland.

She continues, "I've found that research methods used to investigate the impact of cognitive load on student learning remain imprecise and as e-learning tools gain popularity, more research is merited to gauge their impact on learner cognitive load. This is why my research focuses on the measurement of cognitive load during anatomy educational exercises and measurement of learner cognitive load during interaction with two anatomy e-learning tools (Netters 3D and ADAM Interactive)."

Beyond her research Ms. Van Nuland has increasingly participated in AAA activities. She is the recipient of the Education Poster Award at the Regional Meeting in Philadelphia in October 2014, and was runner-up for an Educational Research Platform Presentation Award in 2013. "Along with my awards, my involvement in AAA began two years ago with my participation in the Online Community Task Force for Anatomy Connected. My involvement with the Association has continued with a marketing/advertising role on the organizing committee for the Regional Meeting to be held at Western University, in London, Canada in May 2015."

Through her focus on education research, she continues to take advantage of educational opportunities presented to her through AAA events and meetings. "I believe one of AAA's principal strengths is the quality of their conferences. Bar none, the annual meeting is the highest quality conference for anatomical education, and the superior research presented by our members is a true statement of the excellence and commitment pursued by the Association."

"My membership has given me the opportunity to meet like-minded people from around the world who are dedicated to the field of anatomical education. This international network has been essential in positioning my work on a global stage and the awards I have received through my presentations at AAA conferences have enabled me to secure highly merited provincial scholarships in Canada."



# EDUCATION

## ANNUAL MEETING AT EXPERIMENTAL BIOLOGY

Experimental Biology (EB) is an annual meeting comprised of over 14,000 scientists and exhibitors representing six sponsoring societies and multiple guest societies. As part of EB, the AAA annual meeting brings together faculty, postdocs, and students who share an interest in anatomy education and research. Members have access to hundreds of symposia and poster presentations. As the premier anatomical science meeting in the United States, participants attend from around the globe. Awards and grants are presented each year at the Closing Awards Ceremony.

## SUPPORTING ANNUAL MEETING ATTENDANCE AND ACCOMPLISHMENTS

In 2014, we provided 191 travel awards totaling \$56,450. Travel awards in denominations of \$250, \$350 and \$500 are available for new and renewing students, postdoc, or young faculty members who present as first author at EB.

Posters and platform presentations are also judged and eligible for competition awards at the meeting. Prizes of up to \$500 are available. In 2014, 16 competition award winners received \$6,300 in support of their accomplishments.

## REGIONAL MEETINGS

Held up to twice a year, regional meetings provide national meeting level programs and benefits to members preferring a smaller venue. Philadelphia College of Osteopathic Medicine played host to a one-day meeting on “Clinical Aspects of Anatomical Structure/Function” on October 11, 2014.



## AWARDS AND GRANTS

### Education Research Scholarship

The Education Research Scholarship is intended to support a member who is a graduate student in a mentored project or a postdoctoral fellow or junior faculty member (rank no higher than assistant professor) who wishes to develop a project that shows promise as a model for improving the quality of teaching and learning in anatomical education. Innovative projects that hold promise as models for the resolution of important issues and problems in anatomical education and represent new and creative approaches to teaching and learning are strongly encouraged. Recipients receive a \$5,000 scholarship and travel support and registration to the next annual meeting at Experimental Biology to report on their project.

### Outreach Grant Program

The Outreach Grant Program provides funding for workshops, symposia, and meetings organized by members, either as stand-alone activities or under the umbrella of other national or international societies. Supported activities may either be educational—such as anatomy workshops for high school students—or scientific. Recipients are awarded up to \$3,000 for implementation of their program.

### Basmajian Award

This award recognizes health science faculty who are in the formative stages of their career (within 10 years of their highest earned degree at time of nomination), teach human or veterinary gross anatomy, can document excellence in their contribution to the teaching of gross anatomy, and have outstanding accomplishments in biomedical research or scholarship in education. Recipients receive a \$1,000 honorarium and two years complimentary membership and registration to the annual meeting at Experimental Biology.

