

## CURRICULUM VITAE

LEAH A. (KLEIN) LEBOWICZ, M.S., CMI

**Business Address:** Department of Biomedical and Health Information Sciences  
College of Applied Health Sciences  
University of Illinois at Chicago (UIC)  
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### CURRENT POSITIONS:

*Clinical Assistant Professor*  
UIC Department of Biomedical and Health Information Sciences  
Biomedical Visualization Program

*Associate Member*  
UIC Graduate College  
Department of Biomedical and Health Information Sciences

### EDUCATION

2010 *Bachelor of Arts*  
University of Texas, College of Fine Arts, Austin, Texas

2012 *Master of Science*  
University of Illinois, Biomedical Visualization, Chicago, IL

*Expected 2020* *Doctor of Education*  
Capella University, Adult Education, Minneapolis, MN

### FACULTY POSITIONS

2012 *Visiting Clinical Assistant Professor*  
UIC Department of Biomedical and Health Information Sciences  
Biomedical Visualization Program

Summer 2012 *Adjunct Instructor*  
UIC Department of Biomedical and Health Information Sciences  
Biomedical Visualization Program

### CERTIFICATIONS

*Fellow of the Scholars for Teaching Excellence Faculty Fellowship (STEFF)*, University of Illinois at Chicago, College of Medicine, 2017

*Certified Medical Illustrator*, Board of Certification of Medical Illustrators, 2015

### TEACHING

See Appendix A

## RESEARCH/SCHOLARLY ACTIVITY PUBLICATIONS:

### Published Articles, Interviews, and Quotations:

- Corona, F. East Meets West: 'We Are Alfred'. *UIC (University of Illinois at Chicago) News Center*. May 2016. <https://news.uic.edu/east-meets-west-we-are-alfred>.
- Sawchyn, L.D., Schwartz, L., Klein, L., Hines, T. Some Rights Reserved: Tips for Working with Open Access and Creative Commons (CC) Licensing. *AMI (Association of Medical Illustrators) News*. 2013; 54 (4):3-4.

### Published Illustrations in Journals:

- Rask-Madsen C., King G.L. Vascular complications of diabetes: Mechanisms of injury and protective factors. *Cell Metabolism*. 2013; 17(1):20-33.
- Rask-Madsen C., Kahn C. R. Tissue-Specific Insulin Signaling, Metabolic Syndrome, and Cardiovascular Disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*. 2012; 32(9): 2052-2059.

### Cover illustrations for Journals

- *Arteriosclerosis, Thrombosis, and Vascular Biology*, September 2012; 32 (9): Cover.

## RESEARCH/SCHOLARLY ACTIVITY PRESENTATIONS:

### Poster Sessions:

- Yoshioka, N., Daugherty, J., Lebowicz, L., Doubleday, A., Cotanche, D. Temporal Visualization of Body Cavity Partitioning: An Interactive Timeline. Human Anatomy and Physiology Society 2018 Annual Conference. Columbus, OH. May 26-30, 2018. (1,000 participants)
- Yoshioka, N., Daugherty, J., Lebowicz, L., Doubleday, A., Cotanche, D. Temporal Visualization of Body Cavity Partitioning: An Interactive Timeline. Experimental Biology 2018 Annual Meeting. San Diego, CA. Apr. 21- 25, 2018. (1,000 participants)
- Beltran, B., Lebowicz, L., Raney, G. When Did Students Stop Needing Picture Books? Visuals in Biology Education: A Reflection on the Relationship Between Visuals and Student Learning. University of Illinois at Chicago 2018 Student Research Forum. Chicago, IL. Apr. 11, 2018. (450 participants)
- Andreas, E., Bond, S., Young, C., Lebowicz, L. Designing an Educational Tool to Normalize Postpartum Depression and Increase Help-Seeking Behaviors. University of Illinois at Chicago 2018 Student Research Forum. Chicago, IL. Apr. 11, 2018. (450 participants)
- Hughes, S., Lebowicz, L., Mount, K., Man, B., Brennan, K. Evaluating the Effectiveness of a Prediabetes Treatment Decision Aid Presented as a Series of Infographics. University of Illinois at Chicago 2018 Student Research Forum. Chicago, IL. Apr. 11, 2018. (450 participants)
- Milman, E., Alemseged, Z., Brennan, K., Lebowicz, L., Daugherty, J. Creating an Animation to Depict a Juvenile *Australopithecus afarensis* Specimen: Implications for Functional Foot Anatomy. University of Illinois at Chicago 2018 Student Research Forum. Chicago, IL. Apr. 11, 2018. (450 participants)

- Yoshioka, N., Daugherty, J., Lebowicz, L., Doubleday, A., Cotanche, D. Temporal Visualization of Body Cavity Partitioning: An Interactive Timeline. University of Illinois at Chicago 2018 Student Research Forum. Chicago, IL. Apr. 11, 2018. (450 participants)
- Milman, E., Alemseged, Z., Brennan, K., Lebowicz, L., Daugherty, J. Creating an Animation to Depict a Juvenile *Australopithecus afarensis* Specimen: Implications for Functional Foot Anatomy. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Yoshioka, N., Daugherty, J., Lebowicz, L., Doubleday, A., Cotanche, D. Temporal Visualization of Body Cavity Partitioning: An Interactive Timeline. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Cloninger, K., Bond, S., Reed, D., Lebowicz, L. Developing a Learner-Centered 3D Application to Teach Craniofacial Spaces and Odontogenic Pathways of Infection. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Jones, R., Bond, S., Reed, D., Lebowicz, L. Design of a 3D Model Visualizing the Pathways of Infection for Students with Low Spatial Ability to Improve Anatomical Knowledge. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Hayes, S., Luciano, C., Lebowicz, L., Brennan, K., Srinivasan, N. Discovering the Usefulness of a 3D Haptic Virtual Model of the Neonatal Chest for Simulation of Chest Tube Insertion in Neonates. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Greenhill, K., Bond, S., Lebowicz, L., Faiola, A. Creating Common Ground: A Medical Visualization Tool to Aid Physician/Family Communication in a Medical Intensive Care Unit Setting. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Andreas, E., Bond, S., Young, C., Lebowicz, L. Designing an Educational Tool to Normalize Postpartum Depression and Increase Help-Seeking Behaviors. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Hughes, S., Lebowicz, L., Mount, K., Man, B., Brennan, K. Evaluating the Effectiveness of a Prediabetes Treatment Decision Aid Presented as a Series of Infographics. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 1, 2017. (200 participants)
- Sidorowych, C., Lebowicz, L., Daugherty, J., Brennan, K., Bond, S. Visualizing Human Embryonic Development of the Heart's Outflow Tract. Association of Medical Illustrators Annual Meeting. Austin, TX. July 24, 2017. (75 participants)
- Raber, T., Lebowicz, L., Oto, A., Brennan, K., Hughes, D. An Interactive Application Incorporating 3D Models and 2D Illustrations for Enhanced Prostate MRI Training. Association of Medical Illustrators Annual Meeting. Austin, TX. July 24, 2017. (75 participants)
- Huttner, M., Maizels, E., Lebowicz, L., Hughes, D. Probing Characteristics of Visuals in Mental Health Outreach: An animation explaining the biogenic etiology of depression. Association of Medical Illustrators Annual Meeting. Austin, TX. July 24, 2017. (75 participants)
- Orland, A., Brennan, K., Wellman, C., Mehta, A., Lebowicz, L. Animating External Magnetic Guidance of Intrathecally Delivered Gold-Coated Nanoparticles to Treat Intramedullary Spinal Tumors. Association of Medical Illustrators Annual Meeting. Austin, TX. July 24, 2017. (75 participants)
- Lorenzo, C., Young, C., Kazlauskaitė, R., Hughes, D., Lebowicz, L. Analysis of Online Interactive Learning for Type 2 Diabetes Patients Utilizing the Dexcom G5 Continuous Glucose Monitor System. Association of Medical Illustrators Annual Meeting. Austin, TX. July 24, 2017. (75 participants)

