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SPECIAL EVENTS

**Imaging Workshop: Set-up & Funding of Core Imaging** Saturday, April 20, 10:45 a.m.-12:45 p.m.
Chair: Kathy K.H. Svoboda, Ph.D. (Baylor College of Dentistry)
Speakers:
- Marjorie Tingle, Ph.D. (NIH National Center for Research Resources)
- Lawrence Fritz, Ph.D. (Division of Biological Infrastructure, National Science Foundation)
- NSF Funding: Opportunities and Process
- Simon Watkins, Ph.D. (Univ. of Pittsburgh)
- Never a Round Peg in a Square Hole: Large Centralized Imaging Facilities
- Kathy K.H. Svoboda, Ph.D. (Baylor College of Dentistry)
- Managing a Small Core Facility and Maintaining Your Sanity

**Thirty-third Annual Pinckney J. Harmon Memorial Lecture** Sunday, April 21, 5:30-6:30 p.m.,
Carla J. Shatz, Ph.D. (Dept. of Neurobiology, Harvard Medical School)
Neural Activity, Immune Genes and Synaptic Remodeling in Brain Development

**Keynote Speaker** Sunday, April 21, 6:30-7:30 p.m.
Organized by Stephen Carmichael, Ph.D., President-Elect of the Association of Anatomy, Cell Biology and Neurobiology Chairpersons (AACBNC)
Samuel M. McCann, M.D. (Pennington Biomedical Research Center; Louisiana State Univ)
Nitric Oxide and Cytokines Mediate Responses to Stress and Inflammation

**AAA/Cajal Club Socializer** Sunday, April 21 8:00 - 9:00 p.m.

**R.R. Bensley Award Lecture in Cell Biology** Sunday, April 21, 2:00-3:00 p.m.
Joseph P. Bidwell, Ph.D. (Indiana Univ. School of Medicine)
Involvement of the Nuclear Matrix in the Control of Skeletal Genes: The Nmp4 Transcription Factors

**Anatomy Education Breakfast Roundtables** Monday, April 22, 8:15-10:15 a.m.
Chair: Richard Drake, Ph.D. (Univ. of Cincinnati College of Medicine)

**AAA/FASEB Minority Student Workshop** Monday, April 22, 2002, 11:30 a.m. – 1:30 p.m.
Guest Speaker: Zola Drain, Ph.D. (Louis Stokes OK Alliance for Minority Participation in Science, Mathematics, Engineering and Technology)

**C.J. Herrick Award Lecture in Comparative Neuroanatomy** Monday, April 22, 2:00-3:00 p.m.
W. Martin Usrey, Ph.D. (Center for Neuroscience, Univ. of California, Davis)
Functional Organization of Neural Circuits for Vision
H.W. Mossman Award Lecture in Developmental Biology Tuesday, April 23, 1:00-3:00 p.m.
Didier Y.R. Stainier, Ph.D. (Univ. of California, San Francisco)
Heart and Endoderm Formation in Zebrafish
Lee Ann Niswander, Ph.D. (Howard Hughes Medical Institute Research Lab)
Molecular Control of Vertebrate Limb Development

AAA/Cajal Club Banquet Tuesday, April 23, 7:00 - 10:00 p.m.

President’s Reception Tuesday, April 23, 10:00-11:00 p.m.

SYMPOSIA

Saturday, April 20

Enteric Nervous System: A Refresher Course 2:00-4:30 p.m.
Co-chairs: Gary Mawe, Ph.D. (Univ. of Vermont) and Raymond Papka, Ph.D. (Northeastern Ohio Univ.
College of Medicine)
Supported by an educational grant from Novartis Pharmaceuticals, Inc.
- Michael Gershon, M.D. (Columbia Univ. College of Physicians and Surgeons) Development of
  the Enteric Nervous System
- Jackie Wood, Ph.D. (The Ohio State Univ.) Enteric Neurophysiology
- Pamela Hornby, Ph.D. (LSU Health Science Center) How the CNS and ENS Communicate
  About the Gut
- Keith Sharkey, Ph.D. (Univ. of Calgary) Neuro Immune Interactions in the Gut
- Peter Moses, M.D., F.A.C.G. (Univ. of Vermont)
  Enteric Neurobiology: A Clinician's Perspective

Sunday, April 21

Getting A Head: Molecular Mechanisms of Craniofacial Bone Growth 8:15-10:15 a.m.
Co-chairs: Lynne Opperman, Ph.D. (Baylor College of Dentistry) and Mina Mina, DMD, MSD, Ph.D.
(Univ. of Connecticut Health Center)
Supported by an educational grant from Baylor College of Dentistry.
- Drew Noden, Ph.D. (Cornell Univ. College of Veterinary Medicine) Origins and Movements of
  Head Skeletogenic Cells
- Mina Mina, DMD, MSD, Ph.D. (Univ. of Connecticut Health Center) Signaling Networks
  Regulating Outgrowth and Morphogenesis of the Mandibular Arch
- Charles Shuler, DMD, Ph.D. (Univ. of Southern California) Regulation of Palatal Development
- Lynne Opperman, Ph.D. (Baylor College of Dentistry) Molecular Pathways in Cranial Suture
  Morphogenesis

How Do We Locate, Cultivate, & Admit Ideal Medical Students 8:15-10:15 a.m.
Co-chairs: Deborah Vaughan, Ph.D. (Boston Univ. School of Medicine) and Sue Ann Miller, Ph.D.
(Hamilton College)
- Sue Ann Miller, Ph.D. (Hamilton College) Connecting Undergraduate Students With What Is
  Important for a Medical Career

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• J.W. Carmichael, Ph.D. (Xavier Univ. of Louisiana) *Xavier's Educational Pathway Into the Biomedical Sciences*
• Paul O'Bryan, Ph.D. (Boston Univ. School of Medicine) *Premedical Advising and Beyond*
• Ralph Purdy, Ph.D. (Univ. of California-Irvine College of Medicine) *Characteristics of the Ideal Medical School Applicant*

**Angiogenesis: Fragments of Polypeptides Conferring Antiangiogenic Properties** 10:45 a.m.-12:45 p.m.
Chair: Marion (Emmy) Gordon, Ph.D. (Rutgers Univ. School of Pharmacy)
Supported by an educational grant from EntreMed, Inc. and Johnson & Johnson.
• Alan Caren, Ph.D. (Yale University) *Therapeutic Targeting of Tissue Factor on the Neovascular Endothelium with Factor VII Icons*
• Marsha Moses (Children's Hospital, Harvard Univ.) *Cryptic Angiogenesis Inhibitors: Structure-Function Analyses and Proteolytic Processing*
• Raghu Kalluri, Ph.D. (Harvard Medical School) *Regulations of Angiogenesis by Type IV Collagen and Vascular Basement Membrane*
• M. Judah Folkman, M.D. (Children's Hospital, Harvard Univ.) *Discovery of Angiogenesis Inhibitors*

**Chairperson's Symposium: Stem Cell Biology & Its Therapeutic Potential** 3:30-5:30 p.m.
Chair: David Burr, Ph.D. (Indiana Univ. School of Medicine)
Co-sponsored by the Association of Anatomy, Cell Biology, and Neurobiology Chairpersons
• Darwin J. Prockop, M.D., Ph.D. (Center for Gene Therapy) *Characterization and Potential Therapeutic Uses of Adult Stem Cells from the Bone Marrow Stroma*
• Mark Pittenger, Ph.D. (Osiris Therapeutics Inc.) *Mesenchymal Stem Cells for Tissue Regeneration*
• Paul M. Carvey, Ph.D. (Rush-Presbyterian-St. Luke's) *Stem Cells as a Treatment for Parkinson's Disease*
• Evan Snyder, M.D., Ph.D. (Harvard Medical School) *The Developmental Biology of Neural Stem Cells May Make Them Ideally Suited for CNS Repair*

**Monday, April 22**

**Cell Secretion Revisited** 8:15-10:15 a.m.
Chair: George Pappas, Ph.D. (Univ. of Illinois)
• Jennifer Lippincott-Schwartz, Ph.D. (NIH/NICHD) *Rapid Cycling of Lipid Raft Markers Between the Cell Surface and Golgi Apparatus and Its Role in Membrane Sorting and Polarity*
• Bhanu P. Jena, Ph.D. (Wayne State Univ. School of Medicine) *Morphology and Dynamics of the Fusion Pore in Live Secretory Cells*
• Mahlon Kriebel, Ph.D. (SUNY College of Medicine) *Porocytosis: Array Model of Neurotransmitter Secretion*
• Robert B. Silver, Ph.D. (Wayne State Univ. College of Medicine & MBL) *New Insights on Secretion from Imaging Calcium Microdomains and Molecular Dynamics (MD) Modeling*

**Skeletal Muscle Differentiation** 8:15-10:15 a.m.
Chair: Wade Grow, Ph.D. (Midwestern Univ.)
Co-sponsored by the AAA Advisory Committee for Young Anatomists
• Charles Ordahl, Ph.D. (Univ. of California, San Francisco and Anatomix) *Embryonic Myotome Growth Morphogenesis*
• Wilfred F. Denetclaw, Jr., Ph.D. (San Francisco State Univ.) The Development of Medically Located Cytonemes and Filopodia in the Somitic Dermomyotome Suggests a Signal Transduction Role in Myogenesis
• Michael B. Ferrari, Ph.D. (Univ. of Missouri) Assembling the Vertebrate Myofibril: Calcium as a Construction Tool
• Dean J. Burkin, Ph.D. (Univ. of Illinois) Integrin-mediated Complementary Gene Therapy in Muscle Disease

**Sex Hormones & the Plastic Brain** 10:45 a.m.-12:45 p.m.
Supported by an educational grant from the Neuroscience & Aging Institute and the Department of Cell Biology, Neurobiology & Anatomy, Loyola Univ., Stritch School of Medicine
Chair: Lydia DonCarlos, Ph.D. (Loyola Univ. Chicago Medical Center)
• Christine Wagner, Ph.D. (SUNY at Albany) Progesterone Receptors and Sexual Differentiation of the Developing Brain
• Manfred L. Gahr, M.D. (Vrije Univ., Amsterdam) Androgen and Estrogen Receptor Expression in Relation to Developmental and Adult Plasticity in the Vocal Control System
• Stuart A. Tobet, Ph.D. (Shriver Ctr. for Mental Retardation) Potential Role for Orphan Steroid Receptors in the Embryonic Murine Preoptic Area and Hypothalamus
• Luis Miguel Garcia-Segura, Ph.D. (Cajal Inst., Madrid) Neuroprotection by Estradiol: Role of Brain Aromatase and Interaction with Insulin-Like Growth Factor-I Signaling

**Olfactory Ensheathing Cells: Therapeutic Potential in Spinal Cord Injury** 3:30-5:30 p.m.
Chair: Kathy Jones, Ph.D. (Loyola Univ., Chicago, School of Medicine)
Supported by an educational grant from the Neuroscience & Aging Institute and the Department of Cell Biology, Neurobiology & Anatomy, Loyola Univ., Stritch School of Medicine
• Ronald Doucette, Ph.D. (Univ. of Saskatchewan) Olfactory Ensheathing Cells: Past, Present, and Future
• Tracey McCarthy DeLucia (Loyola Univ., Chicago, School of Medicine) Neurotrophic Properties of an Olfactory Ensheathing Cell Line
• Robin Franklin, Ph.D. (Univ. of Cambridge) The Remyelinating Properties of Transplanted Olfactory Ensheathing Cells
• Almudena Ramon-Cueto, Ph.D. (Lab. of Neural Regeneration of Biomedicine, Spanish Council for Scientific Research) Olfactory Ensheathing Glia Transplants to Repair Spinal Cord Traumatic Injuries in Adult Mammals

**Tuesday, April 23**

**Imaging Techniques in Live Embryos** 8:15-10:15 a.m.
Chair: Stephen Moorman, Ph.D. (Case Western Reserve Univ.)
• Diane Slusarski, Ph.D. (Univ. of Iowa) Mechanisms of Calcium Signaling in Zebrafish Development
• Chi-Bin Chien, Ph.D. (Univ. of Utah Medical Center) Imaging and Perturbing Retinal Growth Cone Behavior In Vivo
• Joseph Fetcho, Ph.D. (State Univ. of New York) Combining Optical and Genetic Approaches to Study Neuronal Circuits in an Intact Vertebrate
• Brant Weinstein, Ph.D. (NICHD, NIH) Imaging Blood Vessel Development in the Zebrafish
Regulation of Cardiac Growth & Development 8:15-10:15 a.m.
Co-chairs: Yukiko Sugi, Ph.D. (Medical Univ. of South Carolina) and Michiko Watanabe, Ph.D. (Case Western Reserve Univ. School of Medicine)

- **Mark Mercola, Ph.D.** (Harvard Medical School) *Wnt Antagonism and the Initiation of Embryonic Cardiogenesis*
- **Sylvia Evans, Ph.D.** (UCSD) *A Lim-Homeobox Protein is Required for Heart Development*
- **John Burch, Ph.D.** (Fox Chase Cancer Center) *GATA Gene Regulation and Heart Development*
- **H. Scott Baldwin, M.D.** (Children’s Hospital of Philadelphia, Univ. of Pennsylvania) *Transcriptional Regulation of the Endocardium as a Unique Endothelial Cell Population*

Anatomy for 21st Century Dentists 10:45 a.m.-12:45 p.m.
Chair: Geoffrey Guttmann, Ph.D. (Univ. of Saskatchewan College of Medicine)

- **Terence P. Ma, Ph.D.** (Univ. of Mississippi Medical Center) *Making Gross Anatomy Relevant to Dental Students*
- **Brian R. MacPherson, Ph.D.** (Univ. of Kentucky College of Medicine) *Enhancing the Dental Histology Curriculum*
- **Kathleen M. Klueber, Ph.D.** (Univ. of Louisville) *Neurosciences for the Dentist in the 21st Century*
- **Geoffrey H. Sperber, B.D.S., M. Sc., Ph.D.** (Univ. of Alberta) *Fabricating a Face: The Essence of Embryology in the Dental Curriculum*
- **Geoffrey Guttmann, Ph.D.** (Univ. of Saskatchewan College of Medicine) *Are Canadian and American Dental Schools Anatomical Sciences Curricula Really Different?*

Functional Anatomy: Visualizing Genetics, Physiology & Metabolism 10:45 a.m.-12:45 p.m.
Chair: David Lester, Ph.D. (Pharmacia Corp.)