# PROFESSIONAL DEVELOPMENT

Providing our members with professional development opportunities is important for the health of the Association and engagement of the membership.



## ANATOMY CONNECTED LAUNCH

*A members-only way to collaborate, network, and join the conversation.*

In an effort to enhance our online services to members and to answer the call for more ways for members to network online, we launched Anatomy Connected. Anatomy Connected is an online community that provides opportunities for members to discuss topics of interest as well as share helpful resources and other information. Visit: [anatomyconnected.anatomy.org](http://anatomyconnected.anatomy.org)

## ANATOMY TRAINING PROGRAM

*Co-sponsored with the London-based Anatomical Society.*

Every year anatomists gather at Oxford University in England

to enhance their anatomical skills and clinical experience. Participants receive hands-on training in Neuroanatomy, Limbs, Head & Neck, and Trunk anatomy. Coupled with self-directed online study, and two week-long summer residencies at Oxford, participants work with a mentor at their home institution and hone their skills to receive a certificate of training. Applicants engage in a competitive application process and if awarded, AAA covers all costs for selected participants. For more information, visit [www.anatomy.org](http://www.anatomy.org).



## AWARDS AND GRANTS

### Postdoctoral Fellowship Program

To support the next generation of anatomical science Ph.D.'s, the Postdoctoral Fellows Program is intended to provide salary support to an AAA member who is a postdoctoral fellow working in any aspect of biology relevant to the anatomical sciences. AAA will provide \$20,000 for salary support and additional grant money for travel to the annual meeting at Experimental Biology.

### Innovation Grants

The Innovation Grants Program provides funding to support new educational and professional development programs and services developed by members and/or Committees. All initiatives must directly connect to the organization's strategic plan goals. The Innovation Grants Program will provide awards of up to \$50,000 each with financial support coming from the organization's Journal Trust Fund.

### Visiting Scholarship Grants

Want to collaborate on research initiatives, but your collaborator is across the county, or the globe? The Short-term Visiting Scholarship Program is intended to provide travel expenses for members to facilitate visiting a laboratory or participating in a course outside their home institution. The Scholarship consists of up to \$1,000 in travel support. The program will cover up to twelve scholarships per year.

More information on all the AAA awards is available at [www.anatomy.org](http://www.anatomy.org).

## Career Development at Every Stage

Betty Smoot

**DEGREE:** Doctorate in Physical Therapy Science, Masters in Advanced Studies Degree in Clinical Research (expected June 2015)

**OCCUPATION:** Assistant Professor, Department of Physical Therapy and Rehabilitation Science, and Department of Anatomy, University of California San Francisco



Developing your skills is an exercise in self-reflection and determination. With shrinking budgets and increasing demands on our time in and out of the workplace, finding a way to sharpen your skills while still having time for other work and personal activities can feel like a never-ending battle. AAA strives to ease that burden.

Dr. Smoot is able to blend a strong interest in teaching and research, with a desire to better herself through career development. She works on her own skills while also providing opportunities for fellow AAA members and colleagues in the anatomical science and physical therapy fields.

She was awarded an AAA Outreach Grant in 2014 which helped support the *Third Annual Symposium on Regenerative Rehabilitation*. This grant helped provide several scholarships for junior investigators to attend and present their research posters.

Dr. Smoot's research and work addresses the prediction and management of breast cancer-related lymphedema, a progressive and incurable condition that causes swelling in the upper extremities as a result of lymphatic system damage during breast cancer treatment. "My long-term goal is to develop screening and targeted interventions to reduce the risk or limit the progression of lymphedema; the ultimate goal being to improve the quality of life for the many people with the condition," said Dr. Smoot.

"My primary teaching responsibilities are Research Design for our physical therapy students and gross anatomy for the medical students. I feel very fortunate to have this perfect balance between clinical research and teaching anatomy – two things I love!"

