

Justin A. Robinson

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Education

Master of Science in Clinical Research Case Western Reserve University – Cleveland, OH	July 2023 – present
John W. Kirklin/David Ashburn Fellowship Cleveland Clinic – Cleveland, OH	July 2023 – present
8-Year Integrated-Cardiothoracic Surgery Residency University of Maryland Medical Center – Baltimore, MD	July 2021- Present
Doctor of Medicine Michigan State University College of Human Medicine- Grand Rapids, MI	May 2021
Bachelor of Arts in Chemistry Wayne State University- Detroit, MI	April 2017
Associates of Science Schoolcraft Community College-Livonia, MI	Sept. 2014

Research Experience

Mayo Clinic- Rochester, MN Principle Investigator- Francisco Lopez-Jimenez, MD Summer Research Fellowship Assisted in collecting data and designing a validation method for a short food frequency dietary survey that can be used to determine overall dietary quality in preventative cardiology clinics.	June 2019-2020
Spectrum Health- Grand Rapids, MI Principle Investigator- Tomasz Timek, MD Research Intern Assisted in collecting data for retrospective chart review to compare clinical outcomes in patients placed on cardiopulmonary bypass and given Del Nido, or standard (Murphy's) cardioplegia.	December 2017- December 2018
Wayne State University- Detroit, MI Undergraduate Research Assistant Principle Investigator: Noah Ofen, Ph.D.	December 2015- September 2016

Assisted in collecting study subject demographic data, performed memory task experiments with study participants, participated in Brain day 2015 at Michigan Science Center.

University of Michigan- Ann Arbor, MI
Summer Research Intern

April 2014- August 2014

Primary Investigator: Andrea Alford, Ph.D.

Performed western-blots to determine the effects of thrombospondin-2 (TSP2) on ADAMTS2 expression in osteoblast cultures and presented a poster with the subsequent findings.

Michigan Life Science and Innovation Center- Plymouth, MI November 2013- April 2014
Undergraduate Research Assistant

Primary Investigator: David O'Hagan, Ph.D.

Participated in the first program to integrate research opportunities at Schoolcraft Community College. Cloned bacterial genes into a human genome, using multiple lab techniques, such as restriction digestion and PCR.

Presentations

Robinson, J. CHSS Complete AVSD Cohort: An Analysis Based on Advanced Data Techniques. CHSS 50th Annual Meeting, Boston, MA, October 2023 [Oral presentation]

Robinson, J., Mariategui, S., Paluri., S. Introduction to a digital platform for CTS training. European Association for Cardio-Thoracic Surgery, Venna, Austria, October 2023 [Oral Presentation]

Robinson, J., Blackstone, E., Cummins, K., McCane., C. De-Identified Data Sets: Progress, Obstacles, and Lessons Learned. Congenital Heart Surgeons' Society CRQ Work Weekend, Cleveland, OH, September 2023 [Oral presentation]

Robinson, J., Blackstone, E., Karamlou., T., Najm, H., Jacobs, J. AVSD Cohort: Data Overview, Project Ideas, and Discussion. Congenital Heart Surgeons' Society CRQ Work Weekend, Cleveland, OH, September 2023 [Oral presentation]

Leibowitz, J., **Robinson, J.,** Shah, A., Toursavadkahi, S., Taylor, B., Ghoreishi, M., Early Outcomes After Total Arch Replacement with Branched Stented Anastomosis Frozen Elephant Trunk Versus Hemiarch For Acute Type A Aortic Dissection [Accepted for poster presentation STSA 70th Annual Meeting]

Robinson, JA., Naselsky, W., Bittle, G., Bathula, A., Plazak, M., Grazioli, A., Griffith, B., Dahi, S., Shah, A. Management of Harlequin Syndrome in Veno-Arterial Extracorporeal Membrane Oxygenation. EuroELSO Congress. Lisbon, Portugal, April 2023 [Poster presentation]

Robinson, JA., Forbess, J., Slack, M., Moss, J., Chaves, A. Palliation of a Heterotaxy Single Ventricle neonate with Pulmonary Atresia and obstructed TAPVR: A Case Report. 8th World

