

Marissa N. Watson, M.D.

RESIDENCY

Spectrum Health/Michigan State University College of Human Medicine, Grand Rapids, Michigan
Helen DeVos Children's Hospital
General Pediatrics Resident, Categorical
July 2017-Present

EDUCATION

The University of Toledo College of Medicine and Life Sciences, Toledo, Ohio
Medical Doctorate (MD) Program
August 2012-June 2017

The University of Toledo College of Medicine and Life Sciences, Toledo, Ohio:
Pathology Fellowship
Certificate of Pathology Fellowship
July 2014-July 2015

The University of Akron, Akron, Ohio
Bachelor of Science in Biology, Summa Cum Laude
University Honors College Scholar, Presidential Scholar
August 2008-June 2012

LICENSING AND EXAMINATIONS

Temporary Medical Educational License
Passed USMLE Step III: February 2018
Passed USMLE Step II CS: August 2016
Passed USMLE Step II CK: May 2016
Passed USMLE Step I July 2013

QUALITY IMPROVEMENT

August 2018-Present **Culinary Medicine Quality Improvement Investigator**
Spectrum Health Culinary Medicine Department, Grand Rapids, Michigan

- Doctor prescribed program teaching families about using food as medicine
- Organize and teach hands on cooking sessions to families
- Educate families about nutrition as medicine
- Provide follow up to assess ability to apply information to daily lifestyles
- Measure BMI before and after enrollment and correlate pre and post survey questionnaire to understand effects of intervention on lifestyle

Lead Researcher: Kristi Artz, MD, CCMS-Medical Director Lifestyle Medicine and MedNow, Lead physician of Culinary Medicine Program, Spectrum Health, Grand Rapids, Michigan

TEACHING EXPERIENCE

May 2019-Present **Culinary Medicine Instructor**
Spectrum Health Culinary Medicine Department, Grand Rapids, Michigan

- Teach residents nutrition based classes
- Lead hands on nutrition classes to residents
- Organize and instruct various gatherings for lunch time teaching sessions

June 2017-Present **Medical Student Preceptor**
Spectrum Health/Michigan State University College of Human Medicine, Grand Rapids, Michigan

- Teach medical students rotating on newborn, inpatient pediatrics, and general pediatrics clinic electives

- Educate proper physical exam techniques
- Organize discussions and presentations for students

August 2014-June 2015 **Interdisciplinary Tumor Board Presenter**

The University of Toledo Medical Center Pathology Department, Toledo, Ohio

- Organized presentations on cancer patients' histories, microscopic images from tumor specimens, and pathologic diagnoses
- Presented at weekly multidisciplinary meetings where physicians from different departments discussed each patient's treatment, management, and prognosis
- Answered pathology related questions pertaining to each case presented

August 2014-June 2015 **Journal Club Facilitator**

The University of Toledo Medical Center Pathology Department, Toledo, Ohio

- Led departmental journal club discussions for attendings and residents
- Guided discussion and asked questions related to journal articles

August 2014-June 2015 **Pathology Laboratory Teacher**

The University of Toledo Medical Center Pathology Department, Toledo, Ohio

- Taught specific areas of pathology for each organ system to second year medical students
- Discussed histologic images in conjunction with clinical cases
- Administered quizzes to test knowledge and then reviewed answers with students

August 2014-June 2015 **Lung Cytology Tumor Board Presenter**

The University of Toledo Medical Center Pathology Department, Toledo, Ohio

- Presented introductory information on cytological analysis of lung tumors
- Reviewed key characteristic findings from cytological specimens
- Discussed prognosis and treatment of different tumor types

June 2013-July 2013 **English Teacher**

Berean Baptist Church Ukraine Mission's Trip, Mansfield, Ohio

- Taught conversational English to people in Ukraine
- Led English reading groups for students
- Developed activities centered around English terminology for students to enhance their language skills

August 2009-May 2010 **Peer Mentor**

The University of Akron Office of Multicultural Development, Akron, Ohio

- Met with students of all backgrounds and advised them on their academics, social life, and personal interests
- Organized academic and social programs for students
- Developed study strategies and work/school/life balance techniques for mentees