- Mason, J., Brennan, K., Bond, S., Lebowicz, L. Developing and Interactive 3D Learning Experience to Help Students Understand Key Regulatory Processes Associated with Glycolysis. Association of Medical Illustrators Annual Meeting. Austin, TX. July 24, 2017. (75 participants)
- Ulm, A., Luciano, C., Brennan, K., Lebowicz, L., Druzinsky, R. Visualizing the Masticatory Muscle Attachment and Micro-architecture of the *Cavia porcellus*. Experimental Biology 2017 Annual Meeting. Chicago, IL. Apr. 22- 26 2017. (1,000 participants)
- Sidorowych, C., Lebowicz, L., Daugherty, J., Brennan, K., Bond, S. Visualizing Human Embryonic Development of the Heart's Outflow Tract. Experimental Biology 2017 Annual Meeting. Chicago, IL. Apr. 22- 26 2017. (1,000 participants)
- Orland, A., Brennan, K., Wellman, C., Mehta, A., Lebowicz, L. Animating External Magnetic Guidance of Intrathecally Delivered Gold-Coated Nanoparticles to Treat Intramedullary Spinal Tumors. Experimental Biology 2017 Annual Meeting. Chicago, IL. Apr. 22- 26 2017. (1,000 participants)
- Raber, T., Lebowicz, L., Oto, A., Brennan, K., Hughes, D. An Interactive Application Incorporating 3D Models and 2D Illustrations for Enhanced Prostate MRI Training. Experimental Biology 2017 Annual Meeting. Chicago, IL. Apr. 22- 26 2017. (1,000 participants)
- Ford, N., Lebowicz, L., Wurl, D., Daugherty, J., Odoms-Young, A. Creating Educational Materials to Increase Participation and Retention in the Special Supplemental Nutrition Program for Women Infants and Children (WIC). Illinois African American and Latino Higher Education Alliance (IALHEA), Diversity Dialogue and Research Forum: Building a Community of Scholars. Chicago, IL. Apr. 12, 2017. (500 participants)
- Raber, T., Lebowicz, L., Oto, A., Brennan, K., Hughes, D. An Interactive Application Incorporating 3D Models and 2D Illustrations for Enhanced Prostate MRI Training. University of Illinois at Chicago 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)
- Ford, N., Lebowicz, L., Wurl, D., Daugherty, J., Odoms-Young, A. Creating Educational Materials to Increase Participation and Retention in the Special Supplemental Nutrition Program for Women Infants and Children (WIC). University of Illinois at Chicago 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)
- Zumach, K., Daugherty, J., Lebowicz, L., Brennan, K., Sereno, P., Fitzgerald, E. Digitally Reconstructing and Animating *Eosquama mongoliensis* for Rediagnosis in Squamate Phylogeny. University of Illinois at Chicago 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)
- Mason, J., Brennan, K., Bond, S., Lebowicz, L. Developing and Interactive 3D Learning Experience to Help Students Understand Key Regulatory Processes Associated with Glycolysis. University of Illinois at Chicago 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)
- Sidorowych, C., Lebowicz, L., Daugherty, J., Brennan, K., Bond, S. Visualizing Human Embryonic Development of the Heart's Outflow Tract. University of Illinois at Chicago 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)
- Lorenzo, C., Young, C., Kazlauskaitė, R., Hughes, D., Lebowicz, L. Analysis of Online Interactive Learning for Type 2 Diabetes Patients Utilizing the Dexcom G5 Continuous Glucose Monitor System. University of Illinois at Chicago 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)

- Ulm, A., Luciano, C., Brennan, K., Lebowicz, L., Druzinsky, R. Visualizing the Masticatory Muscle Attachment and Micro-architecture of the *Cavia porcellus*. University of Illinois at Chicago 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)
- Orland, A., Brennan, K., Wellman, C., Mehta, A., Lebowicz, L. Animating External Magnetic Guidance of Intrathecally Delivered Gold-Coated Nanoparticles to Treat Intramedullary Spinal Tumors. University of Illinois at Chicago, 2017 Student Research Forum. Chicago, IL. Apr. 3, 2017. (450 participants)
- Sidorowych, C., Lebowicz, L., Daugherty, J., Brennan, K., Bond, S. Visualizing Human Embryonic Development of the Heart's Outflow Tract. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Raber, T., Lebowicz, L., Oto, A., Brennan, K., Hughes, D. An Interactive Program Incorporating 3D Models and 2D Illustrations for Enhanced Prostate MRI Training. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Orland, A., Brennan, K., Wellman, C., Mehta, A., Lebowicz, L. Animating External Magnetic Guidance of Intrathecally Delivered Gold-Coated Nanoparticles to Treat Intramedullary Spinal Tumors. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Lorenzo, C., Young, C., Kazlauskaitė, R., Hughes, D., Lebowicz, L. Analysis of Online Interactive Learning for Type 2 Diabetes Patients Utilizing the Dexcom G5 Continuous Glucose Monitor System. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Mason, J., Brennan, K., Bond, S., Lebowicz, L. Developing and Interactive 3D Learning Experience to Help Students Understand Key Regulatory Processes Associated with Glycolysis. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Ford, N., Lebowicz, L., Wurl, D., Daugherty, J., Odoms-Young, A. Creating Educational Materials to Increase Participation and Retention in the Special Supplemental Nutrition Program for Women Infants and Children (WIC). University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Ulm, A., Luciano, C., Brennan, K., Lebowicz, L., Druzinsky, R. Visualizing the Masticatory Muscle Attachment and Micro-architecture of the *Cavia porcellus*. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Zumach, K., Daugherty, J., Lebowicz, L., Brennan, K., Sereno, P., Fitzgerald, E. Digitally Reconstructing and Animating *Eosquama mongoliensis* for Rediagnosis in Squamate Phylogeny. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 16, 2016. (200 participants)
- Lamont, M., Brennan, K., Herrick, J., Lebowicz, L. Visualizing Neurocysticercosis and the Impact of Cysts on Epilepsy Using Interactive 3D Models. American Society of Tropical Medicine and Hygiene. Atlanta, GA. Nov. 14-15, 2016. (400 participants)
- Bond, S., Patel, P., Young, C., Lebowicz, L., Brennan, K. Animation and Interactive Media's Educational and Emotional Impact on Children with Cleft and Their Caregivers. Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 21, 2016. (75 participants)
- Bowen, J., Brennan, K., Lebowicz, L., Saul, T. Developing an Interactive, Personalized Anatomical Educational Experience for Public Spaces. Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 21, 2016. (75 participants)