Congress of Pediatric Cardiology and Cardiac Surgery. Washington, D.C., August 2023 [Oral presentation]

Treffalls, J., **Robinson, JA.**, Albazi, E., Do-Nguyen, C., Lillard, K., Forbess, J. Predictors of Success as an Integrated Cardiothoracic Surgery Resident: A Survey of Program Directors and Residents. Eastern Cardiothoracic Surgical Society. Miami, Florida, October 2022 [Poster presentation]

Robinson, JA., Leibowitz, J., Toursavadkahi, S., Taylor, B., Ghoreishi, M., Dahi, S. TEVAR through two embolized TAVR valves in the descending aorta for immediate Type B aortic dissection. Eastern Cardiothoracic Surgical Society. Miami, Florida, October 2022 [Poster presentation]

Leung Wai Sang, S., Milan, S., **Robinson, J.**, Merhi, W. Transcatheter Aortic Valve Replacement in Extremely Large Annuli: Results from the Michigan Transcatheter Aortic Valve Replacement Quality Collaborative, European Association for Cardio-Thoracic Surgery, Barcelona, Spain, October 2021 [Oral Presentation]

Robinson, J., Medina-Inojosa, J., Aseged, K., Kunzová, S., Schmidt, T., Lopez- Jimenez, F., Validation of a Short Food Frequency Questionnaire (SFFQ) with Viocare online dietary assessment tool, Grand Rapids Citywide Research Day, Grand Rapids, MI, April 2020 [Virtual Oral Presentation]

Robinson, J., Medina-Inojosa, J., Aseged, K., Kunzová, S., Schmidt, T., Lopez- Jimenez, F., Validation of a Short Food Frequency Questionnaire (SFFQ) with Viocare online dietary assessment tool, Mayo Clinic, Rochester, MN, July 2019 [Oral]

Robinson, J., Medina-Inojosa, J., Aseged, K., Kunzová, S., Schmidt, T., Lopez- Jimenez, F., Validation of a Short Food Frequency Questionnaire (SFFQ) to Assess AHA Ideal Cardiovascular Health Dietary Guidelines, Mayo Clinic, Rochester, MN, July 2019 [Poster]

Robinson, J., Griep, J. Renal artery stenosis via Mindray TE7 ultrasound, Advanced Clinical Skills, Michigan State University College of Human Medicine, Grand Rapids, MI, May 2018 [Oral]

Robinson, J., Manley Jr. E., Alford, A. Effect of Thrombospondin-2 on ADAMTS2 Expression in Osteoblastic Cultures, Department of Orthopaedic Surgery, Undergraduate Research Opportunity Program, University of Michigan, Ann Arbor, MI, August 2014 [Poster]

Publications

Robinson J, Karamlou T. The Aspiring Surgeon-Scientist: Evaluating Training Factors that Increase Scholarly Activity. *Ann Thorac Surg.* 2023 Oct 18:S0003-4975(23)01069-X. doi: 10.1016/j.athoracsur.2023.10.011. Epub ahead of print. PMID: 37863348.

Kus N, **Robinson JA**, Hall MR, Ghoreishi M, Taylor B, Toursavadkahi S. Emergent Total Endovascular Arch Repair for Contained Aortic Arch Rupture: Another Tool in the Box. *Vasc*

Endovascular Surg. 2023 Oct;57(7):771-775. doi: 10.1177/15385744231170919. Epub 2023 Apr 14. PMID: 37058450.

Robinson, J., Forbess, J.M., Slack, M. *et al.* Palliation of a Heterotaxy Single Ventricle Neonate with Pulmonary Atresia and Obstructed TAPVR. *Pediatr Cardiol* (2023).

Robinson, Justin, et al. Thymoma Presenting as Me-diastinal Lymphadenopathy: A Case Report. *Jourl Clin Med and Cas Rep* 1.5 (2022): 1022.

Olive JK, Yost CC, **Robinson JA**, et al. Demographics of Current and Aspiring Integrated Six-Year Cardiothoracic Surgery Trainees [published online ahead of print, 2022 Aug 4]. *Ann Thorac Surg*. 2022;S0003-4975(22)00994-8.

