ADEA Section on Anatomical Sciences

Report Submitted By: H. Wayne Lambert, Ph.D., Councilor of Anatomical Sciences Section

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2011-2012 Anatomical Sciences Section Activities and Accomplishments

**Thomas F. Nowlin Award for Best Performance by a Section**
The Anatomical Sciences Section was the Recipient of 2012 American Dental Education Association (ADEA) Thomas F. Nowlin Award for Best Performance by a Section. This award was presented to Dr. H. Wayne Lambert, the Councilor of the ADEA Section on Anatomical Sciences, by Dr. Judy Skelton, the Chair of the ADEA Council of Sections, at the 2012 ADEA Annual Meeting in Orlando, FL on 03/17/2012. Special recognition belongs to our 2011-2012 section officers, Drs. Lisa Lee, Maggie Jergenson, and Michelle Wheater, for making it possible for our section to win this prestigious award. Our section also won this prestigious award in 2007.

**Basic Science Survey Series (BSSS)**
Members of the Anatomical Sciences section continue to lead the “Basic Sciences Survey Series (BSSS) for Dentistry” project, which was funded $5,350 in 2009 by the
ADEA Project Pool Grant. This educational research project received a no cost extension in November of 2011. Our section has completed three surveys to assess how North American dental students are taught the anatomical sciences. The three survey topics include: 1) gross anatomy and dental head and neck anatomy; 2) neuroscience and/or neuroanatomy; and 3) histology and embryology. The response to these surveys by faculty members directing these courses was impressive, as we received survey responses from all 67 US and Canadian dental schools, collectively, on the three surveys. The members of our section involved with the construction of the surveys, papers, and data analyses include Drs. H. Wayne Lambert, Doug Gould, Bob Hutchins, Lisa Lee, and Dottie Burk. Moreover, our section was fortunate to pair with the ADEA Physiology, Pharmacology, and Therapeutics and the Biochemistry, Nutrition, and Microbiology sections to assess how the basic sciences are being taught throughout the first two years of undergraduate dental education. So, our section has been involved in receiving input from course directors for all of the basic science courses, an initial goal of this collaborative effort entitled the BSSS for Dentistry project.

Our section submitted a paper highlighting the results of the histology and embryology survey to the Journal of Dental Education (JDE) in July of 2012. The neuroanatomy/neuroscience survey results are also nearing completion for submission to JDE. The last paper to be written is the dental gross anatomy survey, which received a 100% response rate from all 67 US and Canadian dental schools. As of July of 2012, data derived from these three anatomical sciences surveys have led to 11 abstracts, 14 national platform presentations, 1 local presentation, 6 poster presentations 1 paper submitted to the Journal of Dental Education (JDE), and more papers in various stages of preparation for publication. In 2012, members of our section, including Drs. Doug Gould, Lisa Lee, Bill Davenport, and H. Wayne Lambert presented the results of these surveys at two national meetings this year. These symposia occurred at the ADEA Annual Session in Orlando (see next section) and the American Association of Anatomists (AAA) meeting at the 2012 Experimental Biology Conference in San Diego. The latter symposium entitled “Trends in the anatomical sciences: How are we teaching North American dental students?” received a $4,000 AAA travel grant to cover the speakers’ expenses.

2012 ADEA Annual Session

The Anatomical Sciences section co-sponsored an ADEA Annual Symposium entitled “Engaging our Dental Students to Learn the Basic Sciences: Results from the Basic Science Survey Series for Dentistry”. Our councillor, Dr. H. Wayne Lambert, conveyed the trends seen in dental gross anatomy, derived from data from the BSSS for Dentistry educational research project. Dr. Douglas Gould discussed the trends in dental neuroscience/neuroanatomy, and Dr. Lisa M.J. Lee, our Past-Chair, highlighted the trends in dental histology and embryology. Dr. Alan E. Levine, the Councilor of the ADEA Biochemistry, Nutrition, and Microbiology section, presented the survey results from these subjects. Finally, Dr. William “Bill” Davenport spoke of the past, current, and future trends in dental education, which was the highlight of the symposium. This symposium was planned and moderated by Dr. H. Wayne Lambert, and the symposium was attended by 46 ADEA members.