*Supported by an educational grant from the Society of Non-Invasive Imaging in Drug Development*

- **G. Allan Johnson, Ph.D.** (Duke Univ., Center for In Vivo Microscopy) *Image Based Phenotyping: The Visible Mouse*
- **Alan P. Koretsky, Ph.D.** (NINDS) *Anatomical, Functional and Molecular MRI of the Brain*
- **David Piwnica-Worms, Ph.D.** (Mallinckrodt Institute of Radiology, Barnes-Jewish Hospital) *Visualizing Gene Expression and Protein Function In Vivo: Molecular Imaging Using PET and SPECT*
- **Babul Borah** *Three-dimensional Microimaging, Finite Element Modeling, and Rapid Prototyping Provide Unique Insights Into Bone Architecture*

Morphology, Cell Biology, Physiology and Pathology of Airway Receptors 2:30-5:30 p.m.
Chair: Jean-Pierre Timmermans, Ph.D. (Univ. of Antwerpen, Belgium)

*Co-sponsored by The Anatomical Record*

- **Edward S. Schelegle, Ph.D.** (Univ. of California, Davis) *Functional Morphology and Physiology of Slowly Adapting Pulmonary Stretch Receptors*
- **John Widdicombe, M.D., Ph.D.** (GKT School of Biomedical Sciences, London, UK) *Functional Morphology and Physiology of Pulmonary RARs*
- **Lu-Yuan Lee, Ph.D.** (Univ. of Kentucky) *Functional Morphology, Physiological Properties of Bronchopulmonary C-Fiber Afferents*
- **Dirk Adriaensen, Ph.D** (Univ. of Antwerpen, Belgium) *Functional Morphology of Pulmonary Neuroepithelial Bodies. Extremely Complex Airway Receptors*
- **Paul Kemp, Ph.D.** (Univ. Leeds, UK) *Physiology and Molecular Biology of Pulmonary Epithelial Bodies*
- **Hildegarde M. Schuller, DVM, Ph.D.** (Univ. of Tennessee, Knoxville) *Receptor-mediated Effects of Tobacco Toxicants on Pulmonary Neuroendocrine Cells*
Anatomy Education for Other Professionals 3:00-5:00 p.m.
Co-chairs: Richard Drake, Ph.D. (Univ. of Cincinnati College of Medicine) and Jane Scott, Ph.D. (Wright State Univ. School of Medicine)
- Judy Provo-Klimek, Ph.D. (Kansas State Univ. College of Veterinary Medicine) *Gross Anatomy: Education in Veterinary Medicine*
- Gene Giaglione, D.V.M. (Parker College of Chiropractic) *The Unique Challenges Faced in Teaching Anatomy to Chiropractic Students*
- Buddy Landry, Instructor (Central Louisiana School of Therapeutic Massage) *Anatomy as a Map for the Hands*
- William Perrotti (President, HAPS, Mohawk Valley Community College) *An Innovative Approach to an Undergraduate Anatomy Laboratory Experience*

Anterior-Posterior Patterning of the Neural Plate 3:30-5:30 p.m.
Chair: Paul Goetinck, Ph.D. (Harvard Medical School)
*Co-sponsored by Developmental Dynamics*
- Hazel Sive (Whitehead Institute for Biomedical Research and Massachusetts Institute of Technology) *Anteroposterior Patterning in Xenopus: The Cement Gland as an Anterior Paradigm*
- Charles Sagerstrom (Univ. of Massachusetts Medical School) *The Role of Hox Cofactors in Hindbrain Development*
- Gary C. Schoenwolf, Ph.D. (Univ. of Utah School of Medicine) *Cell Interactions Defining Rostrocaudal Patterning Along the Avian Neuraxis*
- Alexandra Joyner (NYU School of Medicine) *Formation of a Signaling Center that Patterns the Midbrain and Cerebellum in Mouse*

Wednesday, April 24

Coronary Vessel Development 10:45 a.m.-12:45 p.m.
Chair: Takashi Mikawa, Ph.D. (Cornell Univ. Medical College)
- Paul Krieg, Ph.D. (Univ. of Arizona College of Medicine) *Endoderm is Not Required for Angioblast Specification, but is Essential for Vascular Tube Formation*
- Takashi Mikawa, Ph.D. and David Pennisi (Cornell Univ. College of Medicine) *Coronary Vessel Development*
- David Bader, Ph.D. (Vanderbilt Univ.) *Bves: A Novel Cell Adhesion Molecule Expressed During Coronary Vessel Development*
- Robert Tomanek, Ph.D. (Univ. of Iowa College of Medicine) *Growth Factor Regulation of Coronary Vasculogenesis and Angiogenesis*

Histomorphometry of Tissue Engineered Grafts 10:45 a.m.-12:45 p.m.
Chair: David Dean, Ph.D. (Case Western Reserve Univ.)
- David Dean, Ph.D. (Case Western Reserve Univ.) *Non-destructive Biomechanical Testing of Tissue Engineered Grafts*
- Jizong Gao, M.D., Ph.D. (Case Western Reserve Univ.) *Tissue Engineered Osteochondral Composite Graft Using Bone Marrow-derived Mesenchymal Stem Cells*
- Tony Mikos (Rice Univ.) *Biomimetic Polymer Scaffolds for Bone Tissue Engineering*
- Jennifer West (Rice Univ.) *Tissue Engineered Vascular Grafts: Effects of Bioactive Scaffolds and Mechanical Stimulation*
CAJAL CLUB PROGRAM

Sunday, April 21

Cajal Club Krieg Cortical Kudos 2002 Awards 8:30-11:30 a.m.
Krieg Cortical Discover Awardees: David Van Essen, Ph.D. (Washington Univ., St. Louis, School of Medicine) Mapping Structure and Function in Cerebral Cortex: A Cortical Cartographer's View of the Past, Present and Future and Thomas Woolsey, M.D. (Washington Univ., St. Louis, School of Medicine) Whiskers and Barrels
Krieg Cortical Explorer Awardees: László Acády, Ph.D. (Institute for Experimental Medicine, Hungarian Academy of Sciences) A Unique Gyrus—Unusual Properties of Neocortex-Archicortex Interface and Gábor Tamás, Ph.D. (Univ. of Szeged, Hungary) Processing of Convergent Information in Identified Cortical Networks
Krieg Cortical Scholar Award: Michelle Adams, Ph.D. (Howard Hughes Medical Institute, Brown Univ.) The Aging Synapse: Preservation and Alterations in Synaptic Proteins

The Nissl Body’s Poster Session 12:30-2:00 p.m.
Chair: John Morrison, Ph.D. (Mt. Sinai School of Medicine)

Presidential Symposium – The Entorhinal Cortex: Crossroads Between Neo- and Archicortex 2:30-5:00 p.m.
Chair: Charles Ribak, Ph.D. (Univ. of California, Irvine)
- Wendy Suzuki, Ph. D. (New York Univ.) Memory Signals in the Macaque Monkey Entorhinal Cortex
- Angel Alonso, Ph.D. (Montreal Neurological Institute) Mechanisms and Function of Oscillatory Activity in Entorhinal Cortex
- Patrick Hof, M.D. (Center for Neurobiology, Mount Sinai School of Medicine) The Entorhinal Cortex in the Early Stages of Alzheimer’s Disease: Comparison with the Neo Cortex
- Robert Schwarcz, Ph.D. (Maryland Psychiatric Research Center) Entorhinal Excitation and Epilepsy

Thirty-fourth Annual Pinckney J. Harman Memorial Lecture 5:30-6:30 p.m.
Carla J. Shatz, Ph.D. (Dept. of Neurobiology, Harvard Medical School)
Neural Activity, Immune Genes and Synaptic Remodeling in Brain Development

PLATFORM SESSIONS

Saturday, April 20

Stem Cell Biology 2:00-4:00 p.m.
Chair: Maya Sieber-Blum, Ph.D. (Medical College of Wisconsin)
- M.S. Rao (National Institute on Aging) Properties of Neural Precursor Cells
- A. Alexanian (Medical College of Wisconsin) Turning Adult Brain Stem Cells into Neural Crest Derivatives
- B.A. Link (Medical College of Wisconsin) Integrative Analysis of Retinal Lamination in the Zebrafish
- Y.H. Youn (Medical College of Wisconsin) Cardiac Neural Crest Stem Cell Defect in TrkC Null Mice
L. Song (Univ. of North Carolina School of Medicine) Potential of an Islet Progenitor Cell to Transdifferentiate
M.V. Gurjar (Univ. of Iowa) Monocytes are Pluripotent Progenitors that Can Differentiate into Hepatocytes
T.C. Lund (Univ. of Minnesota) Splinkerette-ligated Captured T7/RT-PCR, a New Method to Determine Retroviral Integration Flanking Sequences

Monday, April 22

Developmental Control of Translation & Adenylation 8:15-10:15 a.m.
Chair: Rebecca Hartley, Ph.D. (Univ. of Iowa)
Supported by an educational grant from Promega Corp.
E. Goodwin (Univ. of Wisconsin) The Tra-2 3'UTR Controls Sexual identity in C. Elegans by Regulating Both the Nuclear Export and Translation of the Tra-2 mRNA
C. Smibert (Univ. of Toronto) Regulation of Translation by Smaug During Early Development in Drosophila
H.B. Osborne (CNRS/Univ. of Rennes 1) EDEN-BP a Trans-acting Deadenylation Factor Required for the Development of Xenopus Laevis Embryos
M.R. Garbrecht (Univ. of Iowa College of Medicine) A 200bp Fragment of the 3[prime] UTR of the Cyclin A1 mRNA Mediates Its Rapid Deadenylation at the MBT
M. Sheets (Univ. of Wisconsin) Translational Regulation of the BMP Signaling Pathway During Xenopus Embryogenesis

Cell Signaling in Musculoskeletal Differentiation 10:45 a.m.-12:45 p.m.
Chair: Mark Nathanson, Ph.D. (UMDNJ-New Jersey Medical School)
M. Nathannson (UMDNJ-New Jersey Medical School) What Lies Downstream of BMP in Chondrogenesis?
R.L. Jilka (Univ. of Arkansas for Medical Sciences) Coordination of Osteoblast and Osteoclast Differentiation and Lifespan
Q. Chen (Penn State College of Medicine) Control of the Chondrocyte Proliferation/hypertrophy Wtwitch by p38 Mitogen-activated Protein Kinase
D. Sassoon (Mount Sinai School of Medicine) TNFa Inhibits Skeletal Myogenesis Through a PW1-dependent Pathway by Recruitment of Caspase Pathways
B.L. Martin (Univ. of California at Berkley) Hypaxial Muscle Migration During Primary Myogenesis in Xenopus Laevis
M.P. Ontell (Univ. of Pittsburgh School of Medicine) Myogenic Potential of Cells Derived from the Neonatal MyoD-I-Mouse
R. Wellkson (Univ. of Washington) The C-terminal Igl Domains of Myosin Binding Proteins, MyBP-C and MyBP-H, are Both Necessary and Sufficient for Intracellular Cross-linking of Sarcomeric Myosin in Nonmuscle Cells
W.A. Grow (Midwestern Univ.) Pesticide Methoxychlor Disrupts the Fusion of Myoblasts into Myotubes in Skeletal Muscle Cell Culture

Growth & Development I 10:45 a.m.-12:45 p.m.
Chair: Judith Venuti, Ph.D. (LSU Health Science Center)
Supported by educational grants from BD Biosciences and Clontech
K. Muneoka (Tulane Univ.) Differential Adhesion and AER-induced Migration Play Key Roles in Directing Morphogenesis of the Limb Bud
E. Laufer (Columbia Univ.) Function of the Inhibitory Smads in the Developing Chick Limb
C.E. Krull (Univ. of Missouri-Columbia) Out on a Limb: Putting Muscle and Nerves in Place
• P.H. Ozdiner (Louisiana State Univ. Health Science Center) Slit-2 Induces Branching and Arborization in CNS During Development
• S. Horae-Badovinac (Univ. of California, San Francisco) Heart and Soul Reveals Multiple Roles for aPKCa in Zebrafish Organogenesis
• C. Zhang (Texas A&M Univ.) Role of Novel RNA in Myofibrilllogenesis and Heart Development
• M.J. Hudson (Univ. of Maryland, Baltimore County) Identification and Analysis of Zebrafish Neurogenesis Mutants
• P. Kang (Baylor College of Dentistry) Nicotine Modulates Nicotinic Receptors and PI-3 Kinase Pathway in Medial Edge Epithelia During Palate Fusion

Teaching Innovations in Anatomy 10:45 am.-12:45 p.m.
Co-chairs: Richard Drake, Ph.D. (Univ. of Cincinnati College of Medicine) and Douglas Paulsen, Ph.D. (Morehouse School of Medicine)
• T. Cacceci (Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech) Web-based Histology Teaching: Lessons from Seven Years’ Experience
• J.R. Augustine (Univ. of South Carolina School of Medicine) Histopathology in the 21st Century: Slides, Microscopes, Laptops, and CD-ROMs
• P.M. Heidger, Jr. (Univ. of Iowa) An Integrated Approach to Teaching and Testing in Histology with Real and Virtual Imaging
• D.K. Darnell (Lake Forest College) Human Anatomy as an Inquiry-based Course at a Liberal Arts College
• S.A. Miller (Hamilton College) Constructive Inclusion of Developmental Anatomy in an Undergraduate Course Teaches Medical Imaging
• D. Leamon (Univ. of South Carolina) The Objective and Subjective in Anatomical Illustrations: A Figurative Artist’s Perspective

Growth & Development II 3:30-5:30 p.m.
Chair: Patrick Nahirney (Weill Medical College, Cornell Univ.)
• D.K. Lawrence (Case Western Reserve Univ.) Apoptosis in the Developing Mouse Outflow Tract
• G.S. Ghatnekar (North Carolina State Univ. College of Veterinary Medicine) Hypoglycemia Induced Apoptosis in Organogenesis Stage Embryonic Mouse Heart
• R.L. Leonard (North Carolina State Univ. College of Veterinary Medicine) Hypoglycemia-induced Alterations in Gene Expression in Embryonic Mouse Heart Characterized by cDNA Array and RT-PCR
• K.S. Latacha (Univ. of Nebraska Medical Center) Homocysteine and Disruption of Embryonic Vascular Development
• P.C. Nahirney (Weill Medical College, Cornell Univ.) Evidence for an Extracellular Matrix Bridge Directing Proepicardial Cell Migration to the Tubular Heart in Chick Embryos
• A.F. Lerch-Gaggi (Medical College of Wisconsin) Pescadillo, a BRCT-domain-containing Protein, Plays a Crucial Role in Mammalian Cell Proliferation
• J.T. Rawlins (Texas A&M Univ. System Health Science Center) Tgf-B2 Downregulates Twist and Upregulates Fgfr2 in Rat Coronal Sutures In Vitro
• L. Li (Univ. of Alabama at Birmingham) Age-related Thymic Involution Differs Between C57BL/6 and DBA/2 Strains of Mice

Tuesday, April 23

Cell Signaling in Sensory Development 8:15-10:15 a.m.
Co-chairs: Judy Garner, Ph.D. and Hans-Jurgen Fulle (Keck School of Medicine at USC)
• H.J. Fulle (Keck School of Medicine at USC) Guanylyl Cyclase Signaling in Olfaction
- R.H. Kramer (Univ. of California, Berkley) Modulation of Phototransduction in Retinal Rods by Growth Factors and Tyrosine Phosphorylation
- F. Kalinec (House Ear Institute) ROCK and Rho in Outer Hair Cell Motility
- S.D. Roper (Univ. of Miami School of Medicine) Molecular Biology and Cell Physiology in Taste: Bridging the Gap
- B.A. Puder (Northeastern Ohio Univ. College of Medicine) Uterine Cervical-related Hypothalamic Paraventricular Neurons Project Axons to the L6/S1 Spinal Cord at Parturition

Teaching Innovations in Anatomy 8:15-10:15 a.m.
Co-chairs: Richard Drake, Ph.D. (Univ. of Cincinnati College of Medicine) and Robert Klein (Univ. of Kansas Medical Center)

- J.H. Johnson (Virginia Commonwealth Univ.) Web-based Interactive Anatomy Via Viewpoint's XML Viewer: 3-D Worlds and 2-D Zoom
- T.R.H. Bacro (Medical Univ. of South Carolina) Integrating Online Digital Video-clips of Cadaveric Anatomical Structures into a Traditional Anatomy Course
- R.E. Reeves (Univ. of North Texas Health Science Center) The Integration of Computers and a Browser-based Dissector into the Human Gross Anatomy Laboratory Experience
- T.O. McCracken (Visible Productions, LLC) Digital Cadaver, an Immersive Environment for the Direct Reconstruction of Anatomical Data Sets
- D.A. Morton (Univ. of Utah School of Medicine) Annotation Tool for Images for Human Gross Anatomy
- S. Lozanoff (Univ. of Hawaii) Animating Dural Hematomas Using Plastinated Human Brain Sections
- B. Singh (Univ. of Saskatchewan) Student Leadership in the Development of a Better Learning Environment in Veterinary Gross Anatomy

Gene Expression Monitoring & 3D-Visualization 10:45 a.m.-12:45 p.m.
Chair: Johannes Streicher, Ph.D. (Univ. of Vienna, Austria)