Robinson, JA, et al. Increasing Diversity in Cardiothoracic Surgery: First-Generation Medical Students [published online, 2021 July 2]. *J Thorac Cardiovasc Surg Open*.

Timek TA, Beute T, **Robinson JA**, et al. Del Nido cardioplegia in isolated adult coronary artery bypass surgery [published online ahead of print, 2019 Sep 24]. *J Thorac Cardiovasc Surg*. 2019;S0022-5223(19)32011-2. doi:10.1016/j.jtcvs.2019.09.027

Book Chapters

Robinson, Justin A., and Mehrdad Ghoreishi. "Open Aortic Fenestration for Dissection." *TSRA Operative Dictations in Cardiothoracic Surgery: 2nd Edition*, 2023, pp. 243-44.

Robinson, Justin A., and K. Barry Deatrck. "Bidirectional Glenn Procedure." *TSRA Operative Dictations in Cardiothoracic Surgery: 2nd Edition*, 2023, pp. 490-92.

Professional Experience

Tactical Emergency Medical Support Team October 2015- August 2017
Huron Valley Ambulance- Ann Arbor, MI
Assisted local and state SWAT teams in high-risk situations ranging from search warrants to barricaded gunmen. Provided medical support for SWAT team members.

Paramedic October 2013-August 2017
Huron Valley Ambulance- Ann Arbor, MI
Responded to medical emergencies, treated and stabilized conditions ranging from hospital transfers to cardiopulmonary arrest. Learned and used advanced skills such as endotracheal intubation, IV/IO placement, transcutaneous pacing, cardioversion.

Leadership

Author, Thoracic Surgery Resident Association (TSRA) March 2023- Present
Writer for the TSRA clinical pearls section of the monthly newsletter

Education Director, Global Thoracic Surgery Resident Association (GTSRA) January 2022- Present

Resident/Fellow and APP Wellness Committee September 2021 - Present
Committee focused on developing activities related to resident/fellow/faculty/employee wellness.

Research Certificate Program February 2020- March 2021
Helped develop and implement a research certificate program that assisted students understand the research process, find research mentors and subsequently create a research project.

Founder, Co-leader, Surgeon-Scientist Interest Group October 2018- May 2019
Organized panels of physician-scientist that spoke to medical students about career paths that includes both research and surgical practice.

Big Sib, Michigan State University College of Human Medicine August 2018- Present
Mentored first-year medical student, providing advice on navigating medical school, which included school-life balance.

MSU College of Human Medicine Admissions Ambassador Recruiter May 2018- May 2019
Lead every Interview Day lunch hour, including the recruitment of student ambassadors to attend.

Treasurer, Student National Medical Association March 2018- May 2019
Handled and delegated all financial transactions, maintained accurate records of all transactions, and assisted the secretary ensuring that all members are in good standing.

President, American Medical Student Association February 2018- May 2019
Organized meetings to get medical students interested in and join the American Medical Student Association.

Senior Paramedic, Huron Valley Ambulance October 2014-August 2017
Taught new paramedics and basic EMTs job duties, expectations, and protocols.
Responsible for overall patient care and outcome.

Advocacy and Service

Volunteer, Thoracic Surgery Medical Student Association (TSMA) July 2022 - Present
Served as a mentor to medical students interested in cardiothoracic surgery. Assisted medical students in their final years prepare for cardiothoracic surgery residency interviews

Committee Member, Thoracic Surgery Resident Association (TSRA) June 2021- Present
Education committee- editing and improving TSRA question bank questions. Setting up webinars, potential events at STS, research collaborative with WTS and TSMA leaders

Volunteer, MSU College of Human Medicine – Grand Rapids, MI May 2021
Spoke with MSU CHM M1-M3 students on SIG panel

