

Curriculum Vitae of Sam Bond, MS, CMI

August 1, 2018

MS Biomedical Visualization
College of Applied Health Sciences
University of Illinois at Chicago
1919 W. Taylor St., Room 433, Chicago, IL 60612
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CURRENT POSITION:

July 2016 - Present *Visiting Clinical Assistant Professor*, University of Illinois at Chicago
Department of Physical Therapy
Department of Biomedical and Health Information Sciences

EDUCATION

Aug. 2014 - May 2016 University of Illinois at Chicago, Masters of Science in Biomedical Visualization
Aug. 2010 - May 2014 University of Georgia, Bachelors of Fine Arts in Scientific Illustration

CERTIFICATIONS

July 2018 Certified Medical Illustrator, Association of Medical Illustrators Board of Certification
September 2017 Unity Certified Developer, Unity Education Board of Certification

TEACHING

See Appendix A.

RESEARCH/ACADEMIC PUBLICATIONS

Arena R., Daugherty J., **Bond S.**, Lavie C.J., Phillips, S., Borghi-Silva A. (2016). The combination of obesity and hypertension: a highly unfavorable phenotype requiring attention. *Current Opinion in Cardiology*. 31(4), 394-401.

Pinkstaff S., Burger C., 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*. doi: 10.1586/17476348.2016.1144475

Arena R., Lavie C.J., Borghi-Silva A., Daugherty J., **Bond S.**, Phillips S.A., 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

Parto, P., Lavie, C. J., Arena, R., **Bond, S.**, Popovic, D., & Ventura, H. O. (2016). Body habitus in heart failure: understanding the mechanisms and clinical significance of the obesity paradox. *Future Cardiology*, 12(6), 639-653.

Courtney C.A., Fernandez-de-las-Peñas C., **Bond S.** (2017). Mechanisms of chronic pain - key considerations for appropriate physical therapy management. *Journal of Manual & Manipulative Therapy*, 1-10.

RESEARCH/ACADEMIC PRESENTATIONS

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).

Bond S. Materialise Mimics Lunch and Learn. Materialise Mimics Innovation Suite. Chicago, IL. September 29, 2016. (28 participants).

Bond S. Association of Medical Illustrators Conference. University of Texas at Austin, 20-minute speaker. Game-Based Learning and Education. Austin, TX. July 26, 2017. (350 participants).

Bond S. SciViz.NYC Conference 10-minute speaker. Seeing Data with Data: Building a Mobile App for Cardiac Color Calculation. Icahn School of Medicine at Mt. Sinai. New York City, NY. December 1, 2017. (85 participants).

Poster Sessions

Mason J., Lebowicz L., Bond S., Brennan K. Developing an Interactive 3D Learning Experience to Help Students Understand Key Regulatory Processes Associated with Glycolysis. 2017 University of Illinois at Chicago Student Research Forum. Chicago, IL. April 3rd, 2017. (300 participants).

Sidorowych C., Lebowicz L., Brennan K., Daugherty J., Bond S., Ross C., Cotanche D. Visualization Embryonic Development of the Heart's Outflow Tract. 2017 University of Illinois at Chicago Student Research Forum. Chicago, IL. April 3rd, 2017. (300 participants).

Mason J., Lebowicz L., Bond S., Brennan K. Developing an Interactive 3D Learning Experience to Help Students Understand Key Regulatory Processes Associated with Glycolysis. UIC College of Applied Health Sciences Research Day Chicago, IL. November 16, 2016. (150 participants).

Sidorowych C., Lebowicz L., Brennan K., Daugherty J., Bond S., Ross C., Cotanche D. Visualization Embryonic Development of the Heart's Outflow Tract. UIC College of Applied Health Sciences Research Day. Chicago, IL. November 16, 2016. (150 participants).

Bond S., Patel P., Young C., Lebowicz L., Brennan K. Media Delivery Analysis in Cleft Palate Patient and Caregiver Education. Association of Medical Illustrators Annual Meeting. Atlanta, GA. July 22, 2016. (40 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)

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)

SERVICE

University of Illinois at Chicago, College of Applied Health Sciences Community Engagement Committee
Committee Member, Spring 2017 - present

Department of Physical Therapy, HealthPark @ Grant Park Planning Committee
Committee Member/Contributing artist, Summer 2016 - present

Association of Medical Illustrators, Social Media Committee
Committee Member/Facebook Contributor, January 2017 - present

Association of Medical Illustrators, Web Committee
Committee Member, May 2016 - present

Association of Medical Illustrators, UIC Journal of Biocommunications (JBC) Board
JBC Advisor, January 2017 - present

Association of Medical Illustrators, Association PR Committee
Social media contributor and committee member, December 2016 - present

University of Illinois at Chicago, 2017 Student Research Forum
Faculty Judge, Spring 2017

Biomedical Visualization program Frank Armitage Lecture Series Planning Committee
Committee Member, Fall 2016

University of Illinois Biomedical Visualization Malcolm X College Teen Careers in Science and Medicine Fair
Speaking Panelist