- Collaboration with: ADEA Biochemistry, Nutrition, and Microbiology section
2012 Basic Sciences Caucus

The 2012 Basic Sciences Caucus occurred at the 2012 ADEA Annual Session in Orlando. Dr. Michelle Wheater, an officer of the Anatomical Sciences Section, chaired the caucus. The Basic Sciences Caucus was attended by 21 ADEA members. At this meeting, the councilors of three basic sciences sections, Drs. Lambert, Alan Levine, and Ted Pate, discussed the Basic Sciences Survey Series project, its scope, and the progress of the project. Dr. Pate led a discussion regarding getting the Basic Science Caucus into a Special Interest Group (SIG), under the auspices of the ADEA Council of Sections, and Dr. Pate will lead this SIG application process in 2012.

In addition, we are very proud of the individual accomplishments of our membership and their contributions to dental education and research.

- Section communicates on a variety of different academic and administrative topics between annual sessions
- Section is active in supporting, developing, and participating in joint programs
- Section is collaborating with other ADEA sections to impact how the basic sciences are taught at ADEA member institutions in North America
- Members represented on ADA National Board Test Construction committees
- Members consistently receive outstanding teaching awards both locally and nationally
- Members are regularly publishing papers and abstracts in recognized journals and are actively presenting papers and symposia at other national meetings
- Members serve on key committees at their respective institutions and within ADEA
- Many of our section members are actively engaged in a variety of research venues at their respective institutions
- Many of our section members serve as mentors to dental students and junior faculty engaged in education and research
- Our section members have produced textbooks that have positively impacted dental and medical education
- Members chair basic science departments at their respective institutions and other groups within ADEA
- Members have many leadership roles in other professional organizations and serve as associate editors in leading journal in the fields a medical and dental education and clinical anatomy

Acknowledgment of specific accomplishments of select members of our section:

- Promotions and Appointments:
  - Congratulations to Dr. William “Bill” Davenport who was named the President-Elect on the National Board of Directors within Omicron Kappa Upsilon (OKU), the National Dental Honor Society, at the ADEA Annual Meeting. In this position, he will eventually succeed the President of the National Board of Directors of OKU. Dr. Davenport currently serves as the
Associate Dean for Academic Affairs at the University of Nevada-Las Vegas School of Dental Medicine.

- Congratulations to Drs. Douglas Gould, Robert Spears and Margaret “Maggie” Jergenson on completing the ADEA Leadership Institute in 2012. By completing this program, Doug, Robert, and Maggie are now Fellows of the ADEA Leadership Institute.

- Congratulations to Dr. Neil S. Norton on being promoted from Assistant Dean to Associate Dean of Student Affairs at Creighton University School of Dentistry. Neil also serves the Creighton University School of Dentistry as the Director of Admissions.

- Congratulations to Dr. Michelle Wheater on being appointed to serve as Associate Editor for the Oral Health in Medicine Model Curriculum for MedEdPORTAL. Michelle also serves the Detroit-Mercy School of Dentistry as Director of Student Academic Leadership Development and Director of Research.

- Congratulations to Drs. Douglas Gould, William “Bill” Davenport, and H. Wayne Lambert on being appointed as members of the ADEA Task Force for Biomedical Sciences Competencies by Dr. Gerald N. Glickman, ADEA President.

- Congratulations to Dr. Douglas J. Gould on his new position as Professor in the Biomedical Sciences Department at the Oakland University William Beaumont School of Medicine.

- Congratulations to Dr. Lisa M.J. Lee, the Past-Chair of our section, on her new position as an Assistant Professor in the Cell and Developmental Biology Department at the University of Colorado Anschutz Medical Campus. Lisa has also served as the “histology expert” on the National Board Anatomic Sciences Test Construction Committee for the Joint Commission on National Dental Examinations (JCNDE) since 2012.

- Congratulations to Dr. H. Wayne Lambert who was promoted to Professor in the Department of Neurobiology and Anatomy at the West Virginia University School of Medicine. Wayne has also served as the “gross anatomy expert” on the National Board Anatomic Sciences Test Construction Committee for the JCNDE since 2011.

