

CURRICULUM VITAE

MARCUS D. RUSHING, MD, MPH, MS

ABPM, NRCME, CMRO, ABIME

BIOSKETCH: Dr. Rushing has clinical experience in full-spectrum Family Medicine, Clinical Pathology, and Occupational and Environmental Medicine. He brings significant expertise in biomedical research, complemented by extensive teaching and mentorship at the primary, collegiate, and post-graduate levels. Deeply committed to the well-being of vulnerable populations—including pediatric, elderly, and disabled individuals—he integrates this passion throughout both his clinical practice and scholarly work. His research interests center on the sociopolitical determinants of health and the ways in which environmental exposures, injury risks, and social factors shape functional outcomes in medically complex and vulnerable groups. He is equally committed to advancing equity in medicine. His professional interests include injury and illness prevention, Environmental Toxicology & One Health Initiatives, and process-improvement paradigms that enhance Clinical Operations and Resource Utilization. Dr. Rushing thoroughly enjoys interacting with patients, and his clinical practice is grounded in compassionate service, strong advocacy, and a steadfast commitment to diagnostic accuracy. His leadership style emphasizes team building, inclusiveness, and open communication, fostering environments where both patients and colleagues feel supported, respected, and empowered.

I. EDUCATION

University of Dayton College of Law (2023-)

HealthPartners

- Occupational and Environmental Medicine Residency Program (2019-2021)
- Chief Resident, 2020-2021
- Scored in **99th percentile** on national OEM In-Service Exam (Aug 2020)
- Secured over \$20,000.00 in research funding

University of Minnesota Twin Cities

- Master of Public Health, Division of Environmental Health Sciences (May 2021)
- **Recipient of James Craig Public Health Research Scholarship** (Jan 2021)

Northwestern McGaw Medical Center

- Family Medicine Residency Program (2016-2018)
- Norwegian American Hospital: Adult Inpatient, Adult Emergency Medicine, Obstetrics & Gynecology, Neonatal Care (2016-17)
- Swedish Covenant Hospital: Adult Inpatient, Adult Emergency Medicine, Obstetrics & Gynecology, Neonatal Care (2017-18)
- Erie Family Health Centers: Adult & Pediatric Outpatient, Immediate & Urgent Care Clinics (2016-18)
- Lurie Children's Hospital: Inpatient Pediatrics, Pediatric Emergency Medicine, Outpatient Pediatric Subspecialty Care

University of Chicago Medical Center

- Anatomic and Clinical Pathology (2015-2016)

University of Kansas Medical Center (KUMC)

- Doctorate of Medicine (2015)

University of Illinois at Urbana-Champaign (UIUC)

- MS in Microbiology, School of Molecular and Cellular Biology (2008)
- BS in Community Health (2006)
 - Emphasis in Health Administration and Preventive Medicine

- Concentration in Chemistry and Molecular and Cellular Biology

2018-Present

OEM Consults

Great Lakes, USA

Founder, Sole proprietor

- Medicolegal consultation for personal injury and workers compensation claims
- Medicolegal consultation with various corporate entities regarding (a) compliance with federal, state and municipal legislation (b) policies and procedures review and revision (c) optimizing clinical operations and implementation of QA/QI initiatives (d) branding, marketing, and service line expansion and (e) quarterly review of complex medicolegal work-related and non-work-related disability claims.
- Consultation with charitable arm of a Fortune 500 company in the Midwest regarding Community Outreach and Environmental Justice initiatives
- Consultation with Fortune 500 regarding optimizing Pre-employment drug screen protocol
- Research liaison consultant:
 - Assessment of Risk Factors for COVID-19 transmission among Health Care Professionals (In Collaboration with the Centers for Disease Control & Prevention, Emerging Infectious Disease Program and the Minnesota Department of Health)
 - Consulted to (a) recruit healthcare institutions within the Minnesota EIP catchment area into the study (b) establish & implement data collection protocols (c) provide logistics for data collection and secure data maintenance and (d) provide feedback to the MDH & CDC regarding study scope and data integrity.
 - Work published in, "*Practices and Activities Among Healthcare Personnel with SARS-CoV-2 Infection Working in Different Healthcare Settings-10 Emerging Infections Program Sites, April-November 2020. Infection Control and Hospital Epidemiology Journal*. DOI: 10.1017/ice.2021.262

III. TEACHING & MENTORSHIP EXPERIENCE

2015-2016

University of Chicago, Pritzker School of Medicine

Chicago, IL

Med Bio 307, Clinical Pathophysiology & Therapeutics

Teaching Assistant

- The goal of this course was to provide an introduction and method of approach to morphologic observation and clinical pathologic correlation of disease. The curriculum was composed of half-day sessions devoted to an organ system's pathophysiology and corresponding therapeutic concepts. Attending faculty from various specialties hosted lectures, whereas TAs hosted and facilitated hands-on laboratory sessions as well as problem-based discussion sessions.