As a Physical Therapist, Dr. Smoot transitioned into anatomy in 2010, later in her career, upon earning a joint appointment in the Department of Physical Therapy and Rehabilitation Science and the Department of Anatomy. "I've been a member of the physical therapy professional association since becoming a PT in 1982, and with my transition to research and teaching anatomy, I wanted to support this next chapter of my career in the same way. I wanted to increase my exposure to the anatomical sciences, meet other anatomists, and take advantage of the many mentoring, educational, and professional opportunities that come with AAA membership."

To that end she was accepted into AAA's prestigious Anatomy Training Program. The program provides training to those involved in teaching anatomy, but who have not had much exposure to human anatomy or to those with limited clinical experience.

She also finds time to recruit and mentor the next generation of anatomists. "I served on the Membership Committee from 2011 to 2014, and am now excited to be on the Advisory Committee for Young Anatomists."

"All of the opportunities I've had through AAA have given me increased confidence and skills in presenting my work and writing grants, helped me develop as an anatomist and teacher, and contributed to my academic advancement. It's really been a key component of my career development."

"The AAA community is very supportive of early investigators and junior faculty and its members are willing to write letters of support, provide guidance, and mentor those of us who are relatively new to the field."

# AWARDS AND GRANTS

Our awards and grants support members in all stages of their career: from students to seasoned members and everyone in between. More information on our awards program is available throughout this report and at [www.anatomy.org](http://www.anatomy.org).

**\$228,808.00** Total amount awarded

Members supported through Awards and Grants: **244**

A PARTIAL LIST OF 2014 AWARD WINNERS

## Scholarships, Grants, and Training Opportunities

### Short-term Visiting Scholarship

Rebecca Fisher, Ph.D., The University of Arizona College of Medicine-Phoenix  
Tamara Franz-Odenaal, Ph.D., Mount Saint Vincent University  
Steven Miller, Ph.D., University of Iowa  
Sally Moody, Ph.D., George Washington University  
Christopher Newman, Indiana University School of Medicine  
Courtney Orsbon, University of Chicago  
Tarimobo Otobo, Niger Delta University  
Tomasz Owerkowicz, Ph.D., California State University, San Bernardino  
Catherine Sartin, Johns Hopkins School of Medicine  
Emma Schachner, Ph.D., University of Utah  
Ram Sethi, Ph.D., Guru Angad Dev Veterinary and Animal Sciences University

### Education Outreach Grant

Larissa Collier, Ph.D., Alabama College of Osteopathic Medicine  
Health and Anatomy in the Wiregrass: A Series of Educational Workshops

Barnabas Danborn, Ph.D., Ahmadu Bello University Zaria  
Introduction to the Human Nervous System

Jon Jackson, Ph.D., University of North Dakota School of Medicine  
HAPS Fall Regional Meeting 2014

Linda Richards, Ph.D., The University of Queensland  
The Australian Brain Bee Challenge (ABBC)

Adam Wilson, Ph.D., Indiana University School of Medicine  
Anatomy Education Summer Camp for High School Science Educators

### Research Meeting Outreach Grant

John Clark, Ph.D., University of Washington  
International Conference on the Lens

Joan Richtsmeier, Ph.D., Penn State University  
Society of Craniofacial Genetics and Developmental Biology 2014 Annual Meeting

Elizabeth Jones, Ph.D., Lady Davis Institute  
9th International Symposium on Biomechanics in Vascular and Cardiovascular Disease

Betty Smoot, DPTSc, University of California, San Francisco  
Third Annual International Symposium on Regenerative Rehabilitation

### Postdoctoral Fellowship

Foteini Hassiotou, Ph.D., University of Western Australia  
Caleb Bailey, Ph.D., Stowers Institute for Medical Research  
Eric Van Otterloo, Ph.D., University of Colorado - Denver

### Education Research Scholarship supported by Lippincott Williams Wilkins

Michelle Lazarus, Ph.D., Penn State College of Medicine  
Bradley Barger, Indiana University