- Miyamoto, M., Lebowicz, L., Young, C., Milkowski, D., Featherstone, D. Developing a Virtual Lab to Teach Essential Laboratory Techniques Involved in Solution Preparation. Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 21, 2016. (75 participants)
- Olson, S., Patel, P., Young, C., Lebowicz, L., Brennan, K. Animation and Interactive Media's Educational and Emotional Impact on Children with Cleft and Their Caregivers. Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 21, 2016. (75 participants)
- Shaw, C., Leahy, T., Lebar, R., Corda, K., Tripathi, A., Borowski, J., Cha, Y., Lebowicz, L., Yudkowsky, R., Swirsky, E. We Are Alfred: Creating an interactive case study in virtual reality to teach medical students about the aging experience. Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 21, 2016. (75 participants)
- Tessler, J., Young, C., Lebowicz, L., Luciano, C. A Exploring Greyscale 3D Modeling Techniques in Surgical Illustration Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 21, 2016. (75 participants)
- Miyamoto, M., Lebowicz, L., Young, C., Milkowski, D., Featherstone, D. Developing a Virtual Lab to Teach Essential Laboratory Techniques Involved in Solution Preparation. 2016 University of Illinois at Chicago Student Research Forum. Chicago, IL. April 12, 2016. (300 participants)
- Shaw, C., Leahy, T., Lebar, R., Corda, K., Tripathi, A., Borowski, J., Cha, Y., Lebowicz, L., Yudkowsky, R., Swirsky, E. We Are Alfred: Creating an interactive case study in virtual reality to teach medical students about the aging experience. 2016 University of Illinois at Chicago Student Research Forum. Chicago, IL. April 12, 2016. (300 participants)
- Bond, S., Conrad, M., Natividad, E., Olson, S., Patel, P., Young, C., Lebowicz, L., Brennan, K. Animation and Interactive Media's Educational and Emotional Impact on Children with Cleft and Their Caregivers. 2016 University of Illinois at Chicago Student Research Forum. Chicago, IL. April 12, 2016. (300 participants)
- Lamont, M., Brennan, K., Herrick, J., Lebowicz, L. Visualizing Neurocysticercosis and the Impact of Cysts on Epileptogenesis Using Interactive 3D Models. 2016 University of Illinois at Chicago Student Research Forum. Chicago, IL. April 12, 2016. (300 participants)
- Miyamoto, M., Lebowicz, L., Young, C., Milkowski, D., Featherstone, D. Developing a Virtual Lab to Teach Essential Laboratory Techniques Involved in Solution Preparation. 2015 University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 4, 2015. (200 participants)
- Bowen, J., Brennan, K., Lebowicz, L., Saul, T. Developing an Interactive, Personalized Anatomical Educational Experience for Public Spaces. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 4, 2015. (200 participants)
- Shaw, C., Leahy, T., Lebar, R., Corda, K., Tripathi, A., Borowski, J., Cha, Y., Lebowicz, L., Yudkowsky, R., Swirsky, E. Creating a Virtual Reality Aging Simulation for Medical Students Taking a Course on Geriatric Medicine. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 4, 2015. (200 participants)
- Hollis, J., Wellman, C., Lebowicz, L., Marquez, D. Cerebral Choreography: Visualizing the Neurological Processes of Dance & its Implications on Neuro-rehabilitation of Cognitive Impairments. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 4, 2015. (200 participants)
- Chandler, R., Lebowicz, L., Keilor, T., Brennan, K., Sereno, P. Digitally Reconstructing the Newly Discovered Pachycephalosauridae Species *Mykocephale*. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 4, 2015. (200 participants)
- Bond, S., Conrad, M., Natividad, E., Olson, S., Patel, P., Young, C., Lebowicz, L., Brennan, K. Animation and Interactive Media's Educational and Emotional Impact on Children with Cleft and Their Caregivers.

University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 4, 2015. (200 participants)

- Lamont, M., Brennan, K., Herrick, J., Lebowicz, L. Visualizing Neurocysticercosis and the Impact of Cysts on Epilepsy Using Interactive 3D Models. University of Illinois at Chicago, College of Applied Health Sciences Research Day. Chicago, IL. Nov. 4, 2015. (200 participants)
- Jones, C., Klein, L., Young, C., Mount, K., Hackett, S., Traumatic brain injury resistance in the woodpecker skull. Association of Medical Illustrators Annual Meeting. Rochester, MN. July 23, 2014. (75 participants)
- Richbourg, A., Orgel, J., Young, C, Brennan, K., Lebowicz, L. The use of 3D simulation and animation to further understanding of collagen I structure and the dynamic changes required for function. Association of Medical Illustrators Annual Meeting. Rochester, MN. July 23, 2014. (75 participants)
- Sojka, A., Young, C., Maizels, E., Brennan, K., Lebowicz, L. A Guide to the Visual Representation of G-Protein-Couple Receptors (GPCRs) for the Medical Illustration Community. Rochester, MN. July 23, 2014. (75 participants)
- Lebowicz, L., Daugherty J., Dixon S., Pescitelli, M. Visualizing Pharyngeal Arch Nerve Growth and Muscle Innervation During Human Embryological Development. Materialise Mimics Innovation Conference. Chicago, IL. May 15, 2014. (65 participants)
- O'Driscoll, C., Buckey, J.C., Swan, J., Hughes, D., Klein, L., St-Amand, J. A 3D Interactive for understanding ocular changes in spaceflight. Association of Medical Illustrators Annual Meeting. Salt Lake City, UT. July 17, 2013. (70 participants)
- Klein, L., Daugherty J., Dixon S., Pescitelli, M. Visualizing Pharyngeal Arch Nerve Growth and Muscle Innervation During Human Embryological Development. Association of Medical Illustrators Annual Meeting. Toronto, CA. July 26, 2012. (75 participants)

#### **Invited Workshops/Presentations:**

- Lebowicz, L. Effective Planning Workshop. The University of Illinois at Chicago, Biomedical Visualization Graduate Program. Chicago, IL. Sep. 7, 2017. (25 participants)
- Lebowicz, L. Guest lecturer: BVIS 500: Biomedical Visualization Techniques course, 3D Modeling Lecture. Chicago, IL. Fall, 2017. (22 participants)
- Lorenzo, C., Young, C., Kazlauskaitė, R., Hughes, D., Lebowicz, L. Analysis of Online Interactive Learning for Type 2 Diabetes Patients Utilizing the Dexcom G5 Continuous Glucose Monitor System. The Association of Medical Illustrators Annual Meeting. Austin, TX. July 26, 2017. (400 participants)
- Lebowicz, L. KeyShot Rendering: Photorealistic Renders in Minutes: Tech Showcase. The Association of Medical Illustrators Annual Meeting. Austin, TX. July 25, 2017. (200 participants)
- Raber, T., Lebowicz, L., Oto, A., Brennan, K., Hughes, D. An Interactive Application Incorporating 3D Models and 2D Illustrations for Enhanced Prostate MRI Training. The Association of Medical Illustrators Annual Meeting. Austin, TX. July 25, 2017. (400 participants)
- Raber, T., Lebowicz, L., Oto, A., Brennan, K., Hughes, D. An Interactive Application Incorporating 3D Models and 2D Illustrations for Enhanced Prostate MRI Training. Radiological Society of North America 102<sup>nd</sup> Scientific Assembly. Chicago, IL. Nov. 26- Dec. 2 2016. (1,000 participants)
- Lebowicz, L. Empowering Students in Learning Technology: Creating Troubleshooters and Problem Solvers. University of Illinois at Chicago 2016 TechTeach Conference. Chicago, IL. Nov. 15, 2016. (55 participants)