- J. Streicher (Univ. of Vienna, Austria) Gene EMAC: Computer-based 3D-visualization of Gene Expression Patterns from Light Microscopic Serial Sections
- W.J. Weninger (Univ. of Vienna, Austria) EFIC: A Rapid 3-D Gene Expression Screening Method Based on Episcopic Images
- J. Sharpe (MRC Human Genetics Unit) OPT Microscopy: A New Approach for 3-D Microscopy and Gene Expression Studies
- J. Jernvall (Univ. of Helsinki) Mapping and Modeling Gene Expression Patterns Over 3-D Landscapes During Morphogenesis
- R. Lansford (Caltech) Dynamic, Multimodal Imaging of Embryogenesis
- G. Cheng (Medical Univ. of South Carolina) Intracellular Dynamics of a Fluorescent zol Fusion Protein in Living Cells in Response to Extracellular Calcium Concentration
- J.F. Ji (National Univ. of Singapore) Activation of Apoptotic and N-methyl-D-aspartate Receptor-calcium-neuronal Nitric Oxide Synthase Pathway in the Vagal Motor Nuclei of Rats After Right Vagotomy

TGF-Beta in Heart & Vascular Development 10:45 a.m.-12:45 p.m.
Chair: Raymond Runyan, Ph.D. (Univ. of Arizona College of Medicine)

- K.L. Kramer (Univ. of Utah) Ectodermal Syndecan 2 Regulates Left-right Axis Formation in Migrating Mesoderm as a Cell Nonautonomous Vg1 Cofactor
- E. Mironova (Univ. of South Carolina School of Medicine) The Activin-like Kinase Receptor-4 Modulates Left-right Axis Determination in Xenopus
- P.B. Antin (Univ. of Arizona) Coregulation of Heart and Liver Development by BMP Signaling
- V. Gaussin (UMDNJ) Endocardial Cushion and Myocardial Defects Following Heart-specific Conditional Deletion of the BMP Receptor ALK3
- J.V. Barnett (Vanderbilt Univ. Medical Center) TGFβ Signaling During Cardiac Morphogenesis
- R. Runyan (Univ. of Arizona College of Medicine) Cell Transformation in the Heart is Regulated by Distinct TGFβ Isoform Specific Signal Transduction and Transcription Processes
- M. Azhar (Univ.of Cincinnati Medical Center) Gene Expression Profiling During Myocardialization of Mouse Heart
- D. Walpita (Harvard Medical School) Transfection of Invasive Uveal Melanoma Cells with Dominant Negative LEF-1 Inhibits Nuclear Import of B-catenin and Together with E-cadherin Transfection Stimulates Cell Surface Localization of Cytoplasmic B-catenin and Epithelial Morphology

Wednesday, April 23

Gliogenesis in the Nervous System 3:30-5:30 p.m.
Chair: Mahendra Rao, MBBS, Ph.D. (National Institute on Aging)
- M.S. Rao (National Institute on Aging) Generation of Oligodendrocyte and Astrocyte Precursors During Development
- R.H. Miller (Case Western Reserve Univ.) Regulation of Oligodendrocyte Development in the Vertebrate Spinal Cord
- J.E. Goldman (Columbia Univ.) Cycling Progenitors in the Adult CNS
- M. Qui (Univ. of Louisville) Dual Origin of Spinal Oligodendrocyte Progenitors and Evidence for the Cooperative Role of Olig2 and Ncx2.2 in the Control of Oligodenócyte Differentiation
- D.A. Steindler (Univ. of Florida College of Medicine) Multipotent Astrocytic Stem Cells
- J.A. Kessler (Northwestern Univ. Medical School) Role of Transcriptional Inhibitors in Glial Differentiation
- J. Dietrich (Univ. of Rochester) In Vitro Characterization of Human Glial Restricted Precursor Cells

Enteric Nervous System and Control of Food Intake 8:15-10:15 a.m.
Chair: Ayman Sayegh, D.V.M., M.S., Ph.D. (College of Veterinary Medicine, Nursing & Allied Health, Tuskegee Univ.)
- T.L. Powley (Purdue Univ.) Neural Tracers Identify Autonomic Losses Correlated with Altered Feeding Patterns in Mutant Mice
- G.P. Smith (Weill Medical College, Cornell Univ.) Sham Feeding and the Cephalic Phase Control of the Enteric Nervous System
- M. Covasa (Pennsylvania State Univ.) Impaired Control of Food Intake and Reduced Enteric Neuronal Activation Associated with Dietary and Genetic Alterations in Cholecystokinin Sensitivity
- E. Adeghate (United Arab Emirates Univ.) Immunolocalization and Effect of Orexin B in the Pancreas of Normal and Diabetic Rats
- A.I. Sayegh (Tuskegee Univ.) Cholecystokinin Selectivity Activates Subpopulations of Small but not Large Intestinal Enteric Neurons in the Rat

Cell Signaling in Vascular Systems 8:15-10:15 a.m.
Chair: Charles Little, Ph.D. (Univ. of Kansas Medical Center)
- G.E. Davis (Texas A&M Univ. System Health Science Center) Rho GTPases Regulate Capillary Tube Morphogenesis in Three-dimensional Extracellular Matrix
- C. Little (Univ. of Kansas Medical Center) Computational Biology of Vasculogenesis
- R. Lansford (Caltech) Dynamic Visualization of Circulation
- **S.M. Majka** (Baylor College of Medicine) *Distinct Populations of Adult Stem Cells in Skeletal Muscle Differentially Contribute to Injury-induced Vascular Regeneration*
- **A.R. Hess** (Univ. of Iowa) *Molecular Dissection of Vasculogenic Mimicry Displayed by Highly Aggressive Human Melanoma Tumor Cells*
- **R.J. Tomanek** (Univ. of Iowa) *VEGF Receptors R2 (Flk-1) and R3 (Flk-4) Colocalize at the Site of Major Coronary Artery Formation*
- **J.D. Potts** (Univ. of South Carolina) *Characterization of the Jak-STAT Pathway During Cardiac Development*

**POSTER SESSIONS**

Anatomical Comparison of Form & Function
Anatomical Variation
Animal Models of Disease
Bone & Connective Tissue
Cardiovascular
Growth & Development
Imaging & Microscopy
Neurobiology
Reproduction
Teaching Materials & Methods
American Association of Anatomists
Board of Directors Meeting
Conference Call Minutes
November 27, 2001


[The lettered sections below refer to items listed in the meeting agenda.]

President John Fallon called meeting to order.

A. Approval of Minutes
   The minutes of the March 30, 2001, Board of Directors meeting in Orlando, Florida, were approved with no changes.

B. President's Report (Dr. Fallon)
   Dr. Fallon noted that membership development will be the key to AAA's success and that this should therefore be a significant part of our strategic planning focus in January, particularly looking at ways to attract younger members. He reviewed recent efforts to bring Zebrafish researchers and anatomy teachers into the society. Dr. Fallon said that the strategic planning retreat is one of the most important meetings we will ever have and he urged all Board members to participate.

C. Secretary-Treasurer’s Report (Dr. Haines)

C1. Draft Minutes of Finance Committee Meetings
   Finance Committee members approved the minutes of the conference call on October 4, 2001, and the meeting on November 7, 2001, with no corrections.

C2. Auditors' Report & Recommendations
   There was no discussion regarding the report or recommendations.

C3. 2001 Interim Income & Expense Statement
   There was no discussion on this informational report.

C4. 2002 budget proposal
   In response to a question, Ms. Pendleton confirmed that the proposed $3,500 per EB symposium would go toward speaker travel expenses, with abstract fees budgeted under a separate line item with registration fees.

The Board passed the following motion: MOVED, that the proposed 2002 budget be approved as presented.

C5. Journal Trust Fund Report (Dr. Ross)
   Referring to Merrill Lynch report, Dr. Ross noted that AAA had $2,496,824 in reserves as of October 31, 2001, with a 1.9% return YTD. Asset allocation was: 28% cash, 33% fixed, 39% equities. As of the market close on November 26, our account balance was $2,574,878 – a 3.9% YTD return. He noted that John Smith, our investment advisor, is optimistic about expectations for blue chip stocks over the coming six to nine months. Based on this, he may increase our equity position and reduce our cash holdings. (Note: AAA guidelines specify cash and cash equivalents, 0-40%; fixed income securities, 10-50%; equities 30-70%.)

C6. Travel reimbursement policy
   Members agreed that it is preferable to reimburse for actual meal and ground transportation expenses, rather than using a per diem. The following changes are part of the approved new policy:
   - Symposia organizers are asked to familiarize their speakers with AAA reimbursement policies.
   - Receipts for individual meals and ground transportation are required only if the expense is $25 or more.
   - Mileage reimbursement was increased to 36.5 cents/mile (IRS 2001 rate).
   - Car rentals not approved in advance will be reimbursed based on equivalent cab fare.
The Board passed the following motion:
MOVED, that the proposed travel reimbursement policy be approved as amended (and attached here).

C7. Report of the Nominating Committee
In response to a question regarding the candidates for Program Co-chair, Ms. Pendleton explained that the bylaws allowed the current Program Co-chair to run unopposed for a second four-year term. Thus, in the current election, Drs. Sinning and Tomanek are running against one another for the slot now held by Dr. Specian; Dr. Svoboda is running unopposed to continue in her current position.

Dr. Fallon thanked Ms. Pendleton for her work on preparing the budget and thanked Dr. Ross for his efforts with the Journal Trust Fund. At this point, Dr. Ross left the conference call.

D. Journals (Dr. Fallon)
Dr. Fallon reported that the journals are holding their own in regard to impact factor (1.4 for *The Anatomical Record* and 3.5 for *Developmental Dynamics*) and that Wiley thinks things are going very well. *Developmental Dynamics* will publish a double issue in December, borrowing from *The Anatomical Record* page budget. Dr. Fallon also noted that two candidates have turned down the opportunity to serve as editor of *Developmental Dynamics*; one candidate is currently considering it. Dr. Runyan said that he is on the search committee, but has not been contacted to participate.

The following comments/suggestions were made during a general discussion of journal issues:

a. Members agreed to take their cue from *The Anatomical Record* Editorial Board in terms of exploring a name change for the journal, waiting to see if the Editorial Board raises the issue again when new impact factors are available.

b. Members asked that *The Anatomical Record* Editor Roger Markwald ask Wiley to produce and distribute a “Call for Manuscripts” to increase journal submissions.

c. Members discussed revising the Young Anatomist’s Publication Award to cover members at all career levels and to include a lecture at the Annual Meeting. No submissions have been received for 2001, despite Web/newsletter promotion and ads in all of the journals, and information that should be coming from the editors to authors. Staff will follow up regarding additional promotion for this award.

d. Staff will contact Wiley to ask that they report to the Board regarding the erosion of library subscriptions, including a list of which schools have dropped which journals. Wiley will also be asked to report to the Board on follow-up of other specific marketing requests. This topic will be an agenda item at the next Board meeting.

E. Bylaw Revisions
Dr. Fallon noted that the association’s bylaws should be considered a “living document” that require revision from time to time. Members discussed each proposed change; the amended proposal is attached. These changes require member approval via ballot and at the April 2002 Business Meeting.

The Board passed the following motion:
MOVED, that the proposed bylaw revisions be approved as amended (and attached here).

F. Outreach Award Recommendations (Dr. Culberson)

The Board passed the following motion:
MOVED that, based on the report of the AAA Outreach Grant Subcommittee, AAA fund the following Outreach Grant proposals in the amounts noted:

- **Stephen LoRusso, Ph.D., Saint Francis University** – $1,500 to support a three-day anatomy workshop for high school teachers and their students in the spring of 2002.

- **Robert Clark Lantz, Ph.D., University of Arizona College of Medicine** – $3,000 to support attendance of five young investigators at the 11th International Symposium on Cells of the Hepatic Sinusoid and Their Relation to Other Cells, which will be held August 25-29,
2002, near Tucson, Arizona. [Dr. McCuskey excused himself from this vote.]

- Todd Olson, Ph.D., and Kenneth Wright, Ph.D. on behalf of Shakuntala R. Pai, Ph.D., Kasturba Medical College, India – $3,000 to support a national conference/CME program on teaching and evaluation in anatomy sponsored by the Anatomical Society of India.
- John Davis, Alma College – $2,500 to support an anatomy workshop for high school teachers in mid-Michigan.

Dr. Fallon thanked the Committee for their effort in reviewing the Outreach Grant proposals.

G. JAA-AAA history & future plans (Dr. Fallon)

Dr. Fallon said there will be a hiatus in the Japanese-AAA exchange effort in 2002. In the meantime, he appointed Dr. McCuskey to work with JAA officers to reach a written agreement on future cooperative efforts, including what each organization wants to achieve, what role each organization will play, and what costs are involved. Dr. McCuskey will likely attend the 2002 JAA meeting to discuss these issues. A proposal will then be brought to the AAA Board, either at the meeting on April 19, 2002, or in the summer of 2002. This issue must be settled in time for EB 2003 program planning.

H. FASEB Constitutional Change Re: Election of President

The Board passed the following motion:
MOVED, that the AAA Board of Directors approves that the FASEB President be elected from those directors serving in their third year on the Board.

I. Conflict of Interest Form

Dr. Fallon reminded everyone to fill out this form and fax it to the National Office.

J. Executive Director Annual Review

Dr. Fallon explained that Ms. Pendleton had written a summary of her accomplishments for 2001 and goals for the coming year. This will be reviewed by the Executive Committee.

K. Other Business

Dr. Svoboda mentioned that the EB Program Committee is set for December 13, at which time all abstracts will be sessioned. She noted that all nine ACYA members are participating as judges for the student awards.

Dr. Fallon adjourned the meeting at 4:30 p.m. EST.

Prepared by Andrea Pendleton
AAA Executive Director

Approved by Board with minor corrections
January 26, 2002
American Association of Anatomists  
Board of Directors Meeting  
Minutes  
January 26, 2002  
Lansdowne Resort, Leesburg, Virginia

The Board passed the following motion: 
MOVED, that the proposed bylaw changes related to Article IV, Section 8, be approved as presented.

Dr. Fallon adjourned the meeting,

Prepared by Andrea Pendleton  
AAA Executive Director

Approved by Board without change  
April 19, 2002

Attendance  

[The lettered sections below refer to items listed in the meeting agenda.]

The Board held a brief meeting during its Strategic Planning Retreat to approve various bylaw revisions. President John Fallon called meeting to order.

A. Approval of Minutes  
The minutes of the November 27, 2001, Board of Directors conference call meeting were approved with minor corrections.

B. Bylaw Revisions  
In discussion, members agreed that it is the Board intent to retain reference to the Journal Trust Fund Committee in the bylaws, noting that this will soon be renamed “The Journal Trust Fund and Investment Committee.”

The Board passed the following motion: 
MOVED, that the proposed bylaw changes except those related to Article IV, Section 8, be approved as presented.
American Association of Anatomists
Board of Directors Meeting
Minutes
April 19, 2002
New Orleans, Louisiana

Attendance

[The lettered sections below refer to items listed in the meeting agenda.]

President John Fallon called meeting to order.

A. Minutes
A1. November 27, 2001 – FYI only
A2. The minutes of the January 26, 2002, Board of Directors meeting in Leesburg, Virginia, were approved without change.

B. President's Report
B1. Committee appointments (appended)

The Board passed the following motion: MOVED, that the enclosed list of 2002 committee appointments be approved.

B2. Nomination of Pei Kang to replace April Collins on AAA Board

The Board passed the following motion: MOVED, that Pei Kang be appointed to the AAA Board of Directors to complete the term of April Collins, thereby serving from today through April 15, 2003.

