
John M. Daugherty, MS CMI FAMI

Curriculum Vitae

Program Director/Clinical Assistant Professor
Biomedical Visualization
University of Illinois at Chicago
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Education

1978–1980	M.S. Medical and Biological Illustration University of Michigan
1976–1977	Herron School of Art, Indianapolis
1975–1976	Indiana University (Pharmacology)
1971–1975	B.A. Chemistry and Psychology Indiana University

Certification

1994–current	Certified Medical Illustrator The Board of Certification of Medical Illustrators
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Professional Experience

2011–current	Program Director, Biomedical Visualization Department of Biomedical and Health Information Sciences Biomedical Visualization Graduate Program The University of Illinois at Chicago
2005–2010	Associate Program Director, Biomedical Visualization Department of Biomedical and Health Information Sciences Biomedical Visualization Graduate Program The University of Illinois at Chicago
1989–current	Owner of Highlight Studios Sole proprietor of medical illustration studio
1988–current	Clinical Assistant Professor/Associate Graduate Faculty Department of Biomedical and Health Information Sciences Biomedical Visualization Graduate Program The University of Illinois at Chicago
1988–1991	Manager of Illustration Studios Department of Biomedical Visualization The University of Illinois at Chicago
1981–1988	Coordinator of Biomedical Illustration Department of Anatomy and Neurobiology

Colorado State University

Instructor

Department of Anatomy and Neurobiology

Colorado State University

1977–1978

Assistant Medical Illustrator and Sculptor

Department of Medical Illustration

Indiana University at Indianapolis

Graduate Teaching

2015–current

University of Illinois at Chicago

BVIS 548 Advanced Illustration Techniques, 3 ch

Instructor. An investigation of advanced biomedical illustration techniques through the process of topic research, goal analysis, concept and sketch development, and technique and style exploration.

2012–current

BHIS 500 Strategic Inquiry in Biomedical and Health Information Sciences, 3 ch

Co-instructor. An overview of research methods appropriate for BHIS to better enable students to make research method decisions appropriate for their self-selected research project topics.

2011–current

BVIS 595 Seminar in Biomedical Visualization, 1 ch

Instructor. Topics of current interest in biomedical visualization.

2011–current

BVIS 580 Practicum in Biomedical Visualization, 6-12 ch

Coordinator. Field experience under supervision of a professional expert in a biomedical communication setting that is consistent with student's area of concentration and career goals.

2011–2012

BVIS 502 Clinical Sciences for Biomedical Visualization, 2 ch

Coordinator. The application of neuroanatomy, pharmacology, ophthalmology and biomedical informatics biomedical visualization.

1998–2015

BVIS 510 Anatomical Visualization, 3 ch

Instructor. Graphic manipulation and representation of human morphology and gross anatomy. Graphic construction skills, visual standards and conventions, data collection methods, and personal sketch style development.

1994–current

BVIS 522 Illustration Techniques, 3 ch

Instructor. Introduction to line, continuous tone and color rendering techniques. Digital image creation and manipulation, color theory and design, print and electronic publication topics.

1993–2008

BVIS 530 Surgical Illustration, 4 ch

Co-instructor. Students attend surgery, research surgical procedures and prepare illustrations for educational and commercial use. Students integrate knowledge of instructional design, anatomy, graphic design, and illustration techniques.

1993–1998

BVIS 520 Advanced Illustration Techniques, 4 ch

Instructor. Instruction in advanced illustration techniques for patient education, editorial and marketing applications.

1992–current

BVIS 597 Project Research, 0-4 ch

Instructor. Independent investigation that draws upon the professional experience and knowledge synthesis of the student. Students investigate a topic/problem in their field, document a visualization project or write a paper, and deliver an oral presentation.

1992–current

BVIS 598 Research in Biomedical Visualization, 0-16 ch

Instructor. Thesis research in biomedical visualization.

1991–current

BVIS 596 Independent Study, 1-4 ch

Instructor. Graduate students pursue independent study of special problems in the student's area of interest not related to their project/thesis research.