- Lebowicz, L., Bond, S. Materialise Mimics Lunch and Learn. Materialise Mimics Innovation Suite. Chicago, IL. September 29, 2016. (17 participants)
- Lebowicz, L. Guest lecturer: BVIS 500: Biomedical Visualization Techniques course, 3D Modeling Lecture. Chicago, IL. Fall, 2016. (20 participants)
- Lebowicz, L. 3D Photoshop: Everything You Need to Know to Get Started Workshop. The Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 20, 2016. (20 participants)
- Lebowicz, L. 3D Photoshop Essentials: Tech Showcase. The Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 20, 2016. (200 participants)
- Bond, S., Conrad, M., Natividad, E., Olson, S., Patel, P., Young, C., Lebowicz, L., Brennan, K. Animation and Interactive Media's Educational and Emotional Impact on Children with Cleft and Their Caregivers. American Cleft Palate-Craniofacial Association's 73<sup>rd</sup> Annual Meeting. Atlanta, GA. April 8, 2016. (350 participants)
- Lebowicz, L. Guest lecturer: BVIS 500: Biomedical Visualization Techniques course, 3D Modeling Lecture. Chicago, IL. Fall, 2015. (19 participants)
- Lebowicz, L. National Museum of Health and Medicine Chicago (NMH+MC): Visualization of Healthy and Diseased Organs from the Visible Human Male Exhibit. Chicago, IL. April 26, 2015. (20 participants)
- Lebowicz, L. Guest lecturer: BVIS 500: Biomedical Visualization Techniques course, 3D Modeling Lecture. Chicago, IL. Fall, 2014. (16 participants)
- Klein, L. Materialise Mimics Lunch and Learn. Materialise Mimics Innovation Suite. Chicago, IL. March 1, 2013. (10 participants)
- Klein, L. Vesalius Trust Scholars Session. The Association of Medical Illustrators Annual Meeting. Toronto, CA. July 26, 2012. (60 participants)

## **SERVICE:**

### **Biomedical Visualization Graduate Program, 2018 Admissions Committee**

- Committee member, Fall 2017-Spring 2018

### **University of Illinois at Chicago, Senate Educational Policy Committee**

- Committee Member, 2017- present

### **College of Applied Health Sciences, Faculty and Staff Giving Campaign Fundraising Committee**

- Committee Member, 2017- present

### **Association of Medical Illustrators Conference, Austin, TX**

- Salon Judge, July 2017

### **University of Illinois at Chicago, College of Medicine Scholars of Teaching Excellence Faculty Fellowship (STEFF) Advisory Board**

- Board Member, 2017- present

### **University of Illinois at Chicago, 2017 TechTeach Conference Planning Committee**

- Committee Member, 2017- present

### **University of Illinois at Chicago, 2017 Student Research Forum**

- Faculty Judge, Spring 2017

### **Biomedical Visualization Graduate Program, 2017 Admissions Committee**



- Committee member, Fall 2016-Spring 2017

**College of Applied Health Sciences, CPS High School Collaborative Planning Committee**

- Committee member, Dec. 2016-Jan. 2017

**Biomedical Visualization Graduate Program, 2016 Frank Armitage Lecture Series Planning Committee**

- Committee member, Spring 2016-Fall 2016

**College of Applied Health Sciences Community Engagement Committee**

- Committee member, Spring 2016-present

**Biomedical Visualization Graduate Program, 2014 Frank Armitage Lecture Series Planning Committee**

- Committee member, Spring 2014-Fall 2014

**University of Illinois at Chicago, 2016 Student Research Forum**

- Faculty Judge, Spring 2016

**Biomedical Visualization Graduate Program, 2016 Admissions Committee**

- Committee member, Fall 2015-Spring 2016

**College of Applied Health Sciences CE Day & Vivette R. Rifkin Lecture Planning Committee**

- Committee member, Nov. 2015- Apr. 2016

**University of Illinois at Chicago, Student Campus Organization: EPIC Adventist Campus Ministry**

- Faculty Advisor, Fall 2015- present

**College of Applied Health Sciences Diversity and Equity Committee**

- Committee member, Spring 2015-present

**Association of Medical Illustrators Conference, Rochester MN**

- Salon Judge, July 2014

**University of Illinois at Chicago, 2014 Student Research Forum**

- Faculty Judge, Spring 2014

**Biomedical Visualization Graduate Program, 2015 Admissions Committee**

- Committee member, Fall 2014-Spring 2015

**Biomedical Visualization Graduate Program, 2014 Frank Armitage Lecture Series Planning Committee**

- Committee member, Spring 2014- Fall 2014

**Association of Medical Illustrators, Artist's Rights Committee**

- Committee Member, 2013-2014

**Biomedical Visualization Graduate Program, 2014 Admissions Committee**

- Committee member, Fall 2013-Spring 2014

**Biomedical Visualization Graduate Program, 2013 Admissions Committee**

- Committee member, Fall 2012-Spring 2013

**PROFESSIONAL AFFILIATIONS:**

2016-present Association of American Anatomists (AAA)

2010-present Association of Medical Illustrators (AMI)

## **HONORS AND AWARDS:**

- 2018 Excalibur Award for Teaching Excellence. University of Illinois at Chicago, College of Applied Health Sciences Student Council, 2017.
- 2017-2018 Teaching Recognition Program (TRP) Award. University of Illinois at Chicago, Center for the Advancement of Teaching-Learning Communities, 2017.
- Fellow of Scholars for Teaching Excellence Faculty Fellowship (STEFF), University of Illinois at Chicago College of Medicine, 2017.
- First Prize Materialise Mimics Innovation Award, Open Category. Presented by Materialise Mimics Innovation Suite, 2013.
- Best Research Poster. Presented by the Vesalius Trust, The Association of Medical Illustrators, July 2012.
- Alice and Brian Katz Scholarship. Presented by the University of Illinois at Chicago's Biomedical Visualization program, May 2012.
- Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2012.

## **STUDENT AWARDS:**

- Yoshioka, N. Vesalian Scholar. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2018.
- Hayes, N. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2018.
- Hayes, S. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2018.
- Knipscher, L. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2018.
- Yoshioka, N. Travel Award for the 2018 Experimental Biology Annual Meeting. American Association of Anatomists, 2018.
- Yoshioka, N. Graduate Student Travel Award for the 2018 Human Anatomy and Physiology Society Conference, Human Anatomy & Physiology Society Conference, 2018.
- Yoshioka, N. Chancellor's Graduate Research Award, University of Illinois at Chicago, 2017.
- Sidorowych, C. First Prize Mimics Innovations Award: Americas Region. Presented by Materialise Mimics, 2017.
- Zumach, K. Award of Excellence. (Graphics Media: Natural Science Illustration). Presented by BioCommunications Association: BioImages Competition, 2017.
- Zumach, K. Best Student Entry. (Graphics Media: Natural Science Illustration). Presented by BioCommunications Association: BioImages Competition, 2017.