PROFESSIONAL MEMBERSHIPS

Association of Medical Illustrators. January 2015 - Present

International Game Developers Association. December 2016 - Present

AWARDS

Jan. 2017 International Game Developers Association Foundation, 2017 Women in Games Ambassador

July 2016 Honorable Mention for Research Poster Presentation at the 2016 AMI Salon for *“Media Delivery Analysis in Cleft Palate Patient and Caregiver Education”*

May 2016 Award of Merit in the Student Interactive category at the 2016 AMI Salon

Aug. 2015 Chancellor’s Student Service and Leadership Award

May 2014 University of Illinois at Chicago, Biomedical Visualization Board of Trustees Tuition Waiver

Dec. 2013 University of Georgia Student Leadership Association Awardee

Dec. 2013 Betty Cabin Memorial Scholarship for Scientific Illustration

STUDENT AWARDS

July 2017 Knipscher, E. Opsonization, Award of Merit in Student Interactives, Association of Medical Illustrators Conference 2018. Presented by the Association of Medical Illustrators.

Jan. 2017 Sidorowych, C. Vesalius Trust Research Grant. Presented by the Vesalius Trust, The Association of Medical Illustrators, 2016.

July 2017 Raber, T. ColorVision VR. Award of Excellence in Student Interactives, Association of Medical Illustrators Conference 2018. Presented by the Association of Medical Illustrators.

APPENDIX A

Courses Taught

Semester/Term	Course No.	Course Title	Team Taught (Y/N)	Required/ Elective/ Selective	Enrollment
Fall 2016	BVIS594	Special Topics in Interactive Visualization I	No	Selective	7
Spring 2017	BVIS 594	Special Topics in Interactive Visualization II	No	Selective	4
Summer 2017	BVIS 518	Web Development	No	Required	21
Fall 2017	BVIS 594	Special Topics in Interactive Visualization I	No	Selective	15
Fall 2017	PT 694	Visual Note-taking for Gross Anatomy	No	Elective	10

Spring 2018	BVIS 594	Special Topics in Interactive Visualization I	No	Selective	10
Spring 2018	PT 694	Visual Note-taking for Neuroanatomy	No	Elective	5
Spring 2018	BVIS 594	Special Topics in 360 Animation	Yes	Selective	7

Guest Lectures

Semester/Term	Course No.	Course Title	Team Taught (Y/N)	Required/ Elective/ Selective	Enrollment
Fall 2016, 2 weeks	BVIS 500	Techniques in Biomedical Visualization	No	Required	19
Fall 2017, 2 weeks	BVIS 500	Techniques in Biomedical Visualization	No	Required	21
Spring 2018, 1 week	PT 542	Health Communication and Content Marketing	No	Elective	N/A

Graduate Student Research

Student Name	Dates	Degree	Thesis Title	Role
Mason, J.	August 2015 - May 2017	MS	Developing an Interactive 3D Learning Experience to Help Students Understand Key Regulatory Processes Associated with Glycolysis	Committee Member
Sidorowych, C.	August 2015 - August 2017	MS	Visualizing Embryonic Development of the Heart's Outflow Tract	Committee Member
Weiss, E.	August 2015 - May 2017	MS	Visualizing the Protein Interactions Involved in the Synaptic Vesicle Exocytosis via 3D Animation	Committee Member
Jones, J.	August 2016 - May 2018	MS	Design of a 3D Model Visualizing the Pathways of Infection for Students with Low Spatial Ability to Improve Anatomical Knowledge	Committee Member
Cloninger, K.	August 2016 - May 2018	MS	Developing a Learner-Centered 3D Application to Teach Craniofacial Spaces and Odontogenic Pathways of Infection	Committee Member

Greenhill, K.	August 2016 - May 2018	MS	Creating Common Ground: A medical visualization tool to aid physician/family communication in ICU settings	Committee Member
Knipscher, E.	August 2016 - May 2018	MS	Gaming for Stroke Rehabilitation: Creating an Engaging Experience	Committee Member
Andreas, E.	August 2016 - May 2018	MS	Designing an Educational Interactive Tool to Normalize Postpartum Depression and Increase Help-Seeking Behavior	Committee Member
Schmitz, A.	August 2016 - July 2018	MS	Spatial Visualization in Anatomy and Serious Video Games	Committee Member
Price, L.	August 2017 - Expected May 2019	MS	TBD	Research Advisor
Oke, S.	August 2017 - Expected May 2019	MS	TBD	Thesis Advisor
Revette, L.	August 2017 - Expected May 2019	MS	TBD	Committee Member
Garr, C.	August 2017 - Expected May 2019	MS	TBD	Committee Member
Selagea, A.	August 2017 - Expected May 2019	MS	TBD	Committee Member
Luo, Z.	August 2017 - Expected May 2019	MS	TBD	Committee Member
Cook, A.	August 2017 - Expected May 2019	MS	TBD	Committee Member
Wiehe, L.	August 2017 - Expected May 2019	MS	TBD	Committee Member