- Volunteer**, MSU College of Human Medicine – Grand Rapids, MI October 2020
Spoke at A Force for Good virtual donor event celebrating the tenth anniversary of the Secchia Center in Grand Rapids.
- Volunteer**, MSU College of Human Medicine – Grand Rapids, MI August 2020
Discussed third year planning, rotation specific topics which included studying and preparing for Step 2 CK with third year medical students.
- Volunteer**, MSU College of Human Medicine – Grand Rapids, MI February 2020
Taught elementary students about the various functions of the eyes and physical exam techniques through lectures and an interactive hands-on segment at Reach Out to Youth event sponsored by Student National Medical Association.
- Volunteer**, MSU College of Human Medicine – Grand Rapids, MI February 2019
Taught elementary students about the mechanical function of the heart through lectures and an interactive hands-on segment at Reach Out to Youth event sponsored by Student National Medical Association.
- Volunteer**, MSU College of Human Medicine – Grand Rapids, MI October 2018
Led “How to get involved with research” segment of Med School 101 event sponsored by Student National Medical Society for premed students from local colleges and universities.
- Volunteer**, MSU College of Human Medicine – Grand Rapids, MI February 2018
Taught elementary students about the five senses and the different components that are involved in staying healthy at Reach Out to Youth event sponsored by Student National Medical Association
- Volunteer**, MSU College of Human Medicine – Grand Rapids, MI November 2017
Taught high school students about the anatomy of the eye and why doctors look in the eyes and what they look for on eye examination.
- Volunteer**, Grand Valley State University – Allendale, MI November 2017
Spoke with premed students about the steps involved in applying to medical school and my path to medical school at Grand Valley State University during a premed club Q&A panel.
- Volunteer**, University of Michigan Health – Ann Arbor November 2015- November 2016
Interacted with the family members of children who were in the intensive care unit. Cleaned the living areas in which the family members of the patients stayed.

Teaching Experience

Academic peer tutor August 2019- Present
Michigan State University College of Humane Medicine- Grand Rapids, MI
Led USMLE Step 1 directed Approach to Questions small group sessions for first year medical students.

Academic peer tutor September 2018- Present

Michigan State University College of Human Medicine- Grand Rapids, MI
Mentored one student in biochemistry, cardiac and respiratory physiology.

Anatomy peer tutor May 2018- Present

Michigan State University College of Human Medicine
Mentored a group of students on locating specific muscles, nerves, and vessels of the lower limbs.

Academic peer tutor September 2015- July 2017

Wayne State University- Detroit, MI
Led individual and group tutoring sessions explaining various topics related to quantitative analytical chemistry.

Teaching Assistant

Huron Valley Ambulance- Ann Arbor MI October 2014-August 2017
Led and instructed EMT-basic and paramedic clinical skill days, which included management of trauma patients, trauma and medical assessments, basic and advanced airway management, advanced cardiac life support, intravenous, intraosseous access.

Awards

3 rd Place Male Overall Rev3 Nanticoke Sprint Duathlon	May 2023
5 th North American Aortic Valve Repair Symposium Scholarship	August 2022
AATS Member for a Day Scholarship	March 2021
Katherine B. and Floyd W. Miles Endowed Scholarship	February 2020
Admissions Ambassador Scholarship, MSU CHM	May 2018
Michigan Great Lakes Opportunity Endowed Scholarship	May 2017
Professional Achievement Award, Huron Valley Ambulance	May 2016 & 2017
White House Medical Unit and President of the United States recognition	March 2017
Certificate of Merit Award, Huron Valley Ambulance	October 2016
Prix d'excellence French Award	May 2015
Dean's List, Schoolcraft Community College	June 2013

Membership in Professional Organizations

American Heart Association (AHA)	September 2023 - Present
Southern Thoracic Surgical Association	September 2021- Present
Association for Surgical Education	September 2021- Present
Heart Rhythm Society	July 2021- Present
Eastern Cardiothoracic Surgical Society	July 2021- Present
ISACHD – Fellow in Training	May 2021- Present
Association for Academic Surgery	July 2020- Present
American Thoracic Society	April 2020- Present
Society for Vascular Surgery	June 2020- Present
American Federation for Medical Research	June 2020- Present
American College of Surgeons	September 2019- Present
The Society of Thoracic Surgeons- candidate member	August 2019- Present

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American Medical Student Association

February 2018- 2021

Interests

Weight training, crossfit, running, basketball, football, golf, rock climbing, outdoor sports, reading, playing the piano