- Miyamoto, M. Selected for BioImages 2017 Salon. (Graphics Media: Natural Science Illustration). Presented by BioCommunications Association: BioImages Competition, 2017.
- Sidorowych, C. Selected for BioImages 2017 Salon. (Graphics Media: Natural Science Illustration). Presented by BioCommunications Association: BioImages Competition, 2017.
- Sidorowych, C. Selected for BioImages 2017 Salon. (Graphics Media: Natural Science Illustration). Presented by BioCommunications Association: BioImages Competition, 2017.
- Zumach, K. Selected for BioImages 2017 Salon. (Graphics Media: Medical Illustration). Presented by BioCommunications Association: BioImages Competition, 2017.
- Zumach, K. Selected for BioImages 2017 Salon. (Graphics Media: Natural Science Illustration). Presented by BioCommunications Association: BioImages Competition, 2017.
- Ng, E. Winner of People's Choice Award. Presented by National Science Foundation's Vizzies, 2017.
- Ng, E. Finalist (Poster/Graphics Category). Presented by National Science Foundation's Vizzies, 2017.
- Sidorowych, C. Finalist (Poster/Graphics Category). Presented by National Science Foundation's Vizzies, 2017.
- Zumach, K. Finalist (Poster/Graphics Category). Presented by National Science Foundation's Vizzies, 2017.
- Ng, E. Invited to Showcase Modeling Poster (Vizzies Submission). University of Illinois at Chicago's Legacies and Leaders event, 2017.
- Sidorowych, C. Invited to Showcase Modeling Poster (Vizzies Submission). University of Illinois at Chicago's Legacies and Leaders event, 2017.
- Zumach, K. Invited to Showcase Modeling Poster (Vizzies Submission). University of Illinois at Chicago's Legacies and Leaders event, 2017.
- Raber, T. Joyce McGill Scholarship Award. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2017.
- Lorenzo, C. Vesalian Scholar. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2017.
- Orland, A. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2017.
- Sidorowych, C. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2017.
- Sidorowych, C. Graduate Student Travel Award for the 2017 Human Anatomy and Physiology Society Conference, Human Anatomy & Physiology Society Conference, 2017.
- Raber, T. Chancellor's Graduate Research Award, University of Illinois at Chicago, 2016.
- Huttner, M. Award of Merit: Student Advertising and Promotional Category, Association of Medical Illustrators: Annual Meeting, 2016.
- Bond, S. Award of Merit: Student Interactive Category, Association of Medical Illustrators: Annual Meeting, 2016.

- Huttner, M. Modeling Poster Chosen as Journal, The Journal of Biological Chemistry Vol 291, Num 28, 2016.
- Shaw, C. Honorable Mention. NSF Graduate Research Fellowship Program, 2016.
- Olson, S. Vesalian Scholar. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2016.
- Shaw, C. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2016.
- Miyamoto, M. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2016.
- Lamont, M. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2016.
- Natividad, E. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2016.
- Shaw, C. First prize in the Art/Design/Humanities + Social Sciences for UIC graduate students, University of Illinois at Chicago Student Research Forum, 2016.
- Lamont, M. First prize in the Life Sciences category for UIC graduate students, University of Illinois at Chicago Student Research Forum, 2016.
- Chan, W. Winner of Expert's Choice Award (Poster/Graphics Category). Presented by National Science Foundation's Vizzies, 2016.
- Chan, W. Finalist (Poster/Graphics Category). Presented by National Science Foundation's Vizzies, 2015.
- Jones, C. Finalist (Video Category). Presented by National Science Foundation's Vizzies, 2015.
- Chan, W. Award of Excellence: Student Didactic/Instructional, Molecular and Biological & Life Sciences Category, Association of Medical Illustrators: Annual Meeting, 2015.
- Chan, W. Orville Parkes Best of Show Award: Still Media. Association of Medical Illustrators: Annual Meeting, 2015.
- Chan, W. Invited to Showcase Modeling Poster (Vizzies Submission). University of Illinois at Chicago's Legacies and Leaders event, 2015.
- Lee, M. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2015.
- Jones, C. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2014.

**APPENDIX A:**

**Courses Taught:**

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<u>Semester/Term</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Team Taught (Yes/No)</u>	<u>Required/ Selective/ Elective</u>	<u>Enrollment</u>
Summer 2012	BVIS 520	Advanced Imaging Applications	No	Selective	16
Fall 2012	BVIS 542	Computer Animation	Yes	Selective	12
Fall 2012	BVIS 596	Independent Study	No	Selective	1
Fall 2012	BVIS 596	Independent Study	No	Selective	1
Spring 2013	BVIS 540	Computer Visualization	No	Selective	20
Spring 2013	BVIS 596	Independent Study	No	Selective	1
Spring 2013	BVIS 596	Independent Study	No	Selective	1
Spring 2013	BVIS 596	Independent Study	No	Selective	1
Spring 2013	BVIS 596	Independent Study	No	Selective	1
Spring 2013	BVIS 596	Independent Study	No	Selective	1
Summer 2013	BVIS 520	Advanced Imaging Applications	No	Selective	12
Summer 2013	BVIS 596	Independent Study	No	Selective	1
Summer 2013	BVIS 596	Independent Study	No	Selective	1
Summer 2013	BVIS 596	Independent Study	No	Selective	1
Summer 2013	BVIS 596	Independent Study	No	Selective	1
Fall 2013	BVIS 596	Independent Study	No	Selective	1
Fall 2013	BVIS 597	Project Research	No	Required	3
Spring 2014	BVIS 540	Computer Visualization	No	Selective	18
Spring 2014	BVIS 596	Independent Study	No	Selective	1
Spring 2014	BVIS 596	Independent Study	No	Selective	1
Spring 2014	BVIS 596	Independent Study	No	Selective	1
Spring 2014	BVIS 596	Independent Study	No	Selective	1
Spring 2014	BVIS 597	Project Research	No	Required	3
Summer 2014	BVIS 520	Advanced Imaging Applications	No	Selective	17
Fall 2014	BVIS 505	Visual Learning & Visual Thinking I	Yes	Required	16
Fall 2014	BVIS 596	Independent Study	No	Selective	1
Fall 2014	BVIS 596	Independent Study	No	Selective	1
Fall 2014	BVIS 596	Independent Study	No	Selective	1
Fall 2014	BVIS 596	Independent Study	No	Selective	1
Fall 2014	BVIS 596	Independent Study	No	Selective	1
Fall 2014	BVIS 596	Independent Study	No	Selective	1
Fall 2014	BVIS 597	Project Research	No	Required	3
Spring 2015	BVIS 519	Modeling I	No	Selective	16
Spring 2015	BVIS 596	Independent Study	No	Selective	1
Spring 2015	BVIS 596	Independent Study	No	Selective	1
Spring 2015	BVIS 596	Independent Study	No	Selective	1
Spring 2015	BVIS 597	Project Research	No	Required	3
Fall 2015	BVIS 505	Visual Learning & Visual Thinking I	Yes	Required	19
Fall 2015	BVIS 596	Independent Study	No	Selective	1
Fall 2015	BVIS 596	Independent Study	No	Selective	1
Fall 2015	BVIS 597	Project Research	No	Required	3
Spring 2016	BVIS 519	Modeling I	No	Selective	18
Spring 2016	BVIS 594	Special Topics in Biomedical Visualization: Advanced ZBrush	No	Selective	10
Spring 2016	BVIS 597	Project Research	No	Selective	3
Summer 2016	BVIS 520	Modeling II	No	Selective	18
Summer 2016	BVIS 535	Visual Learning & Visual Thinking II	No	Selective	6
Summer 2016	BVIS 596	Independent Study	No	Selective	1
Summer 2016	BVIS 597	Project Research	No	Required	1
Fall 2016	BVIS 505	Visual Learning & Visual Thinking I	Yes	Required	19
Fall 2016	BVIS 596	Independent Study	No	Selective	1
Fall 2016	BVIS 596	Independent Study	No	Selective	1
Fall 2016	BVIS 596	Independent Study	No	Selective	1