B3. Strategic planning update

Dr. Fallon stressed the importance of the strategic planning effort that the Board has undertaken. He noted, in particular, that members needed to assess what resources are available and recognize that to take on new projects, we may need to eliminate others. He appointed a Strategic Planning Oversight Team (SPOT), to include Michiko Watanabe (chair), David Burr, and Robert McCuskey. He also reminded the Board that they would be meeting the next day from 1:30-3:30 p.m. to review the draft plan.

B4. Bylaw proxy update
Ms. Pendleton said that 129 proxies had been received and that the vote favored the bylaw revisions, 126-3; therefore, the revisions were likely to pass at the Business Meeting.

B5. Anatomy Survey update
Dr. McCuskey explained that AAA and AACBNC were cooperating on doing a survey of anatomy chairs. For those who had not attended the Strategic Planning Retreat, he relayed the story of meeting with representatives of the Council of Deans, who said that they were modifying programs to eliminate anatomy due to their concern that there would be no new instructors for anatomy courses. Among other things, the AAA survey will gather data to determine if this assessment is correct. Dr. Fallon noted that one outcome of the survey will be an article that he will write, possibly with Dean Kirch of Penn State as a co-author.

C. Membership
C1. New members for 2002 Approval (appended)
Dr. Fallon suggested that each Board member contact their former students about joining AAA.

The Board passed the following motion: MOVED, that the enclosed list of new members for 2002 be accepted, with two additions: Bill Saltarelli, Central Michigan Univ. (Regular) and Edith Margaryan, Univ. of Hawaii at Manoa (Student).
C2. Honorary Member nominations
Dr. Yates proposed three new Honorary Members.

The Board passed the following motion: moved that Liberato John Alphonse Di Dio, Mercea Ifrim, and Harumichi Seguchi be approved as AAA Honorary Members, pending approval by the membership at the Annual Business Meeting.

C3. Strategic planning charge
Dr. McCuskey said that the Membership Committee will be asked to play a more active role in membership recruitment and retention. They will meet later in the week to discuss this and to consider working with a membership marketing consultant.

Dr. Specian commented that many new members are not in anatomy departments. Dr. Brunso-Bechtold noted that the $250 student travel award is a significant selling point in recruiting student members.

C4. Membership renewal
Reviewing the 2002 membership renewal data, Ms. Pendleton noted that a recent survey (2001) found that the average retention rate for individual membership societies such as AAA is 84%. AAA’s overall retention rate for 2002 was 86.8% (as of 4/10/02), up from 83.2% last year. If students are not considered, the AAA renewal rate for 2002 was 92.5%. While staff will continue working to improve retention, Ms. Pendleton noted that it may be unrealistic to expect significant increases. Therefore, it was more important than ever to focus on new sources for membership development.

Members suggested that AACBNC be asked to subsidize faculty, particularly assistant professors, in paying AAA dues and to pay for student memberships. Dr. Carmichael was asked to relay this request to the chairs’ organization; he noted that they would be very receptive.

C6. AAA & JAA
Based on a meeting with officers of the Japanese Association of Anatomists, also attended by Drs. Slonecker and Yates, Dr. McCuskey explained that the JAA has reservations about continuing the current exchange relationship. While they believe that the AAA Annual Meeting at EB does not represent the top research, they may be interested in retaining a connection with the AAA education program. They will let us know by June.

The following comments/suggestions were made during a general discussion of this issue:

- JAA is interested in having a joint symposium at the International Congress of Anatomists in Kyoto in 2004—possibly a session on the role of anatomy in imaging or proteomics.
- AAA should budget for Kyoto and really have a presence there, including a membership booth.
- Possibly send AAA award winners to present lectures.
- AAA should be integrated with the full Congress, including posters.
- AAA will send a copy of strategic plan to JAA president.

D. FASEB

D1. Presidential initiatives & key activities
Dr. Rich reviewed the major policy issues in which FASEB has been engaged over the past year, including: NIH doubling & post-doubling; rats/mice/birds; stem cell research; cloning; and HIPAA privacy regulations. In response to a question, he explained how FASEB develops its public policy statements.

D2. FASEB update
Dr. Golub reviewed plans for the new FASEB building and the upcoming capital campaign. He said construction would begin in June, with occupancy set for the Fall of 2003. He also mentioned that the National Research Council was planning an assessment of graduate training programs. Dr. Fallon noted that FASEB should take some responsibility in the medical training arena.

D3. AAA Letter of Intent to move into new FASEB building
The Board passed the following motion: MOVED, that the Executive Director be authorized to sign a Letter of Intent related to having the AAA National Office occupy space in the new FASEB building upon completion in 2003. The final Board decision regarding this move is subject to receiving firm figures from FASEB related to space, rent, and schedule.

E. Secretary-Treasurer’s Report

E1. Finance Committee minutes: November 7, 2001: For information only.

E2. Investment Policy and Committee Scopes

The Board passed the following motion: MOVED, that the revised Investment Policy be approved as presented, but eliminating the word “Income” in the top heading on page 5, so that it reads: “Use of Journal Trust Fund.”

The Board passed the following motion: MOVED, that the revised AAA Finance Committee scope be approved as presented.

The Board passed the following motion: MOVED, that the revised Journal Trust Fund Committee scope be approved as presented, renaming it the Journal Trust Fund and Investment Committee.

E3. Journal Trust Fund (report appended) Dr. Ross noted that the fund had increased by .11% in the first quarter of 2002. He also expressed his concern and that of John Smith, AAA’s financial manager at Merrill Lynch, regarding the fact that AAA’s auditors do not view the association’s investment as a conservative portfolio.

Dr. Fallon said that AAA is continuing the relationship with Merrill Lynch and that both Dr. Ross and Mr. Smith have done a good job in managing the association’s assets. He thanked Dr. Ross as he ended his term as chair of the Journal Trust Fund and Investment Committee, noting that the new chair would be David Burr.

The Board passed the following motion: MOVED, that the 2002 First Quarter Report on the Journal Trust Fund be accepted.

E4. 2001 Unaudited Year-end Income & Expense Statement
There were no questions or discussion.

E5. 2002 Jan./Feb. Year-to-Date
There were no questions or discussion.

The Board passed the following motion: MOVED, that AAA enter into a one-year contract with Nonprofit Management Inc. to provide public policy services.


The Board passed the following motion: MOVED, that the 2003 budget assumptions be accepted, with the addition of an “event” to honor Paul Goetinck at EB 2003 for 10 years as editor of Developmental Dynamics.

E7. Dues for 2003

The Board passed the following motion: MOVED, that the dues structure remain the same for 2003 as in 2002.

E8. Election results
Dr. Haines reported that Lynn Opperman and Robert Specian had been elected to three-year terms as Directors; that Patrick Nahirney had been re-elected to a two-year term as Student/Postdoctoral Director; and that Robert Tomanek had been elected to a four-year term as Program Co-chair.

F. Advisory Committee of Young Anatomists
Dr. Poznanski reviewed the ACYA’s written report and noted that the committee was meeting with potential new members on Sunday morning in the AAA staff office. She made the following points:
- The ACYA is considering a separate student award for education abstracts.
- ACYA is seeking suggested criteria for a possible Mentorship Award to encourage the
G3. Honorary Members
Dr. Yates presented a proposal to consider AAA award winners for honorary members in the association. He noted that this would give the awardees more visibility and would give AAA additional "mileage" for its award program.

The Board passed the following motion:
(which was not approved at the Business Meeting)
MOVED, that recipients of AAA's Bensley, Herrick, and Mossman awards be considered by the Honorary Membership Committee as candidates for AAA Honorary Membership, following the standard nomination and approval process. The success of this process would be assessed after five years. Pending approval of the Honorary Members Committee, this motion would be retroactive to include 2002 award recipients.

G4. Henry Gray Award & Ladman Award
Dr. Yates reported that the Henry Gray recipient is Peter Satir and the Ladman Award winner is Charles Slonecker. He suggested having a full committee for the Ladman Award, rather than just the President Emeritus. It was agreed that the same committee would judge both the Gray and the Ladman awards, as is typically done in practice.

Dr. Svoboda noted a new Annual Meeting feature: each year, the Gray winner will be asked to organize a symposium for the following year's meeting.

H. Experimental Biology

H1. EB 2001 financial summary
Dr. Svoboda reviewed the final budget summary for the 2001 AAA Annual Meeting. She noted that expenses were about $20,000 under budget and revenues were within $1,800 of the budgeted goal, resulting in a net meeting cost of just under $26,000.

H2. EB 2002 preliminary data
Dr. Svoboda pointed to a 4% overall increase in AAA abstracts from 2001 to 2002, with a 15.5% increase in general submitted abstracts (not
considering invited speakers). She said that a new feature at this year’s meeting would be the AAA ChatRoom, where attendees could gather in the AAA Office after a session to continue their discussion over coffee or soda. For 2003, she noted that we have two new guest societies – the Histochemical Society and the International Stereology Society – and that the meeting would run from Friday through Tuesday to avoid overlapping with the first evening of Passover.

H3. AAA participation in EB 2009 and EB 2010

The Board passed the following motion: MOVED, that AAA agrees to participate in EB 2009 & EB 2010.

H4. Proposed change in EB abstract fee distribution

The Board passed the following motion: MOVED, that AAA approve the proposed change in the EB Governance Document by which the full abstract processing fee is credited to the meeting rather than split with the Principal Programming Society. (See change on page 5 of Governance Document.)

I. Journals

I1. Anatomical Record
In reviewing his written report, Dr. Markwald made the following points:
- The past quarter has been the best so far, after a downturn in the last quarter of 2001.
- AR still needs to reduce review time.
- “Expressions” will be the future of the journal, descriptive in the best sense of the word.
- A special issue on the “Visible Mouse” is planned, based on a symposium set for the next Annual Meeting.
- It’s time to give discussion of a name change a rest.
- A separate meeting on strategic planning for AAA journals might be useful.
- Papers submitted to AR on gross anatomy, clinical anatomy, and education are being sent to Clinical Anatomy.

I2. Developmental Dynamics
Dr. Fallon reviewed the report submitted by Paul Goetinck, noting that 200+ submissions were expected in 2002. He noted that review articles have a “time to publication” of about 8-9 weeks and are posted online in front of the Wiley firewall for free access.

I3. New Anatomist
Dr. Haines reviewed the report submitted by Mark Paalman, pointing especially to the number of article downloads – for example, the articles in the special imaging issue were downloaded an average of 2,000 times each, with the most popular – “Maps of the Brain” – downloaded 3,470 times. Ms. Pendleton asked Wiley representatives if data was available on who downloads these articles; this is not available, due to privacy concerns.

I4. Wiley update
- Mr. Ingram reported that institutional subscription drops have moderated: AR had 93% renewal and DD had 95-96% renewal. Some have moved from print to online subscriptions. Overall, there is an increase in the number of “eyes” seeing the journals, due to the number of enhanced access site licenses. The net effect is that things are holding steady.
- In response to a question, Mr. Ingram said that Wiley was not likely to provide complimentary back issues to resubscribing institutions, since archival material still has value. He noted that non-subscribers can negotiate a price to purchase back issues if they subscribe.
- Ms. Olson reviewed data for full-text downloads and abstract downloads, noting that this leads to increased citations and improved impact factor. It was suggested that providing this information to authors could enhance the value of publishing in the journal.
- Ms. Morton reviewed various marketing initiatives. She noted that she got many requests for additional copies of the DD poster. She also reported that AAA journals are offered at reduced rates to several other societies (AR = $150; DD =
$125). This increases journal exposure and the potential for future submissions.

- Mr. Ingram noted that Wiley is looking at a plan to roll-out an online-only subscription, but could not provide a timeline.

I5. **Board-only discussion**

I5a. **Anatomical Record**
The Board had a confidential discussion about the journal and agreed that Dr. Fallon would speak with Dr. Markwald to communicate key points.

I5b. **Developmental Dynamics**
The Board discussed the process for selecting a new editor for the journal.

**The Board passed the following motion:**
MOVED, that there is agreement in principle that Gary Schoenwolf be appointed as editor of *Developmental Dynamics* to succeed Paul Goetinck and that Drs. Fallon, McCuskey, and Haines be asked to negotiate with Wiley on contractual issues and report back to the Board. It was understood that Dr. Schoenwolf would begin as of July 1 to set up an editorial office and move forward on some initiatives, that Dr. Goetinck would continue in his current role through 2002, and the full Editorial Board would resign as of December 31, 2002.

J. **Archives**
Dr. Fallon said that he prefers not to have an official AAA archivist and that AAA archival materials can catalogued by a professional group, such as the University of Maryland. The following points were made in discussion:

- Board photos, meeting photos, and CVs of elected Board and award winners could be accumulated each year and stored on a CD.
- A facility such as the University of Maryland or Johns Hopkins could organize and catalog, while members could solicit and serve as a conduit for future material.
- Information about what has been archived could be posted on the Web and noted in a newsletter article.

**The Board passed the following motion:**
MOVED, that AAA eliminate the position of Archivist and substitute a three-person Historical Committee appointed by the Board to collect and review potential archival information. Ask the Executive Director to research options related to having an outside entity—such as a university—catalog and maintain AAA’s archival materials.

K. **New Business**
The Board agreed that its next meeting would take place October 25-27, 2002, in Crystal City (near National Airport), with the Finance Committee meeting on Friday afternoon.

Ms. Pendleton thanked the AAA staff and reported that Ms. DuLerey would be leaving AAA after the meeting; her position will be filled by Jacqueline Watling, formerly with the American College of Obstetrics and Gynecology.

L. **Board Development**—items included for information only.

M. **Thanks and Wrap-up**
In closing the meeting, Dr. Fallon thanked outgoing members for their service: Dr. Judy Brunso-Bechtold, Dr. Stephen Carmichael, and Dr. James Culberson.

N. **Adjournment**

*Prepared by Andrea Pendleton*
*AAA Executive Director*

*Approved by Board without change*
*October 26, 2002*
American Association of Anatomists
Annual Business Meeting
Minutes
April 22, 2002
New Orleans, Louisiana

The meeting was called to order by President John Fallon. Approximately 60 members were in attendance.

A. Approval of minutes
The minutes of the April 2, 2001, meeting in Orlando, Florida, were approved.

B. President’s Report

B1. Committee appointments
Dr. Fallon asked for a motion to approve committee appointments; the motion was approved. The committee roster was corrected to show that Dr. Raymond Papka was an outgoing member of the Educational Affairs Committee. In response to a question about how committee members were selected, Dr. Fallon and Ms. Pendleton explained that members were encouraged to volunteer for committee and other assignments by using the Member Participation form sent to each new member upon joining; it also appears in the newsletter and on the Web site. Most of those appointed to committees are chosen from these volunteers.

B2. Strategic planning
Dr. Fallon reviewed the strategic planning process initiated by the Board of Directors. He noted the six strategic areas for AAA focus:
1. Building excellence in core research areas.
2. Enhancing the education and teaching program.
4. Increasing AAA’s impact through strategic membership growth.
5. Transforming AAA into a highly collaborative organization partnering with relevant societies for mutual benefit.

New activities in the near-term to implement the society’s strategic plan include:
A. Establishment of task forces to develop new annual meeting programs related to emerging technologies and key areas such as imaging and systems biology.
B. Development of a comprehensive Education Web site providing material for students and teachers at all levels.
C. Collaboration with ASPET and other societies on a new initiative focusing on the importance of systems biology.
D. Evaluate incentives for recruiting and retaining student members.
E. Developing a partnership strategy to be followed in establishing or enhancing relationships with the Anatomy chairs organization (AACBNC), AACA, HAPS, and the Zebrashark community.

B3. Bylaw revisions
Dr. Fallon asked for a motion to approve proposed changes to AAA’s bylaws. Based on proxy voting of 126 for and 3 against, plus in-person voting of 26 for and 0 against, the bylaws revisions were approved on a vote of 152-3; those present who had already voted via proxy did not vote again.