- **Awards and Significant Accomplishments:**

  - Congratulations to Dr. Robert Spears on receiving the 2012 American Association of Dental Research (AADR) National Student Research Group Mentor of the Year Award. Robert, a faculty member at the Baylor College of Dentistry, was also inducted into Omicron Kappa Upsilon National Dental Honor Society in 2012.

  - Congratulations to Dr. Alison F. Doubleday who received Golden Apple Teaching Award at the University of Illinois at Chicago College of Dentistry. Alison was presented this award by the class of 2014. In 2012, Alison was also inducted into Omicron Kappa Upsilon National Dental Honor Society in 2012 and received an $8,945 Curriculum and Instructional Grant from the Center for Excellence in Teaching and...
Learning at the University of Illinois at Chicago for a project to use video and iPad-based applications in their gross anatomy laboratories. In 2011, Alison received a $3,000 American Association of Anatomists Education Outreach Grant (Dr. Julienne Rutherford, co-PI) to host a workshop on anatomy education for physical anthropologists at the American Association of Physical Anthropologists annual meeting in Portland, Oregon.

- Congratulations to Dr. Bob Hutchins on receiving the 2011 Baylor College of Dentistry Distinguished Teaching Award. Also in 2011, Bob was named the recipient of the ADEA Colgate-Palmolive Excellence in Teaching Award.

- Congratulations to Dr. Alan W. Budenz on receiving the “2011 Medal of Honor” from the University of California, San Francisco School of Dentistry Alumni Association. This recognition is due to “superlative service to the school, the profession, and the community”.

- Congratulations to Dr. Laura C. Barritt for being named the “Freshman Outstanding Academic Instructor of the Year” at the Creighton University School of Dentistry in 2012. Dr. Maggie Jergenson, our section chair, won this award in 2011.

- Congratulations to Dr. H. Wayne Lambert for receiving the 2011 Percival L. MacLachlan Basic Sciences Award. One award is selected by the second year students in the West Virginia University (WVU) School of Medicine in recognition for excellence in teaching basic medical sciences. Wayne also received a $4,000 American Association of Anatomists travel grant to support the symposium presenting our section’s work on the BSSS for Dentistry project at the 2013 Experimental Biology Meeting in San Diego, California.

- Congratulations to Dr. Lisa M. J. Lee, our Past-Chair, who will receive the first ADEA Council of Sections Program Fund, which will pay $1,925.00 to support the expenses of the presenters for a proposed symposium at the 2013 ADEA Annual Session in Seattle, Washington.

- Congratulations to Dr. Neil S. Norton of Creighton University School of Dentistry on the release of his new textbook entitled “Netter’s Head and Neck Anatomy for Dentistry, 2nd ed.”

- Congratulations to Drs. Robert D. Spears, Lisa M. J. Lee, Penprapa S. Klinkhachorn, and Michelle Wheater on serving as peer reviewers for submission to the 2012 ADEA Annual Session & Exhibition.

- Congratulations to Penprapa S. Klinkhachorn who was inducted into Omicron Kappa Upsilon National Dental Honor Society in 2012.

**Newsletter**

The Anatomical Sciences section distributed information electronically via the ADEA section listserv address (ASCIENCES@listserv.adea.org) four times in 2011-2012. Before the 2012 ADEA annual meeting in Orlando, Drs. Lisa M. J. Lee, Margaret Jergenson, Michelle Wheater, and H. Wayne Lambert published the newsletter for our section. This informative newsletter was distributed through the section’s e-mail
listserv, and a copy of the newsletter was sent to our Council of Section representative, Dr. Sharon Siegel. The goal of the newsletter was to describe section activities and projects during the past year, highlight and describe future goals, increase collaboration of our section members, and cite individual accomplishments of our members.