2012-2013

NIH SEPA Camp PathOlogical

Kansas City, KS

Instructor & Student Faculty Liaison

- Camp PathOlogical is an inquiry-based Informal Science Education (ISE) enrichment program designed to increase high school students' knowledge and interest in biomedical sciences. Over the course of 5 weeks students from Wyandotte Co were introduced to principles of neurology and behavioral science using a combination of activities including problem based learning, standardized patients and dissection to teach the pathologic basis of disease.
- Designed curriculum for National Institute of Health's SEPA program. Introduced high school students from Wyandotte Co to principles of neurology and behavioral science.

2012-2013

Students As Scholars-KUMC

Kansas City, KS

Student Instructor

- Students As Scholars is a Peer-to-Peer teaching platform led by second year medical students designed to enhance incoming medical student performance in the core M1 curriculum and to improve student knowledge in Medical Biochemistry, Physiology, and Pathological basis of disease.

- Tutored KUMC medical students in the M-1 curriculum. Subjects included Biochemistry, Genetics, Neoplasia, Infection & Immunology, Cardiopulmonary Physiology, Endocrinology, Renal Physiology, Gastrointestinal Physiology, & Human Sexuality and Reproduction.

2010 Fall **School of Molecular and Cellular Biology - UIUC** Urbana, IL
Honors Teaching Assistant

- Teaching assistant for honors section of an undergraduate Molecular Genetics course (MCB 250)

2008-2010 **School of Molecular and Cellular Biology** Urbana, IL
MERIT Instructor

- Instructor for the Merit section for a Molecular Genetics course (MCB 299) and Teaching Assistant for Honors Section of a Molecular Genetics Course (MCB 297). The Merit Section targets exceptional undergraduate students with high potential who are members of groups, such as ethnic minorities, women, and rural students, who tend to be underrepresented in the Life Sciences. The goal of the merit section was to improve students' confidence in solving challenging course problems, develop and foster relationships based on common academic interests and experiences, and to help students establish a solid framework for becoming a successful student.
- Designed and implemented curriculum for the MERIT section for Molecular Genetics (MCB 250)
- Challenged with bringing non-traditional MCB matriculants (i.e. transfer students, international students, & underrepresented minorities) up to par in core genetics course
- Lead weekly interactive discussions with approximately 50 students in a classroom setting
- Awarded "Outstanding TA Award in MCB"

Summer 2008 & 2009 **Summer Research Opportunities Program** Champaign, IL US
Research Team Leader

- The Summer Research Opportunities Program (SROP) is a gateway to graduate education at CIC "Big Ten" universities. This program recruits talented undergraduates from all over the U.S. and prepares them for graduate study through intensive research experiences with faculty mentors. As the Research Team Leader, I hosted weekly workshops (covering a range of topics including scientific writing, experimental design, and effective communication strategies), introducing students to basic principles of scientific research and collaborated with several Life Sciences faculty to monitor the progress of student's individual research projects, and helped each student to prepare a formal oral, poster, and written presentation of their work. Additionally, I was selected to present my research at the annual SROP conference during each of the two years that I served as Research Team Leader.
- Directly mentored talented undergrads from across the U.S. in the area of Life Sciences Research
- Introduced students to principles of scientific research (Topics included *scientific writing, experimental design, & effective communication strategies*)
- Planned and hosted seminars, workshops, and weekly meetings
- Collaborated with several Life Sciences faculty to monitor the progress of student's individual research projects
- Selected to present research at the annual SROP conference

IV. ACADEMIC CONTRIBUTIONS

A. PUBLICATIONS

Peer-Reviewed

Imagawa M, Rushing M, Carter A, Schott R, and Berman J (2023). Using blood lead concentrations of wildlife sentinels to identify environmental risk factors of lead exposure for public health and wildlife rehabilitation efforts. *Journal of Ecotoxicology and Environmental Safety*. (Submitted May 16, 2022)

Rushing M, Montoya-Barthelemy A, Abrar F, Medina E, and McKinney Z (2021). Law Enforcement Violence in the Black Community as a Catalyst for Clinician Engagement in Social Justice. *AJPM Current Issues*. 62(1), P122-127, Jan 01, 2022. DOI: <https://doi.org/10.1016/j.amepre.2021.07.002>

Montoya-Barthelemy A, Bannister E, Leniek K, Rushing M, et al (2021). Using Advanced Racial and Ethnic Identity Demographics to Improve Surveillance of Work-Related Conditions in an Occupational Clinic Setting. *AJIM* DOI: 10.1002/ajim.23332. PMID: 35235683 DOI: <http://doi.org/10.1002/ajim.23332>

Rushing M, Bonestroo L, Dorland N, and McKinney Z (2021). Bilateral upper extremity polyneuropathy secondary to Non-freezing cold injury (NFCI): A case report. *JOMT* (Submission Pending).