Graduate Research Advisor

In progress

University of Illinois at Chicago

Kate Zumach, M.S. *Using 3D Animation to Better Visualize the Plesiomorphic and Apomorphic Traits of Eosquama Mongoliensis*

May 2016

Christine Cote, M.S. *Developing an eBook to Visualize the Genetic Recombination of the Avian Influenza A Virus*

March 2015

Meredith Osborn, M.S. *Formative Learning: Effects of Visualizing Neuroplasticity on Implicit Theories of Intelligence*

December 2014

Dorothy Fatunmbi, M.S. *Visualizing Biomechanics: Bone and Joint Forces.*

May 2014

Katie Yost, M.S. *Interactive Animation for Medical Education in Diagnosing Knee Injuries.*

December 2012

Joseph Fullerton, M.S. *The History of Biomedical Visualization at the University of Illinois.*

May 2012

Kaitlin Walters, M.S. *Social Media and Biomedical Visualization Education.*

December 2011

Cynthia Schroeder, M.S. *A Comparison of Software for the Creation of Portable Document Formats Combined with Three-Dimensional Technology.*

July 2011

Sara Egner, M.S. *Patient Education for Craniofacial Surgery.*

July 2011

Patrick Kania, M.S. *Interactive 3D Model Demonstrating the Spatial Relationships of the Temporal, Infratemporal, and Pterygopalatine Fossae.*

July 2011

Stephanie Kline, M.S. *Evaluation of the Effectiveness of an Intra-Operative Visual Aid Toward Improving Operating Room Efficiency During Craniofacial Osseointegration Procedures.*

July 2011

Laryn Kovalik M.S. *Life Cycle Analysis and Comparison of Implant-retained Auricular Prostheses.*

May 2011

Kylie Bergam, M.S. *A Flash Interactive Educating Parents of Children with Cleft Lip and/or Palate about Habilitation Options.*

May 2011

Gabriela Perazza, M.S. *Visualization of Potential Toxic Properties of Rural Laotian Medicinal Plant Species.*

October 2010

Irada Babayeva, M.S. *Interactive Patient Education for Diabetes ABCs.*

July 2010

Rebecca Betts, M.S. *Web-based Patient Education Interactive for Male-to-Female Transgendered Patients on Sex Reassignment Surgery.*

May 2010

Janet Chao, M.S. *An Interactive Guide to the Preservation and Housing Techniques of Scientific Illustrations on Paper-Based Materials.*

May 2010

Matthew Cirigliano, M.S. *The Effect of Supplemental Education-Entertainment Print Media on Learning in a College Level Cell Biology Course.*

May 2010

Lisa Merry, M.S. *Investigating Strategies Used by Medical Illustrators When Creating Sensitive Images.*

April 2010	Lindsey Pionek, M.S. <i>Targeting the Family Demographic Using Multimedia for Prevention of Ongoing Childhood Obesity.</i>
April 2010	Lauren Timpson, M.S. <i>The Development of an Online Surgical Instrument Program for the Maxillofacial Operating Room—A Pilot Study.</i>
July 2009	Candace Woodson, M.S. <i>Using Flash Interactives and Animation to Enhance Cadaver Dissection Education.</i>
December 2008	Ester Pulley, M.S. <i>www.osiriximaging.com: Articles, Tutorials and Resources for Medical Illustrators.</i>
May 2008	Tonya Limberg, M.S. <i>Osirix as a Resource for Biomedical Visualization.</i>
November 2007	Nicole Wolf, M.S. <i>Computer-Assisted Learning: A Novel Instructional Method for Surgical Clerks.</i>
July 2007	Stephanie Allan, M.S. <i>The Effect of a Poster Campaign in Raising Awareness of Type II Diabetes Among Teens in a Midwestern Suburban Junior High School.</i>
June 2007	Erica Daye, M.S. <i>Creation of an Effective Visual Health Campaign for African American Young Adults, Ages 18-29.</i>
July 2005	Erin Hande, M.S. <i>Papio as a Model for Posterior Elbow Dislocation in Homo.</i>
July 2005	Andrea Stevenson, M.S. <i>A Virtual Reality Nose Model.</i>
April 2005	Elina Mer, M.S. <i>Anatomical Image-Matching Exercises: A New Aid In Gross Anatomy Education.</i>
May 2004	Suzanne Wegener, M.S. <i>Visual Communication Comparison Study Using Botanical and Medical Illustrations in Herbal Remedies.</i>
July 2003	Akhila Regunathan, M.S. <i>Patient-Focused Flash Interactive for Implant-Retained Orbital Prostheses.</i>
May 2003	Eli Ensor, M.S. <i>Creation of an Orthopedic Steroid Injection Teaching Aid.</i>
April 2001	Kimberly Lubecke, M.A.M.S. <i>Early Healing Philosophies and Their Expression as Imagery.</i>
August 1992	Kristin Mount, M.A.M.S. <i>The Effect of Professional Representation on the Careers of Free-Lance Medical Illustrators.</i>