**Project Pool Submission**: Not applicable in 2012.

**Project Pool Submission funded**: A grant entitled “Basic Sciences Survey Series for Dentistry (BSSS)” was funded $5,350 on May 22, 2009. This 2-year grant was co-sponsored by the ADEA Physiology, Pharmacology, and Therapeutics, Biochemistry, Nutrition, and Microbiology, and Anatomical Sciences sections with each section providing 10% ($535) of the funds. Our section received a 2-year no cost extension for this educational project on November 17, 2011.

**Plans for 2013 ADEA Annual Session in Seattle, Washington.**

Our section has sponsored two proposed symposia for the 2013 ADEA Annual Session, which will take place in Seattle, Washington on March 16-19. We have co-sponsored a symposium entitled “Introducing Evidence-Based Practice Principles via the Biomedical Sciences”, proposed by Dr. Larry D. Crouch, the President-Elect of the ADEA Biochemistry, Nutrition, and Microbiology section. We are also sponsoring a proposed symposium entitled “Gender and Age Issues in Dental Education”, proposed by Dr. Lisa M. J. Lee, our Past-Chair. This latter symposium has been selected to be one of the sessions at the 2013 ADEA Annual Session and Exhibition and has been awarded the ADEA Council of Sections Program Fund, which will pay $1,925.00 to support the expenses of the presenters.

**A fine example of the ADEA Anatomical Sciences section in action** is the initiation of the educational project, BSSS for Dentistry, to assess how dental students in the US and Canada are taught the basic sciences. By collaborating with the ADEA Physiology, Pharmacology, and Therapeutics and the Biochemistry, Nutrition, and Microbiology sections, the section was able to expand the scope of its initial study to extend beyond the anatomical sciences. This project and its goals support the mission of our section:

The mission of the Section on Anatomical Sciences is to provide academic leadership for dental education in the anatomical sciences through development or contemporary curricular aids, responsiveness to changing educational needs, and creative integrative curricular development; to foster communication among educators in the anatomical sciences; and to encourage the spirit of interdisciplinary/multidisciplinary approach to learning.

**Membership and Attendance**

A. Total membership for the Anatomical Sciences section as of March 2012: 473 total members (which includes 262 pre-doctoral students)

B. Total attendance at the section’s 2011 Members’ Forum: 12 members (other active members were at the meeting but had to attend another session).
Section Structure: 2012-2013 Officers in ADEA Anatomical Sciences Section

Councilor (second term 2012-2015)
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Financial Status
Current Section Balance: $0.00
1. Organizations (and contact persons) providing financial support for section activities: N/A

2. Purpose of the support (program, reception, newsletter, etc.), number of participants and recipients, and other details: N/A

3. The type of funding: donation or gifts-in-kind, and amount of funding: N/A

4. Minutes of the ADEA Anatomical Sciences Section Business Meeting: Orlando, FL, 03/18/2012
   The meeting was called to order at 7:15 am by Dr. Lisa Lee, Chair of the Section. Dr. Lee introduced the other officers, Drs. H. Wayne Lambert (Councilor of the Section), Margaret Jergenson (Chair-Elect), and Michelle Wheater (Secretary). Dr. Lee thanked everyone for their attendance.

5. Attendance
   Alison Doubleday  University of Illinois at Chicago
   Bill Davenport  University of Nevada at Las Vegas
   Don Ferguson  East Carolina University
   Douglas Gould  The Ohio State University
   Margaret Jergenson  Creighton University
   Penny Klinkhachorn  West Virginia University
   H. Wayne Lambert  West Virginia University
   Lisa Lee  The Ohio State University
   Keith A. Mays  East Carolina University
   Sharon C. Siegel  Nova Southeastern University
   Robert Spears  Baylor College of Dentistry
   Michelle Wheater  University of Detroit Mercy

6. Agenda
   There were no changes or additions to the agenda.

7. Recognition
   H. Wayne Lambert reported that the ADEA Anatomical Sciences Section were named “Recipient of 2012 American Dental Education Association (ADEA) Council of Sections Thomas F. Nowlin Award for Best Performance by a Section”. Our section also was awarded this prestigious honor in 2007.

8. Minutes
   The officers of the Anatomical Sciences Section distributed the minutes from the 2011 annual business meeting in San Diego, CA. The minutes were approved unanimously with no revisions.