C. President Elect’s Report
Dr. McCuskey described the Anatomy Profession Survey being conducted by AAA this summer and urged all department chairs to respond. Among other things, the survey will look at training, curricula, salary, demographics, and infrastructure issues, including the “pipeline” issue of who will teach anatomy in the future.

D. Past President’s Report

D1. Honorary Member nominations
Dr. Yates moved that the following people be approved as Honorary Members of the association: Liberato John Alphonse Di Dio, Mircea Ifrim, and Harumichi Seguchi; the motion was approved.

Dr. Yates then proposed a motion, previously approved by the Board, that recipients of AAA’s Bensley, Herrick, and Mossman awards be
considered by the Honorary Membership Committee as candidates for AAA Honorary Membership, following the standard approval process. After extensive discussion, Dr. Fallon asked that the motion be tabled.

D2. Henry Gray Award
Dr. Yates announced that Dr. Peter Satir was the 2002 recipient of AAA’s Henry Gray Award.

E. Secretary-Treasurer’s Report

E1. 2001 Year-end Income &Expense
Statement
Dr. Haines presented the 2001 Year-end Income & Expense Statement. In response to a question, he noted that the increased expense for the Terminology Committee was due to the fact that AAA hosted the FICAT meeting in 2001.

E2. Dues structure for 2003
Dr. Haines offered a motion that the dues structure for 2003 remain the same as in 2002; the motion was approved.

E3. New Members for 2002 Approval
Dr. Haines offered a motion to approve 100 new Regular members and 75 new student members, including two people not included on the list that had been distributed (Bill Saltarelli, Regular; Edity Margaryan, Student). The motion was approved. (See page 44.)

E4. Deceased members
Dr. Haines asked for a moment of silence to remember those members who had died over the past year. (See page 47.)

E5. Election results
Dr. Haines presented the 2002 election results, as follows:

Board of Directors: Lynn A. Opperman, Ph.D. (3-year term); Robert D. Specian, Ph.D. (3-year term); Patrick C. Nahirney, Ph.D. (2-year term, Student-Postdoctoral Representative)
Annual Meeting Co-chairs: Kathy K.H. Svoboda, Ph.D. and Robert J. Tomanek, Ph.D. (4-year terms)

F. Experimental Biology
F1. Comparative data: EB 1996-2002
Dr. Svoboda pointed to a 15.5% increase in general abstract submissions from 2001 to 2002. She corrected an earlier comment that the Annual Meeting was making money; the 2002 meeting revenues were about $20,000 less than had been projected, so the net cost of the meeting was about $26,000, rather than the $44,000 that had been budgeted.

F2. Planning for EB2003
Dr. Svoboda explained that the 2003 meeting would begin on Friday and end on Tuesday, with most AAA programming—except for the Cajal Club—moving ahead one day. Other changes for 2003 include two new guest societies—the Histochemical Society and the International Society for Stereology—and the addition of a Henry Gray symposia organized by the prior year’s award recipient. She also noted that AAA was working with some of the other EB co-sponsors to group posters by topic category rather than by society.

In response to a question, Dr. Svoboda explained the difference in structure and funding of AAA symposia and platform sessions.

As he completed his term as Annual Meeting Co-chair, Dr. Specian thanked Dr. Svoboda, staff, and others he has worked with over the past several years.

G. Executive Director’s Report
Ms. Pendleton introduced and thanked AAA staff members Mary Moran and Mary DuLaney, who will be joining the FASEB staff immediately after the Annual Meeting. Her replacement at AAA, Jackie Watling, was also introduced.

G1. Membership data
Noting that most AAA members joined the organization because a colleague or professor asked them to, Ms. Pendleton pointed to the membership applications that had been distributed and said that each member in the room was a key component of AAA’s membership marketing strategy.
She pointed to good news in regard to membership renewal: While the average renewal rate for individual membership organizations such as AAA was 84%, AAA went from 83.2% in 2000 to 86.8% in 2001; looking at only Regular members, the renewal rate was 90.3%. Students went from 52% in 2000 to 65% in 2001 – the right direction, but still a lot of room for improvement.

Ms. Pendleton reviewed the features implemented in the past year on AAA’s relaunched Web site, AnatomyLink. These include the Career Center, Scientific Meetings Calendar, the searchable Directory of Departments and Directory of AAA Members, and Resource Links. She noted that the Education portion of the links section would be expanded to include more teaching tools, a “Dear Scientist” section for students to ask questions, a collection of images and diagrams to be used for teaching, and the AAA Education listserv.

H. New Business
There was no new business.

Dr. Fallon adjourned the meeting.

Prepared by Andrea Pendleton
AAA Executive Director

Approved by Board without change
October 26, 2002.
American Association of Anatomists
Past President’s Breakfast
April 21, 2002
New Orleans, Louisiana

Those present were Past Presidents Bruce Carlson, Donald Fischman, Michael Gershon, Elizabeth Hay, Robert Jollie, Roger Markwald, John Pauly, Gary Schoenwolf, Charles Slonecker, and Robert Yates; President John Fallon; President Elect Robert McCuskey; Secretary-Treasurer Duane Haines; Executive Director Andrea Pendleton.

The meeting was called to order by President John Fallon.

Dr. Fallon reviewed AAA’s important strategic planning process and related efforts, stressing the following points:

- Membership is holding its own, but not growing.
- New assistant professors are attracted to more focused societies.
- Membership is interlinked with how AAA is perceived as an organization.
- It is important that we continue to enhance the scientific aspect of the Annual Meeting and to improve the scientific image of the organization, particularly with deans.

Dr. Fallon noted that AAA and AACBNC were cooperating on doing a survey of anatomy chairs. He relayed the story of meeting with representatives of the Council of Deans during the AAA Strategic Planning Retreat. They said that they were modifying programs to eliminate anatomy due to their concern that there would be no new instructors for anatomy courses. Among other things, the AAA survey will gather data to determine if this assessment is correct. Dr. Fallon said that one outcome of the survey will be an article that he will write, possibly with Dean Kirch of Penn State as a co-author.

Prepared by Andrea Pendleton
AAA Executive Director
American Association of Anatomists
Journal Trust Fund

2001 Account Snapshot

Account #733-04299
Beginning Value January 1, 2001 $1,790,438
Funds Added January 2001 $659,624
Total $2,450,062
Total Account Value as of December 31, 2001 $2,575,419
Total Income & Appreciation for 2001 $137,709
Time-Weighted Annual Return for 2001 6.2%

2002 Account Snapshot

Account #733-04299
Beginning Value January 1, 2002 $2,575,420
Total Account Value as of December 31, 2002 $2,413,309
Total Income & Appreciation for 2002 ($155,625)
Time-Weighted Annual Return for 2002 (6.06%)

2003 Year-to-Date

Account #733-04299
Beginning Value January 1, 2003 $2,413,309
Total Income & Appreciation for YTD June 30, 2003 $137,503
Current Portfolio Value June 30, 2003 $2,550,812
Time-Weighted Annual Return Year-to-Date 5.70%
Time-Weighted Annual Return for 2000 3.05%
Time-Weighted Annual Return for 1999 8.70%
Time-Weighted Annual Return for 1998 6.83%

Asset Allocation Mix

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<th>Year</th>
<th>Cash</th>
<th>Equity</th>
<th>Fixed Income</th>
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<tr>
<td>December 31, 2001</td>
<td>28%</td>
<td>42%</td>
<td>30%</td>
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<tr>
<td>December 31, 2002</td>
<td>17%</td>
<td>30%</td>
<td>53%</td>
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<tr>
<td>June 30, 2003</td>
<td>27%</td>
<td>28%</td>
<td>45%</td>
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# American Association of Anatomists
## Statement of Financial Position
### As of December 31, 2002
#### With Summarized Financial Information for 2001

### Assets

#### Current Assets

<table>
<thead>
<tr>
<th></th>
<th>2002</th>
<th>2001</th>
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</thead>
<tbody>
<tr>
<td>Cash and cash equivalents</td>
<td>$687,768</td>
<td>$764,428</td>
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<td>Investments</td>
<td>43,010</td>
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<td>Accrued interest</td>
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<td>11,258</td>
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<td>Accounts receivable</td>
<td>29,499</td>
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<td>Prepaid expenses</td>
<td>37,128</td>
<td>32,383</td>
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<td><strong>Total current assets</strong></td>
<td>809,417</td>
<td>854,056</td>
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#### Furniture and Equipment

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<tr>
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<th>2001</th>
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<td>Furniture and equipment</td>
<td>39,067</td>
<td>39,067</td>
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<tr>
<td>Less: Accumulated depreciation</td>
<td>(39,067)</td>
<td>(39,067)</td>
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<tr>
<td><strong>Net furniture and equipment</strong></td>
<td>-</td>
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#### Other Assets

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<td>2,564,161</td>
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<td><strong>Total Assets</strong></td>
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<td>$3,418,217</td>
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### Liabilities and Net Assets

#### Current Liabilities

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<td>Accounts payable</td>
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<td>$72,998</td>
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<td>Due to FASEB</td>
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<td>Accrued vacation</td>
<td>19,294</td>
<td>14,668</td>
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<td>Deferred dues</td>
<td>105,294</td>
<td>104,094</td>
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<td>Other deferred revenue</td>
<td>7,622</td>
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<td><strong>Total current liabilities</strong></td>
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<td>241,573</td>
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#### Net Assets

<table>
<thead>
<tr>
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<th>2002</th>
<th>2001</th>
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<tr>
<td>Unrestricted:</td>
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<tr>
<td>Undesignated</td>
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<td>602,020</td>
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<td>Board designated</td>
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<td>Temporarily restricted</td>
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<td>Permanently restricted</td>
<td>760</td>
<td>760</td>
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<td><strong>Total net assets</strong></td>
<td>3,044,040</td>
<td>3,176,644</td>
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<tr>
<td><strong>Total liabilities and net assets</strong></td>
<td>$3,210,715</td>
<td>$3,418,217</td>
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</tbody>
</table>
# American Association of Anatomists

## Statement of Functional Expenses

For the Year Ended December 31, 2002

With Summarized Financial Information for 2001

<table>
<thead>
<tr>
<th>2002 Program</th>
<th>Membership</th>
<th>Newsletter</th>
<th>Governance</th>
<th>Website</th>
<th>Public Affairs</th>
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<tbody>
<tr>
<td>Salaries</td>
<td>$52,081</td>
<td>$14,204</td>
<td>$14,204</td>
<td>$37,877</td>
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<td>Annual leave</td>
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<td>333</td>
<td>333</td>
<td>888</td>
<td>111</td>
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<tr>
<td>Payroll taxes</td>
<td>3,273</td>
<td>893</td>
<td>893</td>
<td>2,380</td>
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<tr>
<td>Pension</td>
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<td>1,045</td>
<td>1,045</td>
<td>2,788</td>
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<tr>
<td>Insurance</td>
<td>935</td>
<td>255</td>
<td>255</td>
<td>680</td>
<td>85</td>
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<tr>
<td>Hospitalization</td>
<td>3,063</td>
<td>835</td>
<td>835</td>
<td>2,227</td>
<td>278</td>
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<tr>
<td>Advocacy</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Catering and events</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Annual meeting travel awards</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cajal contribution</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Commissions and consulting</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Committees and President</td>
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<tr>
<td>Computer equipment and services</td>
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<td>1,133</td>
<td>1,133</td>
<td>3,022</td>
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<td>Dues and assessments</td>
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<td>-</td>
<td>24,648</td>
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<td>Editorial office expense</td>
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<tr>
<td>Equipment rental</td>
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<td>327</td>
<td>327</td>
<td>872</td>
<td>109</td>
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<td>Honoraria and stipends</td>
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<td>Investment expense</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
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<td>Journal subscriptions</td>
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<td>Membership survey</td>
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<tr>
<td>Minority workshop</td>
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<td>Miscellaneous</td>
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<td>Office supplies</td>
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<td>177</td>
<td>177</td>
<td>472</td>
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<td>Personnel office expense</td>
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<td>314</td>
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<td>Professional development</td>
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<td>42</td>
<td>42</td>
<td>111</td>
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<td>Photography</td>
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<td>-</td>
<td>-</td>
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<tr>
<td>Professional services</td>
<td>22,994</td>
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<td>20,214</td>
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<td>Promotion expense</td>
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<tr>
<td>Postage and delivery</td>
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<td>4,724</td>
<td>1,506</td>
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<td>Printing and duplicating</td>
<td>7,290</td>
<td>25,987</td>
<td>1,304</td>
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<tr>
<td>Registration and abstract fees</td>
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<td>-</td>
<td>-</td>
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<tr>
<td>Rent</td>
<td>3,943</td>
<td>1,075</td>
<td>1,075</td>
<td>2,868</td>
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<td>Support for other conference</td>
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<td>Travel</td>
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<td>39,094</td>
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<td>189</td>
<td>189</td>
<td>504</td>
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<td>Bank and credit card charge</td>
<td>9,620</td>
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**Total**

$136,007 | $51,533 | $142,675 | $55,526 | $19,932
<table>
<thead>
<tr>
<th>Services</th>
<th>Annual</th>
<th>Other</th>
<th>Total</th>
<th>Management</th>
<th>Total</th>
<th>Total</th>
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<tr>
<td></td>
<td>Journal</td>
<td>Program</td>
<td>Program Services</td>
<td>and General</td>
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<td></td>
<td>Conference</td>
<td>Awards</td>
<td></td>
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<td>$4,735</td>
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<td>1,609</td>
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<td>4,828</td>
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<td>5,549</td>
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<td>4,314</td>
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| $210,455 | $284,964 | $34,522 | $8,082 | $943,696 | $98,650 | $1,042,346 | $827,998 |

* Should be under "Awards."
AMERICAN ASSOCIATION OF ANATOMISTS

STATEMENT OF FUNCTIONAL EXPENSES
FOR THE YEAR ENDED DECEMBER 31, 2001
WITH SUMMARIZED FINANCIAL INFORMATION FOR 2000

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| $145,816 | $287,486 | $20,948 | $774,777 | $53,221 | $827,998 | $776,602 |
New AAA Regular Members
Elected April 22, 2002