(Abstract) Rushing M, Kirkhorn S, Pronk N, and McKinney Z (2020). Evaluation of Laboratory Hazards via Application of a Worksite Walkthrough Tool. *JOEM* (TBD). Abstract from AOHC 2020, May 3-5. Washington, DC (Status, Pending Publication)

Rushing M, Cracolici V, Shibib D, Tesic V, Charnot-Katsikas A, Beavis K (2017). Urine Cultures Based on a Reflex Testing Algorithm Utilizing Urinalysis Results May Result in Missed Diagnostic Opportunities. *Am J Clin Pathol*. Mar 1; 147(suppl_2):S151

Tidhar A, Rushing MD, Kim B and Slauch JM (2015). Periplasmic superoxide dismutase SodCI of Salmonella binds peptidoglycan to remain tethered within the periplasm. *Mol Microbiol* 97(5):832-43

Rushing, MD and Slauch, JM. (2011) Either periplasmic tethering or protease resistance is sufficient to allow a SodC to protect Salmonella enterica serovar Typhimurium from phagocytic superoxide. *Mol Microbiol* 82(4): 952-63

Internal Publications

(Abstract) Rushing M, Cracolici V, Shibib D, Tesic V, Charnot-Katsikas A, and Beavis K (2016). Urine Cultures Based on a Reflex Testing Algorithm Utilizing Urinalysis Results May Result in Missed Diagnostic Opportunities. 2016 Quality and Safety Symposium Compendium. University of Chicago Medicine publication

(Abstract) Rushing M, Reddy S, Leung, EK (2016). Optimizing Serum Magnesium Testing in an Inpatient Setting. 2016 Quality and Safety Symposium Compendium. University of Chicago Medicine publication

Rushing, MD (June 6, 2014). Coke Scholar Reflects on Congressional Civil Rights Pilgrimage. Coca-Cola: *Journey*, Community. <https://cocacolaunited.com/blog/2014/06/09/coke-scholar-reflects-congressional-civil-rights-pilgrimage/>
<http://www.coca-colacompany.com/stories/coke-scholar-reflects-on-congressional-civil-rights-pilgrimage>

Contributions without authorship

Practices and Activities Among Healthcare Personnel with SARS-CoV-2 Infection Working in Different Healthcare Settings-10 Emerging Infections Program Sites, April-November 2020. Infection Control and Hospital Epidemiology Journal. DOI: 10.1017/ice.2021.262

B. ACADEMIC ORAL PRESENTATIONS

2023 Nadeau, A, Dabrowski, D, Rushing, M and ZJ McKinney. Biomonitoring of Minnesota Firefighters exposed to prolonged metal recycling yard fire. Philadelphia, PA. AOHC 2023. April 16-19, 2023.

2021 Rushing, M. An Introduction to Environmental Injustice. Structural Oppression Seminar Series, Part 1, Lecture 2. University of Minnesota School of Public Health Student Senate, Minneapolis, MN (March 5, 2021). <https://www.youtube.com/watch?v=BWzMpXplmX8>