9. Council of Sections Liaison
   Dr. Keith Mays, Member at Large for the Council of Sections Administrative Board, visited with meeting attendees and announced that the Council of Sections Program fund was approved. This will now allow for competitive funding for speakers. A $3000 award is available to support the cost of programming, and the deadline for submission of proposals for 2013 session programming is
April 23, 2012. Applicants will receive feedback on unapproved submissions through the Council of Sections. In addition, Dr. Sharon Siegel visited the meeting and congratulated the members on receiving the Outstanding Section Award. Dr. Lee thanked Dr. Siegel for her continued support and advocacy.

Dr. Lee reported that the Anatomical Sciences Section has a balance of 0 (zero) dollars due to the Council of Sections pooling of funds. It was discussed that the Council of Sections toolkit on the ADEA website contains information for applying for these funds.

11. Old Business - None

12. Basic Sciences Survey Series (BSSS)
Dr. Lambert gave an update on the project pool survey series. The survey series was funded by a grant from the Project Pool and was undertaken in collaboration with the Biochemistry, Nutrition, and Microbiology Section and the Physiology, Pharmacology, and Therapeutics Section. Dr. Lambert received a no-cost extension on the grant until May, 2013. He reported that the surveys are now completed or near completion, and that there should be a total of eight papers published to report the results. The results of surveys will be presented as a seminar entitled “Engaging Our Dental Students to Learn the Basic Sciences: Results From the Basic Science Survey Series for Dentistry” on Sunday March 18 at 3:00 pm in Broward.

13. Report of the Interim Meeting of Sections
1. Drs. Lee and Lambert announced that minutes from the Interim Meeting in San Antonio in October 2011 were distributed via the email listserver. Many members did not receive the minutes, bringing up the issue of a possible problem with the listserv. The main topics discussed from this meeting were the pooling of section funds, and questions about why certain programming was not accepted for the 2012 annual session. Based on concerns that were voiced at the Interim Meeting, the Administrative Board will make determinations on how to change the review process for future annual sessions. The reviewers will be encouraged to do their job and actually review the submissions. Submissions not approved will receive feedback with an opportunity to resubmit.

2. Future meeting sites: the 2012 Interim Meeting will be in Denver, CO and the 2013 annual session will be in Seattle, WA. The theme for the 2013 annual session is “Landscape of Learning.”

The House of Delegates will be voting on the new President-elect during this meeting. There is one candidate this year, Dr. Steven K. Young. There will also be voting on seven resolutions. None of these resolutions has a direct impact on
the business of the Anatomical Sciences Section. There was discussion led by Dr. Davenport regarding Resolution 6H-2012 Change in Titles of Members of the Board of Directors and the Executive Director, and members were encouraged to go the informational session regarding this resolution. Dr. Lee noted this recommendation. Dr. Michael Landers, Case Western Reserve University, is Vice President for Sections on the ADEA Board of Directors.

15. New Business

16. Election
   Dr. Jergenson conducted the election of the new secretary of our section. Dr. Jergenson described the roles of the officers and the process for nomination. Dr. Alison Doubleday’s name had been forwarded to the Nominating Committee for secretary-elect. Dr. Jergenson entertained nominations from the floor. There were no other nominations and Dr. Doubleday was elected secretary by acclamation. Congratulations!

17. Other
   1. It was suggested that if members have ideas for collaborations for future programming, they should bring those suggestions forward.

   2. Drs. Lee and Lambert asked that members keep the section officers informed on any news. These items can be incorporated in the section newsletter.

18. Section Dinner Details
   Dr. Jergenson provided the section with dinner details. Dinner will be at Paridiso 37 at 5:30 pm on March 18, 2012. However, hearing of multiple conflicts, the dinner was cancelled.

19. Recognition and Thanks
   Dr. Jergenson commended Dr. Lee for her service to the Section for the past three years, and for her efforts in creating the Section newsletter. Thank you, Lisa.

20. Adjournment
   The meeting was adjourned at 8:15 am by Dr. Lee.

Minutes respectfully submitted,
Michelle Wheater, Ph.D.
Secretary, Anatomical Sciences Section