Fall 2016	BVIS 596	Independent Study	No	Selective	1
Fall 2016	BVIS 597	Project Research	No	Required	3
Spring 2017	BVIS 519	Modeling I	No	Selective	19
Spring 2017	BVIS 521	Modeling III	No	Selective	13
Spring 2017	BVIS 596	Independent Study	No	Selective	1
Spring 2017	BVIS 596	Independent Study	No	Selective	1
Spring 2017	BVIS 596	Independent Study	No	Selective	1
Spring 2017	BVIS 597	Project Research	No	Required	3
Summer 2017	BVIS 520	Modeling II	No	Selective	18
Summer 2017	BVIS 535	Visual Learning & Visual Thinking II	No	Selective	16
Summer 2017	BVIS 596	Independent Study	No	Selective	1
Summer 2017	BVIS 597	Project Research	No	Required	2
Fall 2017	BVIS 505	Visual Learning & Visual Thinking I	Yes	Required	22
Fall 2017	BVIS 596	Independent Study	No	Selective	1
Fall 2017	BVIS 596	Independent Study	No	Selective	1
Fall 2017	BVIS 596	Independent Study	No	Selective	1
Fall 2017	BVIS 596	Independent Study	No	Selective	1
Fall 2017	BVIS 596	Independent Study	No	Selective	1
Fall 2017	BVIS 597	Project Research	No	Required	3
Spring 2018	BVIS 519	Modeling I	No	Selective	22
Spring 2018	BVIS 521	Modeling III	No	Selective	11
Spring 2018	BVIS 596	Independent Study	No	Selective	1
Spring 2018	BVIS 596	Independent Study	No	Selective	1
Spring 2018	BVIS 597	Project Research	No	Required	3

### Summary of Student Evaluations of Faculty Teaching\*

\*Average of student's ratings of the "Overall Teaching Effectiveness" (or equivalent) of the candidate on a scale of 5 (Excellent) to 1 (Poor). SD= standard deviation; n= number of students who rated the candidate in that course; N= total number of students in that course.

<u>Semester/Term</u>	<u>Course Number</u>	<u>Course Title</u>	<u>Student Rating</u>	<u>±SD</u>	<u>n</u>	<u>N</u>
Summer 2012	BVIS 520	Advanced Imaging Applications	4.89	0.35	15	16
Fall 2012	BVIS 542	Computer Animation	4.47	0.79	11	12
Spring 2013	BVIS 540	Computer Visualization	4.20	1.15	17	20
Summer 2013	BVIS 520	Advanced Imaging Applications	4.79	0.38	13	13
Spring 2014	BVIS 540	Computer Visualization	5.00	0	18	18
Summer 2014	BVIS 520	Advanced Imaging Applications	4.94	0.24	17	17
Fall 2014	BVIS 505	Visual Learning & Visual Thinking I	4.00	0.87	9	16
Spring 2015	BVIS 519	Modeling I	4.33	1.32	9	16
Fall 2015	BVIS 505	Visual Learning & Visual Thinking I	4.86	0.38	7	19
Spring 2016	BVIS 519	Modeling I	4.94	0.24	17	18
Spring 2016	BVIS 594	Special Topics in Biomedical Visualization: Advanced ZBrush	4.78	0.44	9	10
Summer 2016	BVIS 520	Modeling II	4.94	0.24	18	18
Summer 2016	BVIS 535	Visual Learning & Visual Thinking II	5.00	0	6	6
Fall 2016	BVIS 505	Visual Learning & Visual Thinking I	4.94	0.24	18	19
Spring 2017	BVIS 519	Modeling I	5.00	0	18	19
Spring 2017	BVIS 521	Modeling III	4.91	0.30	11	13
Summer 2017	BVIS 520	Modeling II	5.00	0	17	18
Summer 2017	BVIS 535	Visual Learning & Visual Thinking II	5.00	0	10	16
Fall 2017	BVIS 505	Visual Learning & Visual Thinking I	4.87	0.35	15	22
Spring 2018	BVIS 519	Modeling I	5.00	0	21	22
Spring 2018	BVIS 521	Modeling III	5.00	0	11	11

## Student Advising and Supervision:

### Undergraduate Students:

<u>Name of Student</u>	<u>Beginning &amp; Completion Dates</u>	<u>Degree</u>	<u>Thesis Title</u>	<u>Role</u>
Beltran, B.	August 2013- May 2018	B.S	When Did Students Stop Needing Picture Books? Visuals in Biology Education: A Reflection on the Relationship Between Visuals and Student Learning.	Capstone Supervisor (Honor's College Capstone)

### Graduate Students:

<u>Name of Student</u>	<u>Beginning &amp; Completion Dates</u>	<u>Degree</u>	<u>Thesis Title</u>	<u>Role</u>
Jones, C.	August 2012- May 2014	M.S.	Visualizing Adaptations in the Woodpecker's Skull Which Confer Traumatic Brain Injury  <b>*Recipient of a 2014 Vesalius Trust Research Grant</b>  <b>* Finalist (Video Category) National Science Foundation's Vizzies</b>	Committee Chair
Ducker, R.	August 2012- May 2014	M.S.	Developing a Method for Linking Animation and Rapid Prototyping to Visualize Anatomy of the Spinal Column for Museum Display	Committee Chair
Johnston, C.	August 2012- May 2014	M.S.	The Effectiveness of 3D Animation in Medical Students' Understanding of Diagnostic Procedures of the Shoulder	Committee Chair
Menken, D.	August 2012- May 2014	M.S.	Visualizing Newly Discovered Neural Pathways in the Lamprey Brain	Committee Member
Parmley, J.	August 2012- May 2014	M.S.	Development of a 2-Dimensional Interactive to Educate Museum Patrons About Spinal Cord Injuries and Their Relationship to Function Loss	Committee Member
Richbourg, A.	August 2012- May 2014	M.S.	Interact with Collagen	Committee Member
Upchurch, M.	August 2012- May 2014	M.S.	Molecular Database Infrastructures and Visualization of Molecular Data	Committee Member
Kalinoski, L.	August 2012- May 2014	M.S.	Visualizing Clinical Diagnostic Tests of the Wrist Joint	Committee Member
Yost, K.	August 2012- May 2014	M.S.	Visualization of Stability Tests in Knee Ligament Injuries As an Aid to Medical Education	Committee Member
Buckner, A.	August 2012-	M.S.	Anatomical Education to Prevent Gun Violence:	Committee Member