WORK EXPERIENCE

August 2012-June 2015 **Student Audio and Video Equipment Technician**

The University of Toledo Classroom Support Services, Toledo, Ohio

- Made weekly recording schedule for medical school class lectures
- Uploaded daily department lectures to online lecture database
- Helped with classroom computer troubleshooting and problems encountered during professors' lectures
- Ensured microphones and equipment functioned properly

August 2012-August 2016 **USMLE-Rx Step 1 and 2 Student Ambassador**

USMLE-Rx/MediQ Learning, LLC, Elizabethtown, Kentucky

- Promoted learning material to medical students for board exams
- Organized promotional discounts for board preparation materials
- Distributed and signed up enrollees for board preparation practice questions and exams

May 2010-May 2012 **Tutor, Note Taker, Learning Assistant**

The University of Akron Office of Student Academic Success, Akron, Ohio

- Tutored various subjects including Biology, Chemistry, and Genetics
- Attended various classes where acted as student aid and provided copies of my notes written from class
- Devised practice problems for exam review sessions

VOLUNTEER EXPERIENCE

July 2014-May 2017 **Western Avenue Church Clinic Volunteer**

Western Avenue Church Free Community Clinic, Toledo, Ohio

- Performed intake exams and vitals on patients
- Conducted history and physical exams
- Reviewed diagnoses and treatment plans with patients
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December 2012-June 2015 **Emergency Department Scribe**

The University of Toledo Medical Center Emergency Department, Toledo, Ohio

- Documented all emergency department information from doctor obtained history and exam of patients
- Reviewed pertinent findings and treatment plans with physicians

August 2012-July 2015 **Executive Committee Alumni Board Member**

The University of Akron Honors College, Akron, Ohio

- Hosted gatherings for alumni at sporting events, holiday parties, and other various outings
- Devised plans to increase honors college student involvement
- Organized fundraisers for honors college scholarships

January 2009-May 2012 **Chair of the Service Programming Committee**

Phi Delta Epsilon Pre-Medical Fraternity

- Assisted with implementation of the first Phi Delta Epsilon Premedical Fraternity charter at The University of Akron
- Provided resources for students about selecting medicine as a career, deciding which medical school to attend, and preparing for medical school
- Organized fundraising and social events
- Hosted distinguished lecturers and seminars

RESEARCH EXPERIENCE

July 2014-June 2015 **Pathology Research Fellow**

The University of Toledo Medical Center Pathology Department, Toledo, Ohio

- Identified potential salivary biomarker of traumatic brain injury
- Analyzed biomarker's variation and stability in human and rat saliva
- Collected saliva samples in different manners to assess best saliva collection method
- Proved biomarker's expression in experimental rat saliva after induced head injury

PI: Kenneth Hensley, PhD-Associate Professor of Pathology, Division of Pathology, The University of Toledo Medical Center; David R. Giovannucci, PhD-Associate Professor of Neurology, Director of Raymond & Beverly Sackler Laboratory for Neuroendocrine Tumor Research, The University of Toledo College of Medicine, Toledo, Ohio

January 2011-August 2012 **Summa Summer Research Fellow**

Summa Akron City Hospital Emergency Medicine Research Department, Akron, Ohio

- Assisted with clinical research project looking at frailty in elderly Emergency Department patients and developed tool to measure level of frailty

- Interviewed eligible patients with questions pertaining to their activities of daily living
- Analyzed data to determine relationship between frailty and negative health outcomes
- Presented and published finalized study in Academic Emergency Medicine Journal

PI: Scott Wilber, MD, MPH, FACEP-Professor of Emergency Medicine-Northeast Ohio Medical University, Adjunct Professor of Statistics at The University of Akron, Department Chair of Emergency Medicine, Summa Akron City Hospital, Akron, Ohio

May 2010-August 2010 **Summer Undergraduate Research Fellow**

The University of Toledo Medical Center Cardiovascular Research Department, Toledo, Ohio

- Investigated urinary biomarker of renal artery stenosis and its role in predicting renal function outcome after renal artery stent procedures
- Collected urine samples after stenting procedures at baseline, 24 hours post-procedure, and 1 month post-procedure, and measured biomarker level
- Analyzed data that identified statistical significance with biomarker's ability to predict renal damage