**Graduate Research Committee
Member at Large**

In Progress	University of Illinois at Chicago Ni-ka Ford, M.S. <i>Educating Women in Low-income Communities on the Benefits of WIC, a Supplemental Nutrition Program with Posters and an Informational App</i>
In Progress	Christina Sidorowych, M.S. <i>Embryological Development of Heart Outflow Tract</i>
May 2016	Christina Wheeler, M.S. <i>Using Instructional Design to Reduce Cognitive Load in an Interactive Neuroanatomy Atlas</i>
May 2015	Kate Lamy, M.S. <i>Integration of Gross and Cellular Neuroanatomy Via User Manipulation of Digital Models in a Virtual Interface.</i>
May 2013	Suman Kasturia, M.S. <i>Prototyping a Health-Management Application: A Design Exercise for Usability Improvement.</i>
April 2013	Natalie Doolittle, M.S. <i>Database Construction: Establishing Methodology for the Accessible Digital Archive of Historic Medical Illustrations in the Biomedical Visualization Department.</i>
July 2012	Claire Shapleigh M.S. <i>A Disease Simplified: Collaborative Development of Educational Visualizations Targeting Diabetes Patients with Low Health Literacy.</i>

April 2012	Leah Klein, M.S. <i>Visualizing Pharyngeal Arch Nerve Growth and Muscle Innervation During Human Embryological Development.</i>
April 2012	In Young Yoon, M.S. <i>Program and Workflow Analysis to Harvest the Usable Three-Dimensional Anatomy Models from Medical Imaging Data.</i>
December 2011	Leah Tran, M.S. <i>Presenting Frank Armitage: A Website to Inspire Medical Illustrators.</i>
July 2011	Jack Kaminski, M.S. <i>Three-dimensional, Computer-generated Anatomical Models: A Market Review and New Methodology for Creating Stock Models.</i>
July 2011	Jennifer Kincaid, M.S. <i>A Comprehensive Illustration and Animation of the Anatomy of the Human Cochlea and its Mechanics.</i>
July 2011	Hiromi Sogo, M.S. <i>Visualizing the Mechanisms of Skin Discoloration and Treatments.</i>
May 2011	Jeremy Brotherton, M.S. <i>Health Hazards for the Performing Artist: A Fully Designed Pamphlet for the Practicing Guitarist.</i>
April 2011	Lauren Conroy, M.S. <i>Preservation of Early Human Remains Through Digital Visualization Techniques: A Non-destructive Comparison of Interior Neurocraniums from the Early-Holocene and Mid-Holocene.</i>
November 2010	Josy Conklin, M.S. <i>Designing an Image Retrieval System Interface for Medical Art Students.</i>
August 2010	Julia Klein, M.S. <i>Development of Flash-based Simulation for the Interactive Training of Vascular Ultrasound Technicians.</i>
April 2010	Lindsey Brake, M.S. <i>Using Flash to Create an Interactive Module about Endometriosis, Laparoscopy, and Alternative Treatments.</i>
April 2010	Jason Isley, M.S. <i>Comparative Analysis of Medical and Legal Illustrations and Designs.</i>
December 2009	Anne Graney, M.S. <i>Efficacy of a Hybrid-Learning Environment: Computer Applications, BVIS 415.</i>
July 2009	Sonya Edmund, M.S. <i>Developing Patient Education Materials for Children with Tetralogy of Fallot.</i>
April 2009	Carla Gunn, M.S. <i>The Application of Additive Fabrication in Biomedical Visualization.</i>
July 2008	Mary Cordell, M.S. <i>An Analysis of the Capabilities Present Within Commercially Available Three-Dimensional Modeling and Animation Software to Create Line Art Images.</i>
August 2005	Stacie Gartelos, M.S. <i>Developing Effective Nursing Staff Education Materials for Anterior Cruciate Ligament Reconstruction.</i>
May 2003	Sheila Herman, M.S. <i>Diabetes Education Through a Board Game.</i>
May 2001	Christopher Wikoff, M.A.M.S. <i>A study of Pressure Sensitive Digitizing as a Method for Rendering Surgical and Medical Line Drawings in Bitmap Format.</i>
May 1999	Sonal Sanghani, M.A.M.S. <i>A History of Surgical Instruments: Form, Function and Influences.</i>
April 1994	Wendy Dunning, M.A.M.S. <i>Creation of Images for a Hypermedia Tutorial</i>
April 1994	Brenda Bunch, M.A.M.S. <i>A Comparative Anatomy Reference Guide for Human, Dog and Rabbit: The Digestive System's Viscera and Accessory Glands.</i>