2021 Rushing, M. Celebrating the Life of Henrietta Lacks Webinar. Century College, White Bear Lake, MN (Feb 17, 2021)

- 2021 Rushing M. Safe Lives for Those Who Save Lives: Improving Safety Among Lab Workers in the Laboratory Setting. Guest Lecturer for Central States Occupational and Environmental Medicine Association 97th Annual Spring Seminar - Virtual Meeting, presented in St Paul, MN (March 13, 2021)
- 2020 Rushing M. Safe Lives for Those Who Save Lives: Improving Safety Among Lab Workers in the Laboratory Setting. Guest Lecturer for Occupational Medicine Grand Rounds. HealthPartners, St Paul, MN (Nov 2020)
- 2020 Rushing M. Eliminating Non-Essential Healthcare Services during an Infectious Disease Pandemic. Guest Lecturer for PUBH 6140: Occupational and Environmental Epidemiology. University of Minnesota – Minneapolis, MN (April 16, 2020)
- 2017 Rushing M. Networking 101: Investing in your Social Capital. University of Missouri – Kansas City, Kansas City, KS (via WebEx on Oct 27, 2017)
- 2017 Rushing M. Greasing the Mentorship Pipeline: A New Approach to Improving Mentorship in Health Careers Pipeline Programs. Family Medicine Midwest Conference, Rosemont, IL (Oct 7, 2017)
- 2017 Rushing M. Networking 101: Investing in your Social Capital. Family Medicine Midwest Conference, Rosemont, IL (Oct 7, 2017)
- 2016 Rushing M, Reddy S, Leung, EK. Rethinking Routine Labs: Optimizing Serum Magnesium Testing in the Inpatient and Ambulatory Care Setting. **Family Medicine Midwest Conference, Indianapolis, IN** (Oct 9, 2016)
- 2016 What to do when you *can't control* the control? How to approach the faint, delayed, or non-existent β -hCG control. National Medical Laboratory Professionals Week, **University of Chicago Medical Center**, Chicago, IL (April 28, 2016)
- 2012 *Adult Granulosa Cell Tumor*. **Pathology Student Interest Group**. University of Kansas Medical Center, Kansas City, KS (Nov 19, 2012)
- 2012 *Health Disparities*. **Office of Cultural Enhancement and Diversity Reception**, Center of Excellence, KUMC, Kansas City, KS.
- 2011 *Structural and Functional Features of Periplasmic Superoxide Dismutase, A Critical Virulence Factor in Salmonella*. **Infection Biology Symposium**, University of Illinois, Urbana, IL
- 2009 *Life Sciences Research*. Rushing, M. SROP Workshop Series. University of Illinois, Urbana, IL.
- 2008 *Characterizing the Structural and Functional Features of SodCI in Salmonella*. Rushing M and Slauch J. SROP Annual Conference, **Michigan State University**, East Lansing, MI
- 2007 *Characterizing the structural and functional features of SodCI*. Rushing M and Slauch J SROP Annual Conference, **Purdue University**, West Lafayette, IN
- 2006 *Exploring Research Opportunities At Home and Abroad*. Rushing M. SROP Annual Conference, **University of Illinois**, Urbana, IL
- 2006 *Characterizing the structural and functional features of SodCI*. Rushing M and Slauch J Summer Pre-Doctoral Institute, **University of Illinois**, Urbana, IL
- 2004 *Pastor's Perceptions of African American Recruitment into Health Disparities Research*. Rushing, M, Blakeney, N, and Corbie-Smith, G. Moore Undergraduate Research Apprentice Program Annual Conference, **University of North Carolina**, Chapel Hill, NC

- 2003 *Perceptions of Diabetes and Illness Management among African Americans*. Rushing, M and Alston, R. Summer Research Opportunities Program Annual Conference, **University of Illinois**, Urbana, IL
- 2003 *Perceptions of Diabetes and Illness Management among African Americans*. Rushing, M and Alston, R. Annual Committee on Institutional Cooperation Conference, **University of Minnesota-Twin Cities**

C. POSTER PRESENTATIONS

- 2023 Nadeau AM, Rushing MD, Dabroski DS, and McKinney Z. Biomonitoring of Minnesota Firefighters exposed to prolonged metal recycling yard fire. AOHC 2023. Philadelphia, PA (April 16-19, 2023)
- 2016 Rushing M, Reddy S, Leung, EK. Rethinking Routine Labs: Optimizing Serum Magnesium Testing in the Inpatient and Ambulatory Care Setting. **14th Annual AMA Research Symposium. Orlando, FL** (Nov 11, 2016)
- 2016 Chapel DB, Mei Z, Rushing MD, Resurreccion J, Smith Z, McClintock DS. A Collaborative Model for Improvement of Point-of-Care Testing in Medical Student-Operated Free Clinics. **College of American Pathologists: The Pathologists' Meeting, Las Vegas, NV** (Sept 25-28, 2016)
- 2016 Rushing M, Reddy S, Leung, EK. Optimizing Serum Magnesium Testing in an Inpatient Setting. **11th Annual Quality and Safety Symposium, University of Chicago** (May 12, 2016)
- 2016 Rushing M, Cracolici V, Shibib D, Tesic V, Charnot-Katsikas A, Beavis K. Urine Cultures Based on a Reflex Testing Algorithm Utilizing Urinalysis Results May Result in Missed Diagnostic Opportunities. **11th Annual