	December 2014		Illustrating Gunshot Wounds to Accurately Depict the Seriousness of the Injuries	
Padilla, E.	August 2013-Spring 2015	M.S.	Three-Dimensional Reconstruction of Human Paleontological Remains	Committee Chair
Henning, K.	August 2013-May 2015	M.S.	Visualization and Stature Estimation of a Mid-Holocene Male Skeleton Using Biomedical Animation Techniques	Committee Chair
Lee, M.	August 2013-May 2015	M.S.	Visualizing the Development of Upper and Lower Limbs and its Dermatome Map During Human Embryological Weeks 4-8  <b>*Recipient of a 2015 Vesalius Trust Research Grant</b>  <b>* Finalist in the still image category for Human Embryo Stage 18 (UIC Image of Research Competition)</b>	Committee Chair
Tessler, J.	August 2013-May 2015	M.S.	Exploring Greyscale 3D Modeling Techniques in Surgical Illustration	Committee Member
Hoffman, M.	August 2013-May 2015	M.S.	Visualizing the Effectiveness of Neurofeedback Therapies for Treatment of Traumatic Brain Injury	Committee Member
Shonk, R.	August 2013-May 2015	M.S.	Reconstructing TyrantCroc  <b>* Second place in the moving image category with his animation, TyrantCroc: A Reconstruction (UIC Image of Research Competition)</b>	Committee Member
Vinaja, X.	August 2013-May 2015	M.S.	The Life and Work of Craig Gosling: Creating a Biography of the Artist and a Digital Archive of Selected Works Donated to the University of Illinois Department of Biomedical Visualization	Committee Member
Green, K.	August 2013-May 2015	M.S.	Development of a 3-D virtual Environment to Assist in Upper Limb Rehabilitation of Stroke Victims	Committee Member
Teztlaff, K.	August 2013-May 2015	M.S.	Transgender/Gender-Variant Specific Health Care Information	Committee Member
Wampler, M.	August 2013-May 2015	M.S.	3D Modeling in Augmented Reality Proctor for Training Invasive Surgical Procedures	Committee Member
Ku, R.	August 2013-May 2015	M.S.	How Do the Applications in Architecture Design Help Visualize the Structure and Function of Lung Tissues	Committee Member
Shaw, C.	August 2014-May 2016	M.S.	We Are Alfred: Creating an interactive case study in virtual reality to teach medical students about the aging experience.  <b>*Recipient of a 2016 Vesalius Trust Research Grant</b>	Committee Chair



			<b>* First prize in the Art/Design/Humanities + Social Sciences category for UIC graduate students for her research poster (2016 UIC Student Research Forum)</b>	
Chandler, R.	August 2014-May 2016	M.S.	Digitally Reconstructing the Newly Discovered Species <i>Mykocephale</i>	Committee Chair
Miyamoto, M.	August 2014-August 2016	M.S.	Developing a Virtual Lab to Teach Essential Laboratory Techniques Involved in Solution Preparation  <b>*Recipient of a 2016 Vesalius Trust Research Grant</b>	Committee Chair
Bond, S.	August 2014-May 2016	M.S.	University of Illinois Craniofacial Center, Cleft Lip and Cleft Palate Deformities Educational Media: Interactive Media vs. Linear Storytelling of an Animation	Committee Member
Conrad, M.	August 2014-May 2016	M.S.	University of Illinois Craniofacial Center, Cleft Lip and Cleft Palate Deformities Educational Media: Recall Memory and Confidence	Committee Member
Natividad, E.	August 2014-May 2016	M.S.	University of Illinois Craniofacial Center, Cleft Lip and Cleft Palate Deformities Educational Media: Designing with Multi-Cultural Sensitivity  <b>*Recipient of a 2016 Vesalius Trust Research Grant</b>	Committee Member
Olson, S.	August 2014-May 2016	M.S.	University of Illinois Craniofacial Center, Cleft Lip and Cleft Palate Deformities Educational Media: Patient Education Approach  <b>*Recipient of a 2016 Vesalius Trust Research Scholar Grant</b>	Committee Member
Lamont, M.	August 2014-May 2016	M.S.	Visualizing Neurocysticercosis and the Impact of Cysts on Epileptogenesis Using Interactive 3D Models  <b>*Recipient of a 2016 Vesalius Trust Research Grant</b>  <b>* First prize in the Life Sciences category for UIC graduate students for her research poster (2016 UIC Student Research Forum)</b>	Committee Member
Cote, C.	August 2014-May 2016	M.S.	Developing an Interactive eBook to Visualize the Genetic Replication and Reassortment of the Avian Influenza A Virus	Committee Member
Hollis, J.	August 2014-	M.S.	Cerebral Choreography: An Exhibition on the	Committee Member

	August 2016		Synergy of Technology, Dance, and Medicine	
Bowen, J.	August 2014- May 2016	M.S.	Developing an Interactive Augmented Reality Human Anatomy Display for Public Spaces	Committee Member
Raber, T.	August 2015- May 2017	M.S.	Combining 3D models, 2D illustrations and Magnetic Resonance Imaging (MRI) Data in an interactive application to aid in the visualization, interpretation and detection of prostate cancer.  <b>*Recipient of a 2016 UIC Chancellor's Research Award</b>  <b>*Recipient of a 2017 Vesalius Trust Joyce McGill Scholarship Award</b>	Committee Chair
Sidorowych, C.	August 2015- August 2017	M.S.	Visualizing Human Embryonic Development of the Heart's Outflow Tract  <b>*Recipient of a 2017 Vesalius Trust Research Grant</b>  <b>*Recipient of a Graduate Student Travel Award for the 2017 Human Anatomy and Physiology Society Conference</b>  <b>*Recipient of a 2017 Materialise Mimics Innovation Award: First Prize for Americas Region</b>	Committee Chair
Ford, N.	August 2015- July 2017	M.S.	Creating Educational Materials to Increase Involvement in WIC's (Women, Infants, and Children) Food Program	Committee Chair
Ulm, A.	August 2015- May 2017	M.S.	Visualizing the masticatory muscle attachment and architecture of <i>Cavia porcellus</i>	Committee Member
Mason, J.	August 2015- May 2017	M.S.	Developing an Interactive 3D Learning Experience to Help Students Understand Key Biological Concepts Associated with Cellular Respiration	Committee Member
Ou, E.	August 2015- <i>Expected Fall 2018</i>	M.S.	Unity Ultrasound-Guided Cannulation Educational Simulator	Committee Member
Michaels, C.	August 2015- July 2017	M.S.	A Dynamic Representation of the Endothelial Surface Layer (ESL) During Inflammation in the Lung: A 3D Animation of the Current Research	Committee Member
Lorenzo, C.	August 2015- May 2017	M.S.	Analysis of web-based patient education for type 2 diabetes patients utilizing the Dexcom G5® Continuous Glucose Monitor System  <b>*Recipient of a 2017 Vesalius Trust Research Grant</b>	Committee Member
Huttner, M.	August 2015- May 2017	M.S.	Can medical animation effectively communicate the etiology of depression in a way to increase mental health literacy, while decreasing overall stigma in college students?	Committee Member