Honors and Awards

February/March 2016

At the invitation of Iowa State University (ISU), **led external review** team to review their Biological/Pre-Medical Illustration (BPMI) undergraduate program. Other members of the team included R. Benjamin Knapp, Director of the Institute for Creativity, Arts and Technology at Virginia Polytechnic Institute & State University and Robert F. Morreale,

Chair-Creative Media at the Mayo Clinic. Conducted a two-day review and submitted an external review report for the BPMI Program to Amy R. Slagell, Associate Dean for Academic Programs at ISU on April 18, 2016.

May 2015 **The Excalibur Award for Teaching Excellence**
Applied Health Sciences Student Council
The University of Illinois at Chicago

July 2013 **Brödel Award of Excellence in Education** for outstanding educational contributions to the profession of Medical Illustration. Association of Medical Illustrators.

December 2012 Elected to **Board of Directors, National Museum of Health & Medicine Chicago**

May 2012 **The Excalibur Award for Teaching Excellence**
Applied Health Sciences Student Council
The University of Illinois at Chicago

July 2010 Inducted as a **Fellow of the Association of Medical Illustrators**

March 2009 *Anatomy of the Neck, Shoulder, and Back; Transesophageal Probe and Pain Perception* selected for **William Benton Museum of Art Anatomically Correct: Medical Illustrations, 1543-2008** exhibit in Storrs, CT. Invited to participate.

July 2008 **Emil W. Hospodar Excellence in Teaching Award** for outstanding and innovative teaching.
The University of Illinois at Chicago

July 2008 **Judge for Instructional Line, Instructional Continuous Tone, Illustrated Medical Book, and Three-dimensional Models** divisions of the Association of Medical Illustrators national salon. 63rd Annual Meeting of the Association of Medical Illustrators

August 2006 **Ralph Sweet Members' Choice Award (Best of Show)** for *Shoulder, Knee and Foot/Ankle Anatomy*
AMI Salon, Marketing/Promotional Division
61st Annual Meeting of the Association of Medical Illustrators

August 2006 **Award of Excellence** for *Shoulder, Knee and Foot/Ankle Anatomy*
AMI Salon, Marketing/Promotional Division
61st Annual Meeting of the Association of Medical Illustrators

May 2006 **The Excalibur Award for Teaching Excellence**
Applied Health Sciences Student Council
The University of Illinois at Chicago

January 2004 Included in the **Quincy Art Center's** *The Art of Visualizing Medicine: An 82 Year Retrospection of the University of Illinois at Chicago* in Quincy, Illinois.

June 2003 *Hemosonic 100 and Anatomy of the Neck, Shoulder and Back*, selected for the **National Library of Medicine's** contemporary medical illustration exhibit in Bethesda, Maryland. Invited to participate in the *Dream Anatomy* yearlong historical anatomical art exhibition, which featured 18 award-winning illustrations.