Maghiar Adrian - Univeristy of Oradea
Arshak R. Alexanian, PhD - Medical College of Wisconsin
Miguel L. Allende, PhD - Universidad De Chile
David L. Atkins, PhD - Falls Church, Virginia
Soghra Sara Bahmanpour, PhD - Morehouse School of Medicine
Barbara G. Battoe - WCP Laboratories, Inc.
Eugenio Bertelli, MD, PhD - University of Siena
Jacqueline W. Brittingham, PhD - Simpson College
Carlos R. Caramori, MD - Porto Alegre, Brazil
Ng Chee-Hon, BDS - National University of Singapore
Qian Chen, PhD - Penn State University College of Medicine
Matthew W. Clark, PhD - Elon College
Sandra K. Collins - Chaffey College
Horacio A. Conesa, MD - University of Buenos Aires School of Medicine
Peter Cserjesi, PhD - LSUHSC
Erika Cvetko, PhD - Ljubljana, Slovenia
John E. Davis, PhD - Alma College
Joseph DeBlasio, MD - Robbinsville, New Jersey
Ayodele B. Desalu, MD, PhD - Ross University School of Medicine
Edward W. Devlin, PhD - Hampden-Sydney Col
Stephen H. Devoto, PhD - Wesleyan University
Pushpa Dhar - All India Institute of Medical Sciences
Leah Dvorak, PhD - Concordia University of Wisconsin
Ashraf Abdel Mohsen El Sharaby, PhD - Osaka University
Bertha C. Escobar-Poni, MD - Loma Linda University
Ifrim Chen Feng - University of Oradea
Michael B. Ferrari, PhD - University of Missouri
Brian D. Fisher, PhD - University of Alberta
Edward R. Garrison, PhD - Dine College
Olu B. Gbonengun, PhD - Long Beach, California
Stefano Geuna - University of Torino
Eric Glasgow, PhD - Northeastern Ohio Universities College of Medicine
Sandra R. Grabowski, PhD - Purdue University
Mahhur Gupta - Chandigarh, India
Santos Guzman, PhD - Autonomus University of Nuevo Leon
William C. Hamlett, Ph.D - Indiana University School of Medicine
Debra J. Hazen-Martín, PhD - Medical University of South Carolina
Kenneth C. Hislely, PhD - University of Maryland, Baltimore
Stanley R. Hoffman, PhD - Medical University of South Carolina
Norman Hu - University of Utah
Boris Kablar, MD, PhD - Dalhousie University
Maria Ledda - University of Milano
Hye-Yeon Lee, MD, PhD - Yonsei University College of Medicine
Anna A. Lerant, MD - University of Mississippi Medical Center
Jeffrey M. Levsy - Albert Einstein College of Medicine
Edmundo Llamas, MD, PhD - Facultad De Medicina De La UASLP
Donald J. Lowe, PhD - University of Cincinnati
Yoshio Mabuchi - Nagoya City University Medical School
Maria Ines Maldonado, MD - Escuela Colombiana De Medicina
Oscar J. Manrique, MD - Boston, Massachusetts
Maciej P. Markowski, MD, PhD - Clarkson University
Melanie A. McCollum, PhD - Case Western Reserve University
Cynthia H. McDermott, PhD - Harvard Medical School
Tristan McKenna - University of Massachusetts Med Sch
Alison L. McKenzie, PT, PhD - Chapman University
Ifrim Gheorghe Mircea - Romanian Parliament
C.H. Misra, PhD - Richmond, Texas
Stephen J. Moorman, PhD - Robert Wood Johnson Medical School
Carol A. Nichols, PhD - Medical College of Georgia
C. Murphy Nmezi, MD, PhD - WBJI
Olufunke O. Oderinde - University of Leece
Oluwadoyo O. Oluwadara - University of Ibadan
Connie E. Osborn, PhD - Michigan State University
Ferdinand Osuagwu, MBBS - University of Ibadan
Andrew F. Payer, PhD - Florida State University College of Medicine
William F. Perrotti - Mohawk Valley Community College
Elizabeth K. Perryman, PhD - California Polytechnical State University
Jay D. Potts, PhD - University of South Carolina
William F. Powers, II - United Learning
Chantal M. Prewitt, PhD - University of Cincinnati
Judy Provo-Klimk, DVM - Kansas State University
David G. Rabuck, PhD - Skokie, Illinois
Balaji Ramsawamy, MBBS - Belgaum, India
Alan Rawls, PhD - Arizona State University
Byron E. Russell, PhD, PT - Eastern Washington University
Elsuke Sakuma, MD, PhD - Nagoya City University
Bill Saltarelli, PhD - Central Michigan University
Theodore G. Sarphie, PhD - Louisiana State University Health Sciences Ctr
Dee Silverthorn, PhD - University of Texas at Austin
Janet D. Smith, PhD - MCP Hahnemann School of Medicine
Robert E. Stephens, PhD - The University of Health Sciences
Leo B. Stouder, DC - Broward Community College
Janis G. Thompson, DVM - Lorain County Community College
Eric J. Toran, PhD - Florida A&M University
Dobrila T. Tosovska Lazarova, MD, PhD - Skopje, Macedonia
Bharat D. Trivedi, MBBS - Smt. NHL Municipal Medical College
Kursad Turkson, PhD - Ottawa Health Research Institute
Manjunatha Upadyaya - Karnataka, India
Trudy VanHouten, PhD - Harvard Medical School
Horatiu Varlam - University of Medicine and Pharmacy
Mark L. Weiss, PhD - Kansas State University
Michael J. Welsh, PhD - University of Michigan
John D. West, PhD - University of Edinburgh
Jean M. Wilson, PhD - University of Arizona
Jorg Wiltng - Universitat Freiburg
Michael S. Yuan, DDS, PhD - Columbia University
Robert W. Zajdel, PhD - SUNY Upstate Medical University
Isis E. Zaki, MD, PhD - Cleveland Chiropractic College
David Zarnowski - Florida Atlantic University
Jilin Zhou, MD - Columbia University

Total 100 (4/11/2002)
New AAA Student Members
Elected on April 22, 2002

Leigh Ann H. Austin - University of South Florida
Eustratios Babanis - Albert Einstein College of Medicine
Victoria L.T. Ballard - Cornell University Medical College
Tammam Beydoun - Aliso Viejo, California
Luke R. Burnett - Wake Forest University School of Medicine
David M. Chaky - Columbus, Ohio
Theresa Chang - University of Alabama at Birmingham
Elizabeth S. Chesterman - Medical University of South Carolina
Lance S. Clark - Anchorage, Alaska
Catherine R. Clark - Durham, North Carolina
Rachelle C. Cruz - Olympia Fields, Illinois
Aladino De Ranieri - Chicago, Illinois
Tracey A. DeLucia - Loyola University of Chicago
Yiyu Fang - Baylor College of Dentistry
Thomas C. Flanagan - National University of Ireland, Galway
Tamy C. Frank, DVM - Texas A&M University
Alicia M. Frank - Bethel College
Mark R. Garbrecht - University of Iowa College of Medicine
Karimi J. Gituma - University of California, Irvine
Ethan N. Goldstein - Wayne State University School of Medicine
Alejandro A. Gorustovich, DDS - University of Buenos Aires
Rebecca A. Gray - University Louisville
Jamil A. Haque - Medical College of Wisconsin
William Harcourt-Smith - University Col London
Ali H. Hassan - University Illinois At Chicago
Angela R. Hess - University of Iowa
Sally A. Horne - University of California San Francisco
Aletta P. Houwink - Mayo Clinic
Bruce V. Howe, PhD - Bishop McGuinness High School
Haruka Ito - Tokyo, Japan
Everett G. Johnson - Jackson, Missouri
Kimberly S. Latacha - University of Nebraska Medical Ctr
David K. Lawrence - Case Western Reserve University
Steven Q. Le - University of California, Irvine
Michelle Lee - Hong Kong University of Science & Technology
Alexandra F. Lerch-Gaggl, PhD - Medical College of Wisconsin
Lina Li, MD - University of Alabama at Birmingham
N.K. Manoj - National Brain Research Centre
Edith Margaryan - University of Hawaii at Manoa
Benjamin L. Martin - University of California, Berkeley
Robert C. McCarthy - George Washington University
Mandy M. Meyer - University of North Dakota
Ricardo A. Moreno, PhD - Medical University of South Carolina
Lilliana I. Moreno - Puerto Real, Puerto Rico
David A. Morton - University of Utah School of Medicine
Takuji Naruse, MD, PhD - Loma Linda University
Treacy M. Navdulli - Dekalb, Illinois
Liza A. Nyantekyi - University of California, Irvine
Joseph J. Ocel - Mayo Clinic
Manal A. Othman - University of Louisville
DECEASED MEMBERS

The American Association of Anatomists has suffered great loss through the deaths of the following members:

Maurice Bernstein, PhD (Deceased September 2, 2001)
Victor J. Ferrans, MD, PhD (Deceased October 26, 2001)
Bill Charles Garouette, MD, PhD
Sasha Malamed, PhD (Deceased September 19, 2001)
Daniel C. Pease, PhD (Deceased May 11, 2001)
Robert F. Spencer, PhD (Deceased March 24, 2001)
Russell Thomas Woodburne, PhD (Deceased April 11, 2001)
American Association of Anatomists

PRESIDENTS

1888-1889 Joseph Leidy
1891-1894 Harrison Allen
1894-1895 Thomas Dwight
1895-1897 Frank Baker
1897-1899 Burt Green Wilder
1899-1903 George S. Huntington
1903-1905 Charles S. Minot
1905-1908 Franklin P. Mall
1908-1909 James P. McMurrich
1909-1911 George A. Piersol
1911-1913 Ross G. Harrison
1913-1915 Gottthelf C. Huber
1915-1917 Henry H. Donaldson
1917-1920 Robert R. Bensley
1920-1921 C. F. W. McLure
1921-1924 Clarence M. Jackson
1924-1926 Florence R. Sabin
1926-1928 George L. Streeter
1928-1930 Charles R. Stockard
1930-1932 Herbert M. Evans
1932-1934 Geore E. Coghill
1934-1936 Warren Harmon Lewis
1936-1938 Frederic T. Lewis
1938-1940 S. Walter Ranson
1940-1942 Philip E. Smith
1942-1943 Edgar Allen
1943-1946 J. Parsons Schaeffer
1946-1948 George W. Corner
1948-1950 George W. Bartelmez
1950-1952 Sam L. Clark
1952-1954 Leslie B. Arey
1954-1956 Samuel R. Detwiler
1956-1957 Edward A. Boyden
1957-1958 Normand Louis Hoerr
1957-1958 Barry J. Anson
1958-1959 Davenport Hooker
1959-1960 H. Stanley Bennett
1960-1961 Edward W. Wempsey
1961-1962 Harold Cummins
1962-1963 Charles P. Leblond
1963-1964 Horace W. Magon
1964-1965 Charles Mayo Goss
1965-1966 Don Wayne Fawcett
1966-1967 Donald Duncan
1967-1968 Karl E. Mason
1968-1969 Richard J. Blundau
1970-1971 Raymond Carl Truex
1971-1972 David Bodian
1973-1974 John W. Everett
1974-1975 Russel T. Woodburne
1975-1976 John C. Finerty
1976-1977 Carmine D. Clemente
1977-1978 Newton B. Everett
1978-1979 Berta V. Scharrer
1979-1980 Daniel C. Pease
1980-1981 Sanford L. Palay
1981-1982 Elizabeth D. Hay
1982-1983 John E. Pauly
1983-1984 Allen C. Enders
1984-1985 A. Kent Christensen
1985-1986 John V. Basmajian
1986-1987 Douglas E. Kelly
1987-1988 Henry J. Ralston, III
1988-1989 Roger R. Markwald
1989-1990 Jerome Sutin
1990-1991 Karen Hitchcock
1992-1993 Alan Peters
1993-1994 Donald A. Fischman
1994-1995 Charles E. Slonecker
1995-1996 Michael D. Gershon
1996-1997 Gary C. Schoenewolf
1997-1999 Bruce M. Carlson
1999-2001 Robert D. Yates
2001-2003 John Fallon

HONORARY MEMBERS

Rudolf Balling, Ph.D. (Institute for Mammalian Genetics)
Rene Couteaux, M.D., DSc (University of Paris)
Eduardo D.P. DeRobertis, Ph.D. (University of Buenos Aires)
W.G. Forssmann, Ph.D. (Lower Saxony Institute for Peptide Research)
James L. Gowans, MBBS, Dphil (Medical Research Council)
Nicoile Le Douarin (Institute de Embryologie du CNRS et du College de France)
Margaret R. Matthews (Oxford University))
Junnosuke Nakai, M.D. (Hamamatsu University School of Medicine)
Kahee Niimi, M.D. (Okayama University)
Kazuo Ogawa, M.D., Ph.D. (Kyoto University)
Dietrich Wilhelm Scheuermann, M.D. (University of Antwerp)
T.H. Schiebler, Ph.D. (Institut der Universitat)
David Brynmor Thomas, Ph.D. (Parkgate)
Philip V. Tobias (University of the Witwatersrand Medical School)
Pieter Van Duijia, Ph.D. (Rijksuniversiteit Leiden)
Eichi Yamada, Ph.D. (Fukuoka University)
Joseph M. Yoffey, DSc, M.D., FRCS (The Hebrew University)
Mircea Ifrim (University of Oradea)
Liberato John Alphonse Di Dio (UNISA- Universidade De Santo Amaro)
Marumichi Seguchi (Kochi Medical School)
### BASMAJIAN/WILLIAMS AND WILKINS AWARD RECIPIENTS

<table>
<thead>
<tr>
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<td>Jeffrey T. Laitman</td>
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<td>Anna A. Lerant</td>
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### R. R. BENSLEY AWARD RECIPIENTS

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<td>Joseph P. Bidwell</td>
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<td>Peter Arvan</td>
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### HENRY GRAY LAUREATES

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<td>Pasko Rakic</td>
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<td>Henry J. (Pete) Ralston</td>
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<td>Peter Satir</td>
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<td>George Pappas</td>
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### CHARLES JUDSON HERRICK AWARD RECIPIENTS

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<tr>
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<td>Karl H. Pfenniger</td>
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<td>Ann M. Graybiel</td>
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<td>Mahendra Rao</td>
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<td>Cori Bargman</td>
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<td>Jeffrey C. Magee</td>
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<td>2002</td>
<td>W. Martin Usrey</td>
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<td>2003</td>
<td>Lique Coolen</td>
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</table>
A.J. LADMAN EXEMPLARY SERVICE AWARD RECIPIENTS

1999 George E. Erikson  
2000 William P. Jollie  
2001 David G. Whitlock  
2002 Charles "Chuck" Slonecker  
2003 Robert D. Yates

H.W. MOSSMAN DEVELOPMENTAL BIOLOGIST AWARD RECIPIENTS

2002 Lee Ann Niswander  
2002 Dider Y.R. Stainier

2003 Marnie Halpern

LANGMAN GRADUATE STUDENT PLATFORM PRESENTATION AWARD RECIPIENTS

(Formerly the Jan Langman Award)

1985 Gregory K. Reid  
1986 Emmett Cunningham  
1987 C. R. Vanderburg  
1988 Gregory Baetge  
1989 D. E. Mapstone  
1990 Howard Pomeranz  
1991 Neely Ivgy-May

1992 K. T. Vaughan  
1993 W.H. Borman  
1994 None  
1995 D. Paquette  
1996 H. Perlman  
1997 Mojgan Parizi  
1998 Elizabeth Norton

1999 Gregory Basura  
2000 Lisa Norman  
2001 Lara Hutson  
2002 Barbara A. Puder  
2003 Le A. Trinh

PRESLEY-ZEISS POSTDOCTORAL FELLOW PLATFORM PRESENTATION AWARD RECIPIENTS

(formerly the Presley-Carl Zeiss Young Investigator Award)

1999 Wei Zheng  
2000 Julian A. Guttman

2001 Dorry L. Segev  
2002 Julian A. Guttman

2003 Kevin Niswender

GRADUATE STUDENT POSTER PRESENTATION AWARD RECIPIENTS

2002 Christopher Iannotti  
2003 Anthony Person

POSTDOCTORAL FELLOW POSTER PRESENTATION AWARD RECIPIENTS

2002 Ann-Marie Broome

2003 Chi Zhang

DISSERTATION AWARD RECIPIENTS

1985 Marie H. Kosco-Vibois  
1987 Gary Wessell  
1988 Charles R. Buck  
1989 Kelly McMasters  
1990 D. I. Lugo

1991 J. K. Marchant  
1992 Howard D. Pomeranz  
1993 P. A. Kruk  
1994 None  
1995 W. H. Borman

1996 H. Perlman  
1996 Richard Fay and K. Lee  
1997 Julia Ann Sullivan  
1998 Derek Molliver  
1999 Kimberly Albrecht Schlun

GENETECH STUDENT RESEARCH AWARD RECIPIENTS

1998 Mary Janatpour  
1999 Not presented

2000 Isobel A. Scarisbrick

2001 Dacia I. Hunton

2002 Eduard Dedkov

2003 Stephen Moorman

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BY-LAWS
OF
AMERICAN ASSOCIATION OF ANATOMISTS, INC.

PREAMBLE

It is hereby declared that the By-Laws of the American Association of Anatomists, Inc., contained herein can be referred to by the members as the Constitution of the American Association of Anatomists, Inc. The name of the Association shall be the “American Association of Anatomists, Inc.”, hereinafter called “the Association”. The purpose of the Association shall be the advancement of the anatomical sciences.