Zumach, K.	August 2015- May 2017	M.S.	Animating the 3D reconstruction of <i>Eosquama mongoliensis</i> for rediagnosis in the squamate phylogeny	Committee Member
Hayes, S.	August 2015- May 2018	M.S.	3D Haptic Virtual Model of the Neonatal Chest for Simulation of Chest Tube Insertion  <b>*Recipient of a 2018 Vesalius Trust Research Grant</b>	Committee Member
Orland, A.	August 2015- May 2017	M.S.	Animating external magnetic guidance of intrathecally delivered gold-coated nanoparticles to treat intramedullary spinal tumors  <b>*Recipient of a 2017 Vesalius Trust Research Grant</b>	Committee Member
Andreas, E.	August 2016- May 2018	M.S.	An Educational Interactive Tool Normalizing Postpartum Depression and Increasing Help-Seeking Behavior	Committee Chair
Cloninger, K.	August 2016- May 2018	M.S.	Developing a Learner-Centered 3D Application to Teach Craniofacial Spaces and Odontogenic Pathways of Infection	Committee Chair
Jones, R.	August 2016- May 2018	M.S.	Design of a 3-D Model Visualizing the Pathways of Infection to Improve Low Spatial Ability in Students	Committee Chair
Chai, E.	August 2016- May 2018	M.S.	Developing a Web-based E-learning Tool with Interactive 3D Modeling for Speculum Pelvic Examination Education	Committee Member
Greenhill, K.	August 2016- May 2018	M.S.	Creating common ground: A medical visualization tool to aid physician/family communication in a Medical Intensive Care Unit setting	Committee Member
Hayes, N.	August 2016- May 2018	M.S.	Adapting a Haptic Motor-Skill Simulator to Include 3D Histology and Supporting Information Architecture  <b>*Recipient of a 2018 Vesalius Trust Research Grant</b>	Committee Member
Hughes, S.	August 2016- May 2018	M.S.	Evaluating the effectiveness of a prediabetes treatment decision aid presented as a series of infographics	Committee Member
Knipscher, E.	August 2016- May 2018	M.S.	Gaming for stroke rehabilitation: Creating an engaging experience  <b>*Recipient of a 2018 Vesalius Trust Research Grant</b>	Committee Member

Milman, E.	August 2016- May 2018	M.S	Visualization of an Australopithecus afarensis specimen: Implications for functional foot anatomy	Committee Member
Moss, E.	August 2016- May 2018	M.S	Visualizing Transendothelial Migration of Leukocytes through the Lateral Border Recycling Compartment	Committee Member
Schmitz, A.	August 2016- <i>Expected August 2018</i>	M.S	Spatial visualization in anatomy and serious video games	Committee Member
Yoshioka, N.	August 2016- May 2018	M.S	Temporal Visualization of Body Cavity Partitioning: An interactive timeline  <b>*Recipient of a 2018 Vesalian Scholar Award</b>  <b>*Recipient of a Travel Award for the 2018 Experimental Biology Annual Meeting</b>  <b>*Recipient of a Graduate Student Travel Award for the 2018 Human Anatomy and Physiology Society Conference</b>  <b>*Recipient of a 2017 UIC Chancellor's Research Award</b>	Committee Member
Garr, C.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Chair
Luo, Z.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Chair
Selagea, A.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Chair
David, C.	August 2017- <i>Expected May 2019</i>	M.S	TBD	Committee Member
Mansur, C.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Member
Price, L.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Member
Quattrochi, S.	August 2017- <i>Expected May 2019</i>	M.S	TBD	Committee Member
Schill, A.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Member
Romero-Calvo, I.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Member
Weihe, L.	August 2017- <i>Expected May 2019</i>	M.S.	TBD	Committee Member

### M.S. Biomedical Visualization Degree Advisor

<u>Name of Student</u>	<u>Degree</u>	<u>Date of Graduation</u>	<u>Role</u>
Fulford, V.	M.S.	Spring 2015	M.S. Degree Advisor
Gayle, D.	M.S.	Spring 2015	M.S. Degree Advisor
Green, K.	M.S.	Spring 2015	M.S. Degree Advisor
Henning, K.	M.S.	Spring 2015	M.S. Degree Advisor
Hoffman, M.	M.S.	Spring 2015	M.S. Degree Advisor
Hsu, G.	M.S.	Spring 2015	M.S. Degree Advisor
Bond, S.	M.S.	Spring 2016	M.S. Degree Advisor
Bowen, J.	M.S.	Spring 2016	M.S. Degree Advisor
Chan, W.	M.S.	Spring 2016	M.S. Degree Advisor
Chandler, R.	M.S.	Spring 2016	M.S. Degree Advisor
Conrad, M.	M.S.	Spring 2016	M.S. Degree Advisor
Blumer, P.	M.S.	Spring 2017	M.S. Degree Advisor
Fast, J.	M.S.	Summer 2017	M.S. Degree Advisor
Ford, N.	M.S.	Summer 2017	M.S. Degree Advisor
Hayes, S.	M.S.	Spring 2018	M.S. Degree Advisor
Huttner, M.	M.S.	Spring 2017	M.S. Degree Advisor
Ladesic, K.	M.S.	<i>Withdrew from program</i>	M.S. Degree Advisor
Lorenzo, C.	M.S.	Spring 2017	M.S. Degree Advisor
Jones, R.	M.S.	Spring 2018	M.S. Degree Advisor
Kief, E.	M.S.	Spring 2018	M.S. Degree Advisor
Kim, A.	M.S.	<i>Expected Fall 2018</i>	M.S. Degree Advisor
Knipscher, E.	M.S.	Spring 2018	M.S. Degree Advisor
Milman, E.	M.S.	Spring 2018	M.S. Degree Advisor
Moss, E.	M.S.	Spring 2018	M.S. Degree Advisor
Price, L.	M.S.	<i>Expected Spring 2019</i>	M.S. Degree Advisor
Quattrocki, S.	M.S.	<i>Expected Spring 2019</i>	M.S. Degree Advisor
Revette, L.	M.S.	<i>Expected Spring 2019</i>	M.S. Degree Advisor

Schill, A.	M.S.	<i>Expected Spring 2019</i>	M.S. Degree Advisor
Schmidt, K.	M.S.	<i>Expected Spring 2020</i>	M.S. Degree Advisor
Selagea, A.	M.S.	<i>Expected Spring 2019</i>	M.S. Degree Advisor
Weihe, L.	M.S.	<i>Expected Spring 2019</i>	M.S. Degree Advisor