August 2001 **Award of Excellence** for *Hemosonic 100*
AMI Salon, Advertising Division
56th Annual Meeting of the Association of Medical Illustrators

May 2001 **The Excalibur Award for Teaching Excellence**
Applied Health Sciences Student Council
The University of Illinois at Chicago

July 2000 **Ralph Sweet Members' Choice Award (Best of Show)** for *Anatomy of the Neck, Shoulder, and Back*

July 2000 AMI Salon, 55th Annual Meeting of the Association of Medical Illustrators
Certificate of Merit for *Anatomy of the Neck, Shoulder, and Back*
 AMI Salon, Marketing/Promotional Division
 55th Annual Meeting of the Association of Medical Illustrators

July 2000 **Certificate of Merit** for *OH-62 Reconstruction*
 AMI Salon, Editorial Division
 55th Annual Meeting of the Association of Medical Illustrators

July 2000 **Judge and Chair for Medical Legal, Fine Art, Animation, and Three-dimensional**
 divisions of the Association of Medical Illustrators national salon. 53rd Annual Meeting of
 the Association of Medical Illustrators

July 2000 *Anatomy of the Neck, Shoulder, and Back* selected for **Guild of Natural Science**
Illustrators Medical Illustration: Brödel to the Present exhibit in Lisbon and Evora,
 Portugal. Invited to participate as US award-winning artist.

April 1999 **Judge for Visual Communications, Illustration**
 The 1999 Cincinnati Editors Association Publications Competition

April 1998 **Judge for Visual Communications, Illustration**
 The 1998 Cincinnati Editors Association Publications Competition

July 1997 **Certificate of Merit** for *Pediatric Catheter*
 AMI Salon, Advertising Division
 52nd Annual Meeting of the Association of Medical Illustrators

October 1996 **Award of Excellence** for *Pediatric Catheter*
 Exhibit of the 75th Anniversary of Medical Art at the
 University of Illinois at Chicago

July 1996 **Certificate of Merit** for *ARC Tissue Services Catalogue*
 AMI Salon, Advertising Division
 51st Annual Meeting of the Association of Medical Illustrators

July 1996 **Certificate of Merit** for *Skeletal System*
 AMI Salon, Medical Color Division
 51st Annual Meeting of the Association of Medical Illustrators

November 1995 **Featured in the article** *Learning from the Body Human*
 Step by Step Graphics, 1995, 11(6), 66-77.

August 1995 **Certificate of Merit** for *Ostomy Series*
 AMI Salon, Advertising Division
 50th Annual Meeting of the Association of Medical Illustrators

August 1993 **Award of Excellence** for *Female Figure – Highlighted Joints*
 AMI Salon, Advertising Division
 48th Annual Meeting of the Association of Medical Illustrators

August 1992 **Award of Excellence** for *Antagonist Muscle Groups*
 AMI Salon, Editorial Division
 47th Annual Meeting of the Association of Medical Illustrators

August 1992 **Certificate of Merit** for *Olfaction*
 AMI Salon, Editorial Division
 47th Annual Meeting of the Association of Medical Illustrators

August 1990 **First Place** for *Lateral Ankle Sprains*
 AMI Salon, Medical Color Division
 45th Annual Meeting of the Association of Medical Illustrators

August 1987

Award of Excellence for *Advanced Techniques in Large Animal Surgery*

AMI Salon, Medical Book Division

42nd Annual Meeting of the Association of Medical Illustrators

November 1986

Certificate of Merit for *Knee Arthroscopy*

Art of Medicine Exhibition

New York Society of Illustrators

Publications

Daugherty, J.M. (2017). Health Careers in Biomedical Visualization. In Morkes, A. (Ed.), *Hot Health Care Careers: More Than 25 Jobs With Fast Growth and Many New Positions, 2nd Edition*. Chicago: College & Career Press.

June 2015

Ad Hoc Reviewer, Continuing Strides in Medical Illustration. In Doyle, S. (Ed.), *History of Illustration*, London: Bloomsbury Publishing Pic.