ARTICLE I

OFFICES

The New York office of the Association shall be located at such place in the City of New York, State of New York as the Board of Directors determine. The Association may also have other offices at such other places both within and without the State of New York as the Board of Directors may from time to time determine or as the business of the Association may require.

ARTICLE II

MEMBERS

Section 1. Membership. Membership shall be open to all persons interested in the purposes of the Association. The members and the Board of Directors may establish such other criteria for membership, including a schedule of dues, as they deem appropriate.

Section 2. Classes of Members. The Association shall include regular members, regular members emeritus, student or postdoctoral-fellow members, honorary members, and sustaining associate members. Only dues paying members can hold office in the Association; however, student and post-doctoral fellow members are eligible only for seats on the board of directors. Only regular members, regular members emeritus, student or postdoctoral-fellow members and honorary members may vote. Members who have not paid their dues for the current calendar year will be classified as inactive and will not receive mailings to the membership and cannot vote.

(a) Regular Members. Candidates for regular membership must be persons engaged in the teaching or investigation of anatomical or cognate sciences, with an advanced degree or equivalent experience.

(b) Regular Members Emeritus. A member who has paid dues for the previous ten (10) years and who has attained retirement status at his/her institution, may inform the Secretary-Treasurer of that fact in writing, and will be awarded the status of regular member emeritus and will have the same privileges as a regular member except he/she will not receive the journals gratis.

(c) Student or Postdoctoral-Fellow Members. To retain student or postdoctoral-fellow status, such member must obtain his/her advisor’s signature when paying dues each year. Such members in good standing may submit abstracts for presentation at the Annual Meeting of the Association and will receive all mailings sent to regular members as well as special mailings.
(d) **Honorary Members.** Honorary members who have distinguished themselves in anatomical or cognate research or in supporting the mission of the Association may be elected by the membership.

(e) **Sustaining Associate Members.** Any corporation or institution interested in anatomical sciences, and in affording support to the Association, may become a Sustaining Associate Member upon invitation of the Board of Directors. The representatives of Sustaining Associate Members, unless they also qualify as members, shall not be entitled to vote, hold office or endorse candidates for membership in the Association.

**Section 3. Application for Membership.**

(a) **Regular Membership.** The candidate must 1) have a clearly demonstrated interest in the anatomical or cognate sciences based on his/her professional activities or, 2) have one (1) substantive paper in the anatomical or cognate sciences as first author or, 3) have been chiefly responsible for at least one (1) of several collaborative papers on anatomical or cognate subjects. Such papers must have appeared in print before the meeting at which his/her name is to be considered. Those candidates approved by the Board of Directors must first be affirmed by a two-thirds vote of the members present in person or by proxy at the Annual Business Meeting of the Association.

(b) **Honorary Membership.** Nominations are presented to the Board of Directors. Approval must be unanimous, and nominations with reasons for recommendation shall be presented to the members present at the Annual Business Meeting of the Association, a three-fourths vote of members present in person or by proxy and voting being necessary for election.

(c) **Student or Postdoctoral-Fellow Membership.** Student or postdoctoral fellows may be nominated for membership in the Association by a regular member who testifies in writing that the nominee is actively engaged in research on anatomical or related topics, or shows other evidence of strong commitment to a professional career in anatomy or cognate sciences. The candidate for such membership must be endorsed by his/her advisor or sponsor, who may be counted as the nominator if he/she is a regular member.

**Section 4. Meetings and Voting.**

(a) **Meetings.** The Annual Meeting of the Association’s members shall be held at the place, time, and date, as may be fixed by the Board of Directors, or, if not so fixed, as may be determined by the President. Special meetings shall be held whenever called by the Board of Directors, the President or ten (10) percent of the membership. Rulings shall be in accordance with Roberts Rules of Order.

(b) **Notice of Membership Meetings.** Written notice of the place, date, and hour of any meeting of the members shall be given to each member entitled to vote at such meeting not less than ten (10) days nor more than sixty (60) days before the date of the meeting. Such notice shall be deemed to have been given when it is deposited in the United States mail. Notice may be by facsimile transmission, telegraph, telex, courier service, electronic mail or hand delivery. Notice of special meetings shall indicate the purpose for which they are called. Notice of meetings need not be given to a member who attends without protesting lack of notice before or at the meeting’s commencement.

(c) **Quorum. Adjournment of Meetings.** At all meetings of the members, including the Annual Business Meeting of the Association, at least one-hundred (100) members or one-tenth of the membership, whichever is lesser, shall be present in person or by proxy to constitute a quorum for the transaction of business. At any adjourned meeting for which a quorum was present at the original
meeting, any business may be transacted which might have been transacted at the original meeting. If the adjournment is for more that thirty days, notice of the adjourned meeting shall be given.

(d) **Voting.** At any meeting of the members, each voting member present in person or by proxy who has paid current dues, if any, shall be entitled to one vote. Upon demand by any member, any vote for directors or any question before the meeting shall be by ballot.

(e) **Proxies.** Voting by proxy shall be permitted.

(f) **Action by the Members.** Except as otherwise provided by law or by these By-Laws, any corporate action authorized by a majority of the votes cast at a meeting of the members shall be an act of the members, provided that the favorable votes be at least equal to the quorum of the members as defined in subsection (c) of this Section 4 (hereinafter termed “Action by the Members”).

Section 5. **Dues and Membership.**

(a) **Dues.** The dues of the Association shall be determined by the Board of Directors and ratified at each Annual Meeting of the Association. Dues are payable on or before January 1 of a calendar year. Individuals who have not paid by January 1, may be placed in an inactive status. The Association shall establish a grace period during which a member who is in arrears on dues shall be put on “inactive status” and may continue to receive certain benefits. At the end of this grace period, the member will be put on “inactive status” unless the dues have been waived under other provisions of these By-Laws. Payment of dues at any time during the calendar year will reinstate the member to active status who will then receive all mailings for the calendar year. Honorary members do not pay dues; however, they have the same privileges as regular members. A regular member emeritus, while retired, will no longer be required to pay dues but must pay to receive the journals.

(b) **Term of Membership.** Membership in the Association shall be for the calendar year for which the membership dues have been paid.

(c) **Renewal of Regular and Student or Postdoctoral-Fellow Membership.** Such membership in the Association may be renewed annually by the payment when due of the appropriate amount of membership dues.

**ARTICLE III**

**BOARD OF DIRECTORS**

Section 1. **Powers and Number.**

(a) **Powers.** The Board of Directors shall have general power to control and manage the affairs and property of the Association in accordance with the purposes and limitations set forth in the Certificate of Incorporation. The Board of Directors shall consist of fourteen (14) individual voting members elected by the membership of the Association, six (6) of whom are officers, and eight (8) councillors elected as provided hereafter in Article III, Section 2(b), two of whom shall be student or postdoctoral-fellow members.

(b) **Number.** The number of directors may be fixed from time to time by resolution of the Board of Directors, but in no event may there be less than three (3) directors, provided that any such resolution shall require a majority vote of the entire Board of Directors.
Section 2. Election and Term.

(a) Members and Program Chairs as Directors. The fourteen (14) individual directors shall be elected by Action by the Members and each director shall hold office until his/her term ends at the Annual Meeting of the Association or at the director's earlier death, resignation or removal.

(b) Councilors as Directors. Notwithstanding the foregoing, two (2) of the six (6) non-student/postdoctoral councilors who shall serve on the Board of Directors shall be elected annually to serve three (3) Terms (as defined in Article IV, Section 1 below), thereby creating three (3) classes of councilor-directors. One (1) of the two (2) student or postdoctoral-fellow councilors shall be elected annually to serve two (2) terms (as defined in Article IV Section 1 below). Each director so elected shall serve until the expiration of such director's respective term or until the election or appointment of such director's successor, or until such director's earlier death, resignation or removal.

Section 3. Vacancies and Newly Created Directorships. Newly created directorships resulting from an increase in the authorized number of directors and vacancies occurring in the Board of Directors for any cause, including any such vacancy occurring by reason of the removal of any director from office with or without cause, may be filled by a candidate nominated by the President of the Association and ratified by the vote of a majority of the directors then in office. Each director so elected shall serve until the end of the next Annual Meeting of the Association or until the election or appointment of such director's successor, or until such director's earlier death, resignation, or removal.

Section 4. Removal. A director may be removed with or without cause by Action by the Members. Provided there is a quorum of not less than a majority of all directors present, a director may be removed for cause by the vote of two-thirds of the Board of Directors present at the meeting at which such action is taken.

Section 5. Resignations. Any director may resign at any time by giving written notice to the President and Board of Directors. Such resignation shall take effect at the time specified therein or, if no time is specified, at the time of acceptance thereof as determined by the President or Board of Directors.

Section 6. Meetings. The Board of Directors will meet at the Annual Meeting of the Association and at least one (1) additional time each year, approximately six (6) months apart and at such time and place as may be fixed by the Board of Directors or as may be specified in a notice of meeting. The Board of Directors may meet at other times and places at the discretion of the President or a quorum of the Board, either in person or otherwise, including by conference telephone in accordance with Article III, Section 15.

Section 7. Notice of Meetings. Notice need not be given of regular meetings of the Board if the time and place of such meetings are fixed by the Board of Directors. Notice of each special meeting of the Board of Directors must be given to each director not less than two (2) weeks before such meeting. Notice may be in writing and sent by mail, addressed to such director at his or her address as it appears on the records of the Association. Such notice shall be deemed to have been given when it is deposited in the United States mail. Notice may also be by telephone or sent by facsimile transmission, telegraph, telex, courier service, electronic mail or hand delivery. Notice of a special meeting need not be given to a director who submits a signed waiver of notice before or at the meeting's commencement.

Section 8. Place and Time of Meetings. Meetings of the Board of Directors shall be held at the location, within or without the State of New York, which is fixed by the Board of Directors or, in the case of a special meeting, by the person or persons calling the special meeting.
Section 9. **Quorum.** At each meeting of the Board ten (10) directors shall constitute a quorum for the transaction of business, so long as such number constitutes at least one-third of the directors constituting the entire Board of Directors. If a quorum is not present at any meeting of the Board of Directors, a majority of the directors present may adjourn the meeting without notice other than an announcement at the meeting, until such a quorum is present.

Section 10. **Manner of Acting.** The vote of a majority of the directors present at any meeting at which there is a quorum shall be the act of the Board of Directors.

Section 11. **Conflicts Policy.** Any potential conflict of interest which could result in a direct or indirect financial or personal benefit to a Director, officer or staff member must be disclosed in good faith or known to the Board of Directors or committee authorizing a contract or other transaction. The interested individual may participate in the information-gathering stage of the Board of Directors' or committee's discussion, but shall retire from the room in which the Board of Directors or a committee thereof is meeting and shall not participate in the final deliberation or decision regarding such contract or other transaction. Such interested individual may not vote on such contract or other transaction.

Interested Directors may be counted in determining the presence of a quorum at the meeting of the Board or of a committee which authorizes such contracts or other transactions.

The minutes of the meeting of the Board of Directors or committee thereof shall reflect (a) that the conflict of interest was disclosed, (b) that the interested Director, officer or staff member was not present during the final discussion or vote of the Board of Directors or committee thereof and (c) that the interested individual did not vote.

All questions as to whether a conflict of interest exists shall be resolved by a vote of the Board of Directors in which the interested individual may not vote.

A conflict of interest disclosure statement shall be furnished annually to the Board by each Director, officer and staff member. The disclosure statements shall be reviewed annually by the Board of Directors or by a committee thereof.

In connection with all actions taken by the Board of Directors with respect to any contract or transaction between the Association and one or more of its directors or officers, or between the Association and any other corporation, firm, association, or other entity in which one or more of the directors or officers of the Association is a director or officer or has a substantial financial interest, affiliation, or other significant relationship, each such interested director or officer of the Association shall:

(a) disclose to the Board of Directors the material facts as to such director's or officer's interest in such contract or transaction and as to any such common directorships, offices, or significant financial interest, affiliation, or other significant relationship, which disclosure shall be duly recorded in the minutes or resolutions relating to such actions, and

(b) abstain from voting on any such contract or transaction.

In determining whether to approve such contract or transaction, disinterested directors shall take into account the restrictions regarding either self-dealing under section 4941 of the Internal Revenue Code of 1986, as amended (the "Code"), in the case of an organization classified as a Private Foundation, or excess benefit transactions under section 4958 of the Code in the case of an organization classified as a Public Charity.
Section 12. **Organization.** At each meeting of the Board of Directors, the President, or, in the President's absence, the President-Elect or in the absence of both a person chosen by the directors present, shall act as president. The Secretary-Treasurer shall act as secretary of each meeting of the Board of Directors. In the absence of the Secretary-Treasurer, the president of the meeting shall appoint a secretary of the meeting.

Section 13. **Committees of Directors.**

The Board of Directors may, by resolution adopted by a majority of the entire Board, designate one or more Standing Committees, to have and exercise such power and authority as the Board of Directors shall specify and as permitted by law. Each Standing Committee shall be appointed by the President, approved by the Board of Directors and ratified by Action of the Members.

The Standing Committees include:

(a) **Executive Committee.** The officers of the Association shall comprise an Executive Committee of the Board of Directors and shall have the authority to take actions for the Board of Directors between meetings. Four (4) officers shall constitute a quorum of the Executive Committee. Such actions by the Executive Committee are to be reported at the next meeting of the Board of Directors. The Executive Committee of the Board of Directors may meet separately from the Board of Directors either in person or otherwise, including by conference telephone in accordance with Article III, Section 15 hereof.

(b) **Finance Committee.** The Finance Committee shall consist of seven (7) people: the Secretary-Treasurer, who shall serve as chair, the President, the Past President, the President-Elect, the chair of the Journal Trust Fund Committee, one (1) program chair, and the Executive Director, who shall serve as a non-voting member. The Committee shall be responsible for oversight of the financial structure of the Association and shall make financial policy recommendations to the Board of Directors. The Committee's activities shall include review of financial management policies, coordinating the preparation of a budget, and the audit, development, and investment policy.

(c) **Journal Trust Fund and Investment Committee**

**Ad Hoc Committees of the Association.** When deemed necessary, the President, with the consent of the Board of Directors, may establish Ad Hoc committees of the Association to serve for fixed periods of time. Ad Hoc committees shall have only the powers specifically delegated to them by the Board.

**Operation of Committees.** At each meeting of a committee, a majority of the voting members of the committee shall be present to constitute a quorum. The vote of a majority of the members of a committee present at any meeting at which there is a quorum shall be the act of the committee.

**Representatives and Delegates to Affiliated Groups.** The Board of Directors shall appoint representatives or delegates to external bodies with which the Association affiliates. The Board of Directors shall have the power to establish and disestablish relationships with various scientific and governmental groups.

Section 14. **Meeting by Conference Telephone.** Any one or more members of the Board of Directors or any committee thereof may participate in a meeting of the Board of Directors or such committee by means of a conference telephone or similar communications equipment allowing all persons participating in the meeting to speak and hear each other at the same time. Participation by such means shall constitute presence in person at a meeting.
Section 15. **Action Without a Meeting.** Any action required or permitted to be taken by the Board of Directors or any committee thereof may be taken without a meeting if all members of the Board of Directors or such committee consent in writing to the adoption of a resolution authorizing the action. The resolution and the written consents thereto by the members of the Board of Directors or such committee shall be filed with the minutes of the proceedings of the Board of Directors or such committee.

Section 16. **Scientific Meetings.** The time and place of the Association’s Scientific Meetings shall be determined by the Board of Directors.

Section 17. **Compensation of Directors.** The Association shall not pay any compensation to directors for services rendered to the Association, except that directors may be reimbursed for reasonable expenses incurred in the performance of their duties to the Association.

