

CURRICULUM VITAE

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

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CURRENT POSITIONS:

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

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

FACULTY POSITIONS

2012-2013 *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

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:

- 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., Buckley, 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:

- 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 102nd 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)
- 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 73rd 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, 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:

- 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:

- 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.
- Raber, T. Chancellor's Graduate Research Award, University of Illinois at Chicago, 2016.
- Sidorowych, C. Graduate Student Travel Award for the 2017 Human Anatomy and Physiology Society Conference, Human Anatomy & Physiology Society Conference, 2017.
- 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, 2016 University of Illinois at Chicago 2016 Student Research Forum.
- Lamont, M. First prize in the Life Sciences category for UIC graduate students, 2016 University of Illinois at Chicago 2016 Student Research Forum.
- 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:

<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	2
Spring 2013	BVIS 540	Computer Visualization	No	Selective	20
Spring 2013	BVIS 596	Independent Study	No	Selective	5
Summer 2013	BVIS 520	Advanced Imaging Applications	No	Selective	12
Summer 2013	BVIS 596	Independent Study	No	Selective	4
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	4
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	6
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	3
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	2
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	4
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	3
Spring 2017	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

Graduate Student Advising and Supervision:

M.S. Candidates

<u>Name of Student</u>	<u>Beginning & 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 *Recipient of a 2014 Vesalius Trust Research	Committee Chair

			Grant	
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
Kalinowski, 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- December 2014	M.S.	Anatomical Education to Prevent Gun Violence: Illustrating Gunshot Wounds to Accurately Depict the Seriousness of the Injuries	Committee Member
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 *Recipient of a 2015 Vesalius Trust Research Grant * Finalist in the still image category for Human Embryo Stage 18 (UIC Image of Research Competition)	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 * Second place in the moving image category	Committee Member

			with his animation, TyrantCroc: A Reconstruction (UIC Image of Research Competition)	
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. *Recipient of a 2016 Vesalius Trust Research Grant * First prize in the Art/Design/Humanities + Social Sciences category for UIC graduate students for her research poster (2016 UIC Student Research Forum)	Committee Chair
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 *Recipient of a 2016 Vesalius Trust Research Grant	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	Committee Member

			*Recipient of a 2016 Vesalius Trust Research Grant	
Olson, S.	August 2014-May 2016	M.S.	University of Illinois Craniofacial Center, Cleft Lip and Cleft Palate Deformities Educational Media: Patient Education Approach *Recipient of a 2016 Vesalius Trust Research Scholar Grant	Committee Member
Lamont, M.	August 2014-May 2016	M.S.	Visualizing Neurocysticercosis and the Impact of Cysts on Epileptogenesis Using Interactive 3D Models *Recipient of a 2016 Vesalius Trust Research Grant * First prize in the Life Sciences category for UIC graduate students for her research poster (2016 UIC Student Research Forum)	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-August 2016	M.S.	Cerebral Choreography: An Exhibition on the Synergy of Technology, Dance, and Medicine	Committee Member
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- <i>Expected May 2017</i>	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. *Recipient of a 2016 UIC Chancellor's Research Award *Recipient of a 2017 Vesalius Trust Joyce McGill Scholarship Award	Committee Chair
Sidorowych, C.	August 2015- <i>Expected May 2017</i>	M.S.	Visualizing Human Embryonic Development of the Heart's Outflow Tract *Recipient of a 2017 Vesalius Trust Research Grant *Recipient of a Graduate Student Travel Award for the 2017 Human Anatomy and Physiology Society Conference	Committee Chair
Ford, N.	August 2015- <i>Expected May 2017</i>	M.S.	Creating Educational Materials to Increase Involvement in WIC's (Women, Infants, and Children) Food Program	Committee Chair

Ulm, A.	August 2015- <i>Expected May 2017</i>	M.S.	Visualizing the masticatory muscle attachment and architecture of <i>Cavia porcellus</i>	Committee Member
Mason, J.	August 2015- <i>Expected May 2017</i>	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 May 2017</i>	M.S.	Application for Better Embryology Education: Human Embryology Media Index (HEMI)	Committee Member
Michaels, C.	August 2015- <i>Expected May 2017</i>	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- <i>Expected May 2017</i>	M.S.	Analysis of web-based patient education for type 2 diabetes patients utilizing the Dexcom G5® Continuous Glucose Monitor System *Recipient of a 2017 Vesalius Trust Research Grant	Committee Member
Huttner, M.	August 2015- <i>Expected May 2017</i>	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- <i>Expected May 2017</i>	M.S.	Animating the 3D reconstruction of <i>Eosquama mongoliensis</i> for rediagnosis in the squamate phylogeny.	Committee Member
Hayes, S.	August 2015- <i>Expected May 2017</i>	M.S.	TBD	Committee Member
Orland, A.	August 2015- <i>Expected May 2017</i>	M.S.	Animating external magnetic guidance of intrathecally delivered gold-coated nanoparticles to treat intramedullary spinal tumors *Recipient of a 2017 Vesalius Trust Research Grant	Committee Member
Andreas, E.	August 2016- <i>Expected May 2018</i>	M.S.	TBD	Committee Chair
Cloninger, K.	August 2016- <i>Expected May 2018</i>	M.S.	TBD	TBD
Jones, R.	August 2016- <i>Expected May 2018</i>	M.S.	TBD	Committee Chair
Chai, E.	August 2016- <i>Expected May 2018</i>	M.S.	TBD	Committee Member

Greenhill, K.	August 2016- <i>Expected May 2018</i>	M.S	TBD	Committee Member
Hayes, N.	August 2016- <i>Expected May 2018</i>	M.S	TBD	Committee Member
Hughes, S.	August 2016- <i>Expected May 2018</i>	M.S	TBD	Committee Member
Knipscher, E.	August 2016- <i>Expected May 2018</i>	M.S	TBD	Committee Member
Milman, E.	August 2016- <i>Expected May 2018</i>	M.S	TBD	Committee Member
Moss, E.	August 2016- <i>Expected May 2018</i>	M.S	TBD	Committee Member
Schmitz, A.	August 2016- <i>Expected May 2018</i>	M.S	TBD	Committee Member
Yoshioka, N.	August 2016- <i>Expected May 2018</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.	<i>Expected Spring 2017</i>	M.S. Degree Advisor
Fast, J.	M.S.	<i>Expected Spring 2017</i>	M.S. Degree Advisor
Ford, N.	M.S.	<i>Expected Spring 2017</i>	M.S. Degree Advisor
Hayes, S.	M.S.	<i>Expected Spring 2017</i>	M.S. Degree Advisor
Huttner, M.	M.S.	<i>Expected Spring 2017</i>	M.S. Degree Advisor
Ladesic, K.	M.S.	<i>Expected Spring 2017</i>	M.S. Degree Advisor
Lorenzo, C.	M.S.	<i>Expected Spring 2017</i>	M.S. Degree Advisor
Jones, R.	M.S.	<i>Expected Spring 2018</i>	M.S. Degree Advisor
Kief, E.	M.S.	<i>Expected Spring 2018</i>	M.S. Degree Advisor
Kim, A.	M.S.	<i>Expected Spring 2018</i>	M.S. Degree Advisor
Knipscher, E.	M.S.	<i>Expected Spring 2018</i>	M.S. Degree Advisor
Milman, E.	M.S.	<i>Expected Spring 2018</i>	M.S. Degree Advisor
Moss, E.	M.S.	<i>Expected Spring 2018</i>	M.S. Degree Advisor