Daugherty, J.M. (2015). Medical and Biological Illustration. In Morkes, A. (Ed.), *They Teach That in College!?: A Resource Guide to More Than 100 Interesting College Majors, 3rd Edition*. Chicago: College & Career Press.

Illustrated Books

Banks, W.J. *Applied Veterinary Histology*. (2nd Ed.) Baltimore: Williams and Wilkins, 1981.

Banks, W.J. *Applied Veterinary Histology*. (3rd Ed.) Baltimore: Williams and Wilkins, 1984.

Brown, A.J. *First Aid Principles and Practices*. (2nd Ed.) New York: Macmillan, 1987.

Collopy, C.T. *Back to Basics, A Common Sense Guide to Back Pain*. 1986.

Davis, B.O. *Conceptual Human Physiology*. Chicago: Scott Foresman, 1985.

Economou, S.B. *Atlas of Surgical Techniques*. Philadelphia: Saunders, 1996.

Eichstaedt, K.B. and Kalakian, L.H. *Developmental/Adapted Physical Education: Making Ability Count*. New York: Macmillan, 1987.

Hamrick, M. *Health*. Columbus, OH: Charles Merrill, 1986.

Lindsay, D.T. *Functional Human Anatomy*. St. Louis: Mosby-Year Book. 1996.

McIlwraith, C.W., and Turner, A.S. *Techniques in Large Animal Surgery*.

Philadelphia: Lea and Febiger, 1981.

McIlwraith, C.W., and Turner, A.S. *Advanced Techniques in Large Animal Surgery*. Philadelphia: Lea and Febiger, 1987.

Microsoft Encarta Online Encyclopedia. Microsoft Corporation, 1998.

Rosenberg, J.L., and Kitaen-Morse, B. *The Intimate Couple*. Atlanta: Turner Publishing, Inc. 1996.

Wexo, J.B. *Giraffes*. San Diego: Wildlife Education Ltd. 1982.

Selected Illustrative Works Published by:

3M Medical Specialties

Abbott Laboratories

Allegiance Healthcare

Allergan, Inc.

American College of Physicians
American Family Practice Physician's Assistants
American Red Cross
American Society of Consultant Pharmacists
Arrow International
Ascend Media
Athletic Business Publications, Inc.
Axcan Schwarz LLC
Bristol-Myers Squibb Company
Broadman & Holman Publishers
Cahners Publishing Co.
Capstone Press
Cardinal Health
Cliggott Communications
Columbia University
Compass Point Books
Condé Nast Publications
Creative Age Publications
Discovery Communications, Inc.
Eli Lilly and Company
Elsevier
Essilor of America, Inc.
Exhibitgroup Giltspur
G.D. Searle & Co.
GEM Communications
HarperCollins Publishers
Harpo Productions
Haworth, Inc.
Haymarket Media Group
Health Track
Heinrich Bauer North America
Hollister, Inc.
Howard Hughes Medical Institute
i3 CME
Janssen Pharmaceutica Products, L.P.
Jobson Publishing LLC
Johnson & Johnson
Jones and Bartlett Publishers
KeyCorp
Kids Discover Magazine
Kidsbooks, Inc.
Krames Communications
Lerner Publishing Group
Liberty Science Center
Louisiana Public Broadcasting
Lucent Books
Mademoiselle Magazine
Mallinckrodt
McGraw-Hill Companies, Inc.
McNeil Consumer & Specialty Pharmaceuticals
Medfarma - Medical Editions, Lda.
Medical Broadcasting Company
Medical Economics Publishing
Medical World Communications, Inc.
MedReviews, LLC
Merck & Co., Inc.
Meretek Diagnostics, Inc.
Microsoft Corp.
Mosby - Yearbook, Inc.
Mount Sinai Hospital
National Geographic Magazine
National Kidney Foundation
Newsweek, Inc.
Nickelodeon Magazine
Novartis Pharmaceuticals
Orthologic Corp.
Otsuka America Pharmaceutical
P & G Pharmaceuticals
Pegasus Biologics, Inc.
Pfizer, Inc.
Phillips International, Inc.
Plantronics, Inc.
Prentice Hall
Prometheus Laboratories
Quadrant HealthCom
Quinton Instruments Co.
Reed Elsevier Medical Publishing
Rodale Press
Rosen Publishing Groups
Scholastic, Inc.
Smith & Nephew Dyonics
SmithKline Beecham
Springhouse Corp.
Time Magazine
Turner Publishing, Inc.
U.S. Surgical Corp.
United Parcel Service
Weekly Reader Corp