PI: Christopher J. Cooper, MD, Professor of Medicine, Division of Cardiovascular Medicine, The University of Toledo Medical Center; Dean, The University of Toledo College of Medicine, Toledo, Ohio

ACADEMIC ORAL PRESENTATIONS

Pediatric Morbidity and Mortality Conference Presentation, Grand Rapids, Michigan

Case Presentation and Discussion, December 2019

Pediatric Senior Lecture, Grand Rapids, Michigan

Neonatal and Infant Dermatology, November 2019

Pediatric Residency Journal Club, Grand Rapids, Michigan

A Parent Treatment Program for Preschoolers With Obesity: A Randomized Controlled Trial, November 2019

Pediatric Center for Child Protection Journal Club, Grand Rapids, Michigan

Insurance Coverage for Children Impacts Reporting of Child Maltreatment by Healthcare Professionals, November 2019

Pediatric Infectious Disease Journal Club, Grand Rapids, Michigan

Clinical and Virological Characteristics of Acute Sinusitis in Children, March 2019

Pediatric Multidisciplinary Conference, Grand Rapids, Michigan

Acute Lymphocytic Leukemia, June 2018

Alpha 1 Antitrypsin Deficiency, February 2018

Pediatric Hematology/Oncology Journal Club, Grand Rapids, Michigan

Gorham Stout Disease, April 2018

Pediatric Residency Clinic Journal Article Discussion, Grand Rapids, Michigan

Eating Disorders, December 2019

Acne, December 2019

Return to Play, February 2019

Psychosocial Development of Adolescents, April 2018

Management and Treatment of Otitis Media in Pediatrics, October 2017

PUBLICATIONS

Watson, M. N., De Las Casas, & Gatto-Weis, C.M. Clinicopathologic Features of Clear Cell Adenocarcinoma Arising in Endometriosis. The American Society for Clinical Pathology (ASCP) Case Reports. 2015, Sep. Available online.

Wilber S. T., Frey, J.A., **Watson, M.W.,** Poland, S.A., & Bond, A. L. Does Frailty Defined by the SHARE Frailty Instrument Predict Adverse Outcomes After an ED Visit? Academic Emergency Medicine. 2013, Feb; 20(2): 219-220.

Watson M. N. SHARE Frailty Instrument (SHARE-FI) in the Emergency Department. SHARE Frailty Instrument Calculators Related Publications, My Zone Trinity College Dublin. <https://sites.google.com/a/tcd.ie/share-frailty-instrument-calculators/related-publications>. Published June 2012.

Watson M. N. SHARE Frailty Instrument (SHARE-FI) in the Emergency Department. Student Honors Research Project's Database, The University of Akron. <http://www.uakron.edu/dotAsset/8b117eba-ec49-4e57-9495-fe41fcfb995.pdf>. Published May 2012.

RESEARCH ORAL PRESENTATIONS

Watson M.N. Methods, Development, and Initial Validation of Salivary Biomarkers for Head Injury. Presented at: The University of Toledo Medical Center 34th Annual Peter J. Goldblatt, M.D. Scientific Day Program; April 30, 2015; Toledo, Ohio.

Watson M.N. Evolutionary Change in Diagnostic Criteria of Churg-Strauss Syndrome. Presented at: The University of Toledo Medical Center Pathology Department Mini Grand Rounds Monthly Conference; March 17, 2015; Toledo, Ohio.

Watson M.N. Preliminary Findings from Clear Cell Adenocarcinoma Arising in Urinary Bladder Endometriosis. Presented at: The University of Toledo Medical Center Pathology Department Annual Resident and Fellow Conference; January 27, 2015; Toledo, Ohio.

Wilber S. T., Frey, J.A., **Watson, M.N.,** Poland, S.A., & Bond, A.L. Does Frailty Defined by the SHARE Frailty Instrument Predict Adverse Outcomes After an ED Visit. Presented at: The Mid-West Society for Academic Emergency Medicine (SAEM) Regional Meeting; October 19, 2012; Columbus, Ohio.

Watson M. N., & Cooper, C.J. Interleukin-18 (IL-18) and Renal Artery Stenosis (RAS). Presented at: The University of Toledo Medical Center Summer Undergraduate Research Fellowship Poster Session; August 2010; Toledo, Ohio.