### Keith & Marion Moore Young Anatomists Publication Award

Janine Ziermann, Ph.D., Howard University College of Medicine

### Service Awards

#### Henry Gray Scientific Achievement Award supported by Lippincott Williams Wilkins

Drew Noden, Ph.D., Cornell University

#### Henry Gray Distinguished Educator Award supported by Elsevier

Jeffrey Laitman, Ph.D., Icahn School of Medicine at Mount Sinai

#### A.J. Ladman Exemplary Service Award supported by Wiley

Kathy Svoboda, Ph.D., Texas A&M University, Baylor College of Dentistry

#### Young Investigator Award

*R.R. Bensley Award for Cell Biology*

Takanari Inoue, Ph.D., Johns Hopkins University School of Medicine

*Charles Judson Herrick Award for Neuroanatomy*

Xiangmin Xu, Ph.D., University of California, Irvine School of Medicine

*Morphological Sciences Award*

Ben Emery, Ph.D., The University of Melbourne and Florey Neuroscience Institutes

*Harland Winfield Mossman Developmental Biologists Award*

Lionel Christiaen, Ph.D., New York University

#### Basmajian Award

Rebecca Pratt, Ph.D., Michigan State University College of Medicine

#### AAA Fellow

Joy Reidenberg, Ph.D., Icahn School of Medicine at Mount Sinai

Joseph Besharse, Ph.D., Medical College of Wisconsin

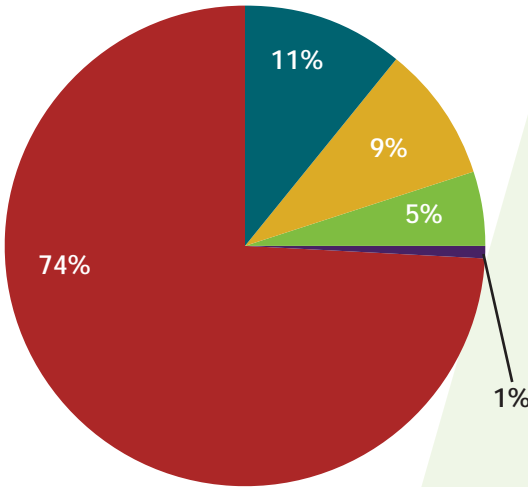
Michiko Watanabe, Ph.D., Case Western Reserve University School of Medicine



# FINANCIALS

AAA remains financially healthy as well as committed to supporting its membership by reinvesting in programs and services that strengthen the Association’s mission and strategic goals. These pie charts provide a snapshot of where the Association generates its revenue as well as a breakout of primary expense categories.

## 2014 Revenue



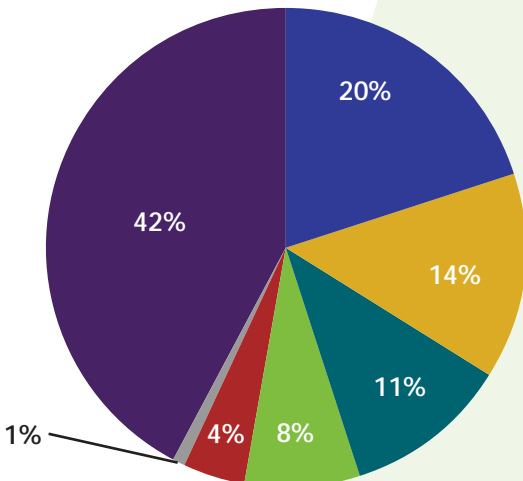
**Royalty Income:** revenue earned from journal subscriptions to *The Anatomical Record*, *Developmental Dynamics*, and *Anatomical Sciences Education*

**Contributions:** revenue received from member donations, meeting and awards sponsorships

**Advertising:** revenue generated from online job postings to the job listings web page

- 74% Royalties   ■ 11% Annual & Regional Meetings   ■ 9% Membership Dues
- 5% Contributions   ■ 1% Advertising