Journal Articles

- Arena, R., **Daugherty, J.M.**, Bond, S., Lavie, C.J., Philips, S. and Borghi-Silva, A. (2016). The Combination of Obesity and Hypertension: A Highly Unfavorable Phenotype Requiring Attention. *Current Opinion in Cardiology*, 31(3).
- Arena, R., Lavie, C.J., Cahalin, L.P., Briggs, P.D., Guizilini, S., **Daugherty, J.M.**, Chan, W. and Borghi-Silva, A. (2016). Transforming Cardiac Rehabilitation into Broad-Based Healthy Lifestyle Programs to Combat Non-Communicable Disease. *Expert Review of Cardiovascular Therapy*, 14(1).
- Daugherty, J.M.** (2016). The Role of Biomedical Visualization in Medicine and Public Health. *Northwestern Public Health Review*, 3(1).
- Pinkstaff, S.O, Burger, C.D., **Daugherty, J.**, Bond, S., Arena, R. (2016). Cardiopulmonary exercise testing in patients with pulmonary hypertension: clinical recommendations based on a review of the evidence. *Expert Review of Respiratory Medicine*, 10(3).
- Arena, R., Lavie, C.J., Borghi-Silva, A., **Daugherty, J.M.**, Bond, S., A., Phillips, S. and Guazzi, M. (2015). Exercise Training in Group 2 Pulmonary Hypertension: Which Intensity and What Modality. *Progress in Cardiovascular Diseases*. doi: 10.1016/j.pcad.2015.11.005 [Epub ahead of print]
- Mount, K.N. and **Daugherty, J.M.**, 1994. Professional Representation and the Freelance Medical Illustrator. *The Journal of Biocommunication*, 21(4).

Conference Presentations

- Daugherty, J.M.:** *Realizing Opportunities in Biomedical Visualization*. Presented at the BPMI 30th Anniversary, Iowa State University, Ames, IA. October, 2014.
- Daugherty, J.M.:** *Biomedical Visualization as a Career*. Presented to Malcolm X College, Chicago, IL. October, 2012.
- Daugherty, J.M.:** *Knowledge Visualization*. Iowa State University, Ames, IA. October, 2011.
- Daugherty, J.M.:** *Biomedical Visualization as a Career*. Presented to Malcolm X College, Chicago, IL. September, 2011.
- Daugherty, J.M.:** *Biomedical Visualization, Combining both Science and Art*. Presented to Lake Zurich High School, Lake Zurich, IL. May, 2011.
- Daugherty, J.M.:** *Biomedical Visualization*. Presented to Columbia College, Chicago, IL. April, 2011.
- Daugherty, J.M.:** *Medical Illustration as a Career*. Presented to Elmhurst College, Elmhurst, IL. November 2009.
- Daugherty, J.M.:** *Medical Illustration*. Presented to the American Academy of Art, Chicago, IL. April, 2009.
- Daugherty, J.M.:** *Short Topics in Art: 06 Salon Winners*. Presented to the Association of Medical Illustrators Annual Meeting, Bozeman, MT. July, 2007.
- Daugherty, J.M.:** *Pencil Sketching for Digital Medical Illustration*. Presented to the Association of Medical Illustrators Annual Meeting Techniques Showcase, Boston, MA. August, 2006.
- Daugherty, J.M.:** *Corel Painter*. Presented to the Association of Medical Illustrators Annual Meeting Techniques Showcase, Cleveland, OH. July, 2004.
- Daugherty, J.M.:** *OH62 Reconstruction*. Presented to the Cleveland Institute of Art, Cleveland, OH. January, 2003.
- Daugherty, J.M.:** *Draftsmanship*. Presented to the Association of Medical Illustrators Annual Meeting Techniques Showcase, Austin, TX. July, 2002.
- Daugherty, J.M.:** *Reconstructing Lucy's Child*. Presented to the Association of Medical Illustrators Annual Meeting, Rochester, MN. July, 2000.
- Daugherty, J.M.:** *Photoshop Naturally – Adopting a Natural Style in Photoshop 5*. Presented to the Association of Medical Illustrators Annual Meeting Techniques Showcase, Atlanta, GA. July, 1999.
- Daugherty, J.M.:** *Using Photoshop to Incorporate Line into Computer Illustrations*. Presented to The Guild of Natural Science Illustrators Conference, Ames, IA. June, 1998.
- Daugherty, J.M.:** *Line and Color.* Presented to The Guild of Natural Science Illustrators Conference, Ames, IA. June, 1998.
- Daugherty, J.M.:** *Illustrating for Patient Education*. Panel discussion presented to The Association of Medical Illustrators Annual Meeting, Baltimore, MD. July, 1997.
- Daugherty, J.M., and Foerster, J.:** *Breathing Life into Medical Illustration.* Presented to the Association of Medical Illustrators Annual Meeting, Phoenix, AZ. August, 1995.
- Daugherty, J.M.:** *From Thumbnail to Final – Combining Computer and*