RESEARCH POSTER PRESENTATIONS

Hensley K., Giovannucci D., Chiaia N., Seapoo B., Isailovich D., Cameron B., Brickman K., Kazan V., & **Watson M.N.** Salivary Biomarkers of Traumatic Brain Injury. Poster presented at: The Alliance for Human Effectiveness and Advancement's and Wright Brothers Institute Idea Lab's Personalized Health and Human Performance Research Showcase; December 9, 2014; Dayton, Ohio.

Watson M. N., Stiffler, K.A., Frey, J.A., & Wilber, S.T. SHARE Frailty Instrument (SHARE-FI) in the Emergency Department. Poster presented at: The University of Akron 9th Annual Biology Undergraduate Research Symposium; April 26, 2012; Akron, Ohio.

Watson M. N., Stiffler, K.A., Frey, J.A., & Wilber, S.T. Preliminary Findings from SHARE Frailty Instrument (SHARE-FI) in the Emergency Department. Poster presented at: Summa Health System 4th Annual Summer Research Fellowship Poster Session; July 29, 2011; Akron, Ohio.

Watson M. N., Stiffler, K.A., Frey, J.A., & Wilber, S.T. SHARE Preliminary Findings from Frailty Instrument (SHARE-FI) in the Emergency Department. Poster presented at: The University of Akron 8th Annual Student Innovation Symposium; April 12, 2011; Akron, Ohio.

HONORS

Scholarships:

The University of Toledo College of Medicine Satellites Auxiliary Endowed Scholarship, 2016
Dr. and Mrs. El-Shafie Scholarship, 2016
Tylenol Future Care Scholarship, 2012
VanBuren Medical School Award, 2012

Awards:

Best oral presentation at The Mid-West Society for Academic Emergency Medicine (SAEM) Regional Meeting, 2012
Fourth place poster presentation award at The University of Akron 8th Annual Student Innovation Symposium, 2012
Jason Madachy Foundation "Excel in Leaving a Mark" Stethoscope Award, 2012
The University of Akron Top 10 Senior Award, 2012
The University of Akron Outstanding Junior Award, 2011
The University of Akron Omicron Delta Kappa Outstanding Sophomore Award, 2010
Office of Multicultural Development Outstanding Sophomore Award, 2009
Outstanding Introduction to Sociology Student Recognition Award, 2009

PROFESSIONAL MEMBERSHIP & ACTIVITIES

American Academy of Pediatrics, July 2017-Present
American Medical Association, former Executive Board Region V Liaison, August 2012-Present
American Medical Student Association, former Executive Board Recruitment Chair, August 2012-May 2017
American Medical Women's Association, Member, August 2012-May 2017
Vocal Remedy A Cappella Choir, Singer, August 2012-May 2014
Phi Delta Epsilon Medical Fraternity, Member and Recruitment Chair, April 2009-2012
Rhythm and Roos Honors A Cappella Choir, Singer, August 2008-August 2012
Phi Sigma Alpha Scholastic Honorary Fraternity, April 2008-August 2012

CERTIFICATIONS

Pediatric Advanced Life Support Certification, June 2017; April 2019
Neonatal Resuscitation Program Certification, June 2017; April 2019
Advanced Cardiovascular Life Support Certification, February 2016

COURSE COMPLETIONS

Institute for Healthcare Improvement

Quality Improvement:

QI 102: How to Improve with the Model for Improvement, May 2018

Patient Safety:

PS 101: Introduction to Patient Safety, May 2017

PS 102: From Error to Harm, September 2017

PS 103: Human Factors and Safety, September 2017

PS 104: Teamwork and Communication in a Culture of Safety, September 2017

PS 105: Responding to Adverse Events, April 2019

PS 202: Building a Culture of Safety, September 2017

CITI Course in the Protection of Human Research Subjects, May 2011

College Reading and Learning Association (CRLA) Certification Program, August 2010

Level I/Regular Tutor Training-Roles and Ethics of Tutoring

Level II/Advanced Tutor Training-Communication Skills and Conflict Management

Level III/Master Tutor Training-Leadership

Completion of the NIH web-based training course "Protecting Human Research Participants," June 2010