## 2014 Expenses



**General and Administrative:** expenses related to accounting and auditing fees; bank and credit card fees; computer and IT service expenses; rent; insurance; office supplies; staff salaries and benefits; payroll and human resources expenses; and consulting fees

- 42% General & Administrative   ■ 20% Annual & Regional Meetings   ■ 14% Awards
- 11% Committees & Governance   ■ 8% Newsletter & Journals
- 4% Member Retention & Development   ■ 1% Website

# COMMITTEES

Committees work on shaping the projects that make up the Association. Through the volunteer effort of committee members the Association brings in new members, coordinates programming for the annual meeting, and manages awards and nomination processes.

## **Advisory Committee for Young Anatomists (ACYA)**

*Committee Chair: Michelle Lazarus, Ph.D.,  
Penn State College of Medicine*

## **Educational Affairs Committee (EAC)**

*Committee Chair: Jennifer McBride, Ph.D.,  
Cleveland Clinic Lerner College of Medicine*

## **Finance Committee (Board Committee)**

*Committee Chair: Richard L. Drake, Ph.D.,  
Cleveland Clinic Lerner College of Medicine*

## **Journal Trust Fund & Investment Committee (JTFI)**

*Committee Chair: Robert Specian, Ph.D., (ret.)  
Louisiana State University Health Sciences Center*

## **Membership Committee**

*Committee Chair: Kimberly Topp, Ph.D.,  
University of California San Francisco*

## **Nominating Committee**

*Committee Chair: Jeffrey Laitman, Ph.D.,  
Icahn School of Medicine at Mount Sinai*

## **Professional Development Committee (PDC)**

*Committee Chair: Philip Brauer, Ph.D.,  
Creighton University School of Medicine*

## **Program Coordinating Committee**

*Committee Co-chairs:  
Judith Venuti, Ph.D.,  
Oakland University William Beaumont School of Medicine  
Paul Trainor, Ph.D.,  
Stowers Institute for Medical Research*

## **Public Affairs Committee (PAC)**

*Committee Chair: H. Joseph Yost Ph.D.,  
University of Utah*

## **Publications Committee**

*Committee Chair: Kathy Svoboda, Ph.D.,  
Texas A&M University, Baylor College of Dentistry*

## **Scientific Affairs Committee (SAC)**

*Committee Chair: Carol Gregorio, Ph.D.,  
University of Arizona School of Medicine*

# BOARD OF DIRECTORS

The governance of the Association resides in the 14 member Board. Board members are elected by the membership and convene twice yearly at the annual meeting at Experimental Biology and at varying locations around the U.S. in the fall.

## **President**

Dr. Lynne A. Opperman  
Texas A&M University Baylor College of Dentistry

## **President-Elect**

Dr. Kimberly Topp  
University of California San Francisco

## **President Emeritus**

Dr. Jeffrey T. Laitman  
Icahn School of Medicine at Mount Sinai

## **Secretary-Treasurer**

Dr. Richard L. Drake  
Cleveland Clinic Lerner College of Medicine

## **Program Co-Chair**

Dr. Judith M. Venuti  
Oakland University  
William Beaumont School of Medicine

## **Program Co-Chair**

Dr. Paul Trainor  
Stowers Institute for Medical Research

## **Directors**

Dr. Valerie DeLeon  
University of Florida

Dr. Rebecca Hartley  
University of New Mexico

Dr. Scott Miller  
University of Utah School of Medicine

Dr. David Morton  
University of Utah School  
of Medicine

Dr. Rick Sumner  
Rush University Medical Center

Dr. Katherine Yutzey  
Cincinnati Children's  
Medical Center

## **Student/Postdoctoral Trainee Directors**

Dr. Annita Achilleos  
Stowers Institute for  
Medical Research  
Trainor Lab

Dr. Audra Schutte  
University of California  
San Francisco