**ARTICLE IV**

**OFFICERS AND COUNCILORS**

Section 1. **Officers, Term of Office and Qualifications.** The officers of the Association shall consist of a President, a Secretary-Treasurer, two (2) Program Chairs, a President-Elect, and a President-Emeritus. The period of time from the end of the Annual Meeting of the Association until the end of the next Annual Meeting of the Association is hereby defined as a “Term.” The President shall serve on the Board of Directors for two (2) Terms as President-Elect and shall continue after his/her two-term active Presidency as a member of the Board of Directors for two (2) Terms with the title President-Emeritus. This maintains a degree of leadership continuity for the Association. If the President becomes incapacitated, the President-Elect shall complete the President’s term and then serve his/her own term. If the President-Elect becomes incapacitated his/her successor shall be elected at the next Annual Meeting. The Secretary-Treasurer and Program Chairs shall serve on the Board of Directors four (4) Terms and can run unopposed for an additional four (4) terms with the approval of the Board of Directors. The Program Chairs serve staggered terms. All officers shall be subject to the supervision and direction of the Board of Directors.

Section 2. **Election.**

(a) **Nominating Committee.** At each Annual Meeting preceding an election, the President for the coming year—in consultation with the current President or President-Elect—shall appoint a Nominating Committee of five (5) members at least one (1) of whom shall be a past member of the Board of Directors. The committee shall be approved by the Board of Directors and ratified by Action of the Members at the Annual Business meeting of the Association. This committee shall make its nominations to the Secretary-Treasurer for members of the Board of Directors who are to be elected to fill expiring terms, to serve beginning at the end of the next Annual Meeting of the Association, not less than four (4) months before the next Annual Meeting of the Association. The Nominating Committee shall submit two (2) names for such vacancy, except that a Program Co-chair may run unopposed. So far as possible, the Nominating Committee shall take into consideration the geographical distribution of the members of the Association when making their recommendations for membership on the Board of Directors. Each nominee must have agreed to serve if elected.

(b) **Election Procedures.** A printed ballot bearing all names submitted by the Nominating Committee will be prepared with space provided for write-in candidates for each elected position. This ballot is to be mailed to all members at least three (3) months prior to the next Annual Meeting of the Association. Each member wishing to vote shall return the marked ballot to the National Office.
postmarked not later than one (1) month prior to the Annual Meeting of the Association. The ballots will be tabulated and certified.

Any candidate receiving a plurality of votes shall be elected at the Annual Business Meeting of the Association. In case of a tie for any elected position, the two (2) candidates with the most votes shall be voted on at the Annual Business Meeting of the Association; the one receiving the greater number of votes shall be declared elected.

Section 3. Removal. Any officer elected by the members or appointed by the Board of Directors to fill a vacancy may be removed by the vote of a majority of the Board of Directors, either with or without cause, at any meeting of the Board at which a majority of the directors is present.

Section 4. Resignations. Any officer may resign at any time by giving written notice to the President.

Section 5. Vacancies. A vacancy in any office arising from any cause may be filled for the unexpired portion of the term in the manner prescribed in Article III, Section 3 of these By-Laws, substituting "officer" for "director".

Section 6. Duties of Officers and Councillors. An overall goal of all officers and councillors is to promote the Association and to encourage membership and participation in the Association's activities.

Section 7. President. The President of the Association is a voting member of the Board of Directors. He/she is the principal spokesperson for the Association and represents the Association generally to Congress, the Executive Branch, the Media and to the lay public. The President chairs the Board of Directors Meetings, the Annual Business Meeting of the Association and the Past-President's Breakfast. The President also has administrative oversight of any Scientific Meeting of the Association and supervises the National Office and the Executive Director. An additional responsibility of the President is the making of appointments to Association committees (other than the Board of Directors), prior to the second year of service as President, in consultation with the President Elect; to the Federation of American Societies of Experimental Biology (FASEB) Board of Directors, and to other FASEB committees. He/she serves on the Finance Committee. The President is the responsible officer of the Association. In the event of death, incapacity or resignation of the President, the President-Elect will assume the office and responsibilities of the President.

Section 8. President-Emeritus. The President-Emeritus of the Association is a voting member of the Board of Directors. The President-Emeritus will assume any special responsibility delegated to him/her by the President.

Section 9. President-Elect. The President-Elect of the Association is a voting member of the Board of Directors. The President-Elect serves on the Finance Committee. It is the responsibility of the President-Elect to educate him/herself in the relationship of the Association to FASEB in preparation for assuming the office of President. An additional responsibility of the President Elect, in consultation with the current President, is the making of appointments to Association committees prior to the first year of service as President.

Section 10. Secretary-Treasurer. The Secretary Treasurer of the Association is ultimately responsible for: Financial oversight of the operational budget, Journal Trust Fund, 2nd Century Fund, and Bensley Trust Fund; Chairing of the Finance Committee; serving on FASEB Finance Committee; short and long range planning and development and presentation of Annual Budget to Executive Committee and members at the Annual Business Meeting; contracts regarding journals/publications; policy for payments (signature authority and dollar limits) for the Executive Director consistent with the budgets developed and approved by the Finance Committee and Board of Directors; policy for financial reports from FASEB.
and National Office; minutes and Association’s archive; major contact for academic inquiries regarding AAA; liaison with other professional groups (e.g., American Association of Clinical Anatomists, Cajal Club, Association of Anatomy, Cell Biology and Neurobiology Chairpersons, and international societies); advocacy for AAA and discipline in teaching, research, and public service; being a consultant to journals/editorial boards; other duties as determined by the Board of Directors.

Section 11. **Program Chairs.** The Program Chairs of the Association are responsible for the scientific aspects of the Association’s Scientific Meetings and oversight for the meeting budget. Thus, all decisions regarding the Call for Abstracts, topic categories, symposia, minisymposia, poster sessions, and programming and sorting of the Association’s scientific abstracts and other scientific presentations, ultimately reside within the authority of the Program Chairs. The Program Chairs make decisions regarding the Annual Meeting in consultation with the President and the Executive Director.

Section 12. **Councilors.** Councilors are responsible for assuming any assignments from the President.

Section 13. **Replacement of Officers.** In the event of death, incapacity, or resignation of officers other than the president, the Board of Directors will appoint a replacement to serve until an election is held.

**ARTICLE V**

**STAFF AND NATIONAL OFFICE**

Section 1. **National Office.** The Association shall have a National Office housing an Executive Director and staff. The National Office shall be concerned with the day to day activities of the Association.

Section 2. **Executive Director.** The Executive Director of the Association shall be a salaried employee hired by the Board of Directors and is responsible for: Maintenance of National Office, including development and management of its budget and staff; oversight of day-to-day FASEB accounting function for AAA, including management of accounts payable and accounts receivable at National Office with timely reports to the Secretary-Treasurer, as requested; maintaining database with timely updates to the Secretary-Treasurer; oversight of Association’s programs, including but not limited to membership, communications, public affairs, meetings, marketing, elections and awards; serving ex officio on Standing Committees; assisting Secretary-Treasurer in AAA budget development; assisting Secretary-Treasurer with preparation of minutes of meetings and maintenance of Association’s archive; other duties as determined by the Board of Directors.

Section 3. **Additional Personnel.** The Executive Director may employ such other staff personnel with such titles as the Executive Director shall determine according to available administrative funds and needs of the Association.

Section 4. **Compensation.** The Board of Directors shall establish the rate of compensation and benefits for the Executive Director of the Association.

**ARTICLE VI**

**EXECUTION OF INSTRUMENTS**

Section 1. **Contracts and Instruments.** The Board of Directors, subject to the provisions of Article III, Section 1, may authorize any officer or officers or agent or agents of the Association to enter into any contract or to execute and deliver any instrument in the name of and on behalf of the Association. Such authority may be general or may be confined to specific instances.
Section 2. **Deposits.** Funds of the Association may be deposited from time to time to the credit of the Association with the depositories that are selected by the Secretary-Treasurer and approved by the Board of Directors.

Section 3. **Orders for the Payment of Money and Endorsements for Deposit.**

(a) All checks, drafts or other orders for the payment of money, notes, or acceptances issued in the name of the Association shall be signed by the officer or officers or agent or agents of the Association authorized, and in the manner determined by resolution of the Board of Directors.

(b) Endorsements for deposit to the credit of the Association in any of its authorized depositories may be made, without countersignature, by any officer of the Association or may be made by hand-stamped impression in the name of the Association, unless otherwise provided by resolution of the Board of Directors.

Section 4. **Sale or Transfer of Securities.** Stock certificates, notes, bonds, or other securities held or owned by the Association may be sold, transferred, or otherwise disposed of when endorsed for transfer by the officer or officers or agent or agents of the Association authorized, and in the manner determined by resolution of the Board of Directors.

Section 5. **Bonding.** All officers and agents having custody or control of any funds of the Association shall be bonded for an amount fixed by the Board of Directors.

**ARTICLE VII**

**JOURNALS OF THE ASSOCIATION AND THE ANATOMICAL JOURNAL TRUST FUND**

Section 1. The Secretary-Treasurer shall hold, on behalf of the Association, the assets of the Anatomical Journal Trust Fund. It is the intention to hold the corpus of this Fund intact as a safeguard against possible emergencies. The income shall be employed with due consideration given to the Association's status as an organization classified under section 501(c)(3) of the Code.

Section 2. The President shall nominate, for ratification by the Board of Directors and members of the Association, a Journal Trust Fund and Investment Committee, consisting of three (3) members, with terms of appointment so arranged that one (1) member shall retire at each Annual Meeting of the Association, subject to reappointment if the membership approves. The Secretary-Treasurer shall serve as an ex-officio member of this Committee.

Section 3. The Board of Directors shall appoint Editors of the Journals owned or sponsored by the Association, in consultation with the publishers of the Journals. The editors shall report to the Board of Directors.

**ARTICLE VIII**

**INDEMNIFICATION**

To the fullest extent permitted by the laws of the State of New York:

Section 1. The Association shall indemnify any person (and his/her heirs, executors, or administrators) who was or is a party or is threatened to be made a party to any threatened, pending, or completed action,
suit, or proceeding (brought in the right of the Association or otherwise), whether civil, criminal, administrative, or investigative, and whether formal or informal, including appeals, by reason of the fact that he is or was a director, officer, employee, or agent of the Association, or is or was serving at the request of the Association as a director, officer, partner, trustee, employee, or agent of another corporation, partnership, joint venture, trust, or other enterprise, for and against all expenses (including attorneys' fees), judgments, fines, and amounts paid in settlement actually and reasonably incurred by such person or such heirs, executors, or administrators in connection with such action, suit, or proceeding, including appeals.

Section 2. The Association shall pay expenses as incurred in defending any action, suit, or proceeding described in subsection (1) of this Article in advance of the final disposition of such action, suit, or proceeding, including appeals.

Section 3. The Association may purchase and maintain insurance on behalf of any person described in subsection (1) of this Article against any liability asserted against him, whether or not the Association would have the power to indemnify him against such liability under the provisions of this Article or otherwise.

Section 4. The provisions of this Article shall be applicable to all actions, claims, suits, or proceedings made or commenced after the adoption hereof, whether arising from acts or omissions to act occurring before or after its adoption. The provisions of this Article shall be deemed to be a contract between the Association and each director, officer, employee, or agent who serves in such capacity at any time while this Article and the relevant provisions of the laws of the State of New York and other applicable law, if any, are in effect, and any repeal or modification thereof shall not affect any rights or obligations then existing with respect to any state of facts or any action, suit, or proceeding then or theretofore existing, or any action, suit, or proceeding thereafter brought or threatened based in whole or in part on any such state of facts. If any provision of this Article shall be found to be invalid or limited in application by reason of any law or regulation, it shall not affect the validity of the remaining provisions hereof. The rights of indemnification provided in this Article shall neither be exclusive of, nor be deemed in limitation of, any rights to which any such officer, director, employee, or agent may otherwise be entitled or permitted by contract, the Certificate of Incorporation, vote of directors, or otherwise, or as a matter of law, both as to actions in his official capacity and actions in any other capacity while holding such office, it being the policy of the Association that indemnification of the specified individuals shall be made to the fullest extent permitted by law.

Section 5. For purposes of this Article, references to "other enterprise" shall include employee benefit plans; references to "fines" shall include any excise taxes assessed on a person with respect to an employee benefit plan; and references to "serving at the request of the corporation" shall include any service as a director, officer, employee, or agent of the Association which imposes duties on, or involves services by, such director, officer, employee, or agent with respect to an employee benefit plan, its participants, or beneficiaries.

ARTICLE IX

GENERAL PROVISIONS

Section 1. Operational Year. The operational year for the Association shall start at the beginning of the calendar year; however, membership on the Board of Directors and other committees of the Association shall begin at the termination of the last day of the Annual Meeting of the Association. The Fiscal Year of the Association shall end on December 31.
Section 2. Seal. The corporate seal shall have inscribed thereon the name of the corporation, the year of its organization and the words ["Corporate Seal, Not-for-Profit, New York."] The seal may be used by causing it or a facsimile thereof to be impressed or affixed or in any manner reproduced.

Section 3. Books and Records. The Association shall keep correct and complete books and records of accounts of the activities and transactions of the Association, including a minute book, which shall contain a copy of the Certificate of Incorporation, a copy of these By-Laws, and all minutes of meetings of the Board of Directors and committees thereof.

ARTICLE X

AMENDMENTS BY MEMBERS AND/OR BOARD OF DIRECTORS

Section 1. Certificate.

Members. As authorized under section 802 of the New York Not-for-Profit Corporation Law, the members may by Action by the Members authorize any amendment or change in the Certificate of Incorporation.

Section 2. By-Laws.

(a) Members. As authorized under Section 602 of the New York Not-for-Profit Corporation Law, the members may by Action by the Members authorize any amendment or change in the By-Laws. Any proposed changes in the By-Laws of the Association must be presented in writing to the Board of Directors at least six (6) months before an Annual Meeting of the Association. Due notice of such proposed changes shall be published in the Newsletter or otherwise sent to each member at least one (1) month in advance of the Meeting at which action is to be taken. Action by the Members is necessary to amend the By-laws at a meeting of the membership. In an emergency declared by the Board of Directors, the By-Laws may be modified without delay or advanced notice by mail ballot, only if seventy (70) percent of the members of the Association who return their ballots agree to the change, and if the Board of Directors agrees unanimously.

(b) Board of Directors. As authorized under Section 602 of the New York Not-for-Profit Corporation Law, the Board of Directors may amend or repeal these By-Laws at any meeting of the Board of Directors, at which a quorum is present, by a vote of two-thirds of the directors present or by unanimous written consent of the Board of Directors provided that the amendment is ratified by Action by the Members at the next annual meeting of the Association.
### Member Type
- Regular .................. $120
- Foreign (with journal) . $120
- Student/Postdoc.......... $60
- Foreign (no journal) ....... $40

Select which journal you would like to receive as your FREE subscription for 2002, along with The New Anatomist.
- Anatomical Record
- Developmental Dynamics
- None (foreign members only)

### Education

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### Degrees:

#### Students:
Expect to graduate in __________ month/year

Type of degree: ____________________

Advisor: ____________________________

### Other Society Memberships (circle)
AACA, AAI, ABRF, ACT, APeps, APS, ASBMB, ASBMR, ASCB, ASCI, ASP, ASNS, ASPET, Biophysical Society, Caja, Club, Endocrine Society, HAPS, Histochemical Society, ISS, Protein Society, SDB, SFN, SSR, Toxicology Society, Other: ________________________________

### Personal Information
(The answers to these questions are for statistical purposes only and will be held in complete confidentiality.)

#### Date of Birth________
- Male
- Female

#### Race:
- Amer. Indian/Alaskan Native
- Asian or Pacific Islander
- Black
- White (non-Hispanic)
- Hispanic
- Other (specify) __________

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### Questions? Contact:
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Fax: (301) 634-7965
exec@anatomy.org

Online application at: www.anatomy.org