- Traditional Illustration Techniques.* Presented to the Association of Medical Illustrators Regional Meeting. Chicago, IL. March, 1995.
- Daugherty, J.M.:** *Mixed Media Technique.* Presented to the 1994 World Congress on Biomedical Communications Techniques Showcase. Orlando, FL. June, 1994.
- Daugherty, J.M.,** Lempke, P., MacEachern, D., Morello, T., and Rholl, T.: *The Parallel Worlds of Macintosh and Dos-Based Pcs – A Purchasing Prerequisite Panel Discussion.* Presented to the Association of Medical Illustrators Regional Meeting. Chicago, IL. March, 1994.
- Daugherty, J.M.:** *Tailor-Planning Your Computer and Software Purchases. Panel discussion moderator.* Presented to The Midwest Medical Illustrators Association Regional Meeting. Chicago, IL. October, 1991.
- Daugherty, J.M.,** and Rasmussen, M.: *Illustrating with Corel Draw.* Presented to The Midwest Medical Illustrators Association Regional Meeting. Chicago, IL. October, 1991.
- Daugherty, J.M.:** *Illustration Software for Medical Illustration Applications.* Presented to the Association of Medical Illustrators Annual Meeting, New Orleans, LA. August, 1991.
- Daugherty, J.M.:** *Visualization in Scientific Thought and Communication.* Presented to the American Association for Laboratory Animal Science Annual Meeting. Milwaukee, WI. October, 1990.
- Daugherty, J.M.:** *Your Draw. Panel discussion moderator.* Presented to the Association of Medical Illustrators Annual Meeting. Philadelphia, PA. August, 1990.

Grants

June 2016

Role: Co-I
 Agency: American Association of Anatomists
 Title of Proposal: *A 3D Interactive Atlas of Potential Spaces in Head and Neck for Teaching Anatomy and Clinical Application of Pathways of Infection*
 Amount Requested: \$50,000
 Amount Funded: Under review
 Funding Period: 12 months

October 2015

Role: Co-PI
 Agency: UIC College of Applied Health Sciences
 Title of Proposal: *Haptic Écorché: Simulation of 3D Sculpting of Anatomical Models in Virtual Reality Environments*
 Amount Requested: \$2,500
 Amount Funded: \$2,500
 Funding Period: 18 months

Association Memberships

2016–current

American Association of Anatomists

1986–current

Association of Medical Illustrators

Council on Education (2011–current)

Portfolio Review Committee (1988–90, 1992)

Techniques Showcase Committee Chair (1992)

1989–1995

Midwest Medical Illustrators Association

1981–1992

Guild of Natural Science Illustrators, National Chapter

1983–1985

Guild of Natural Science Illustrators, Colorado Chapter

Treasurer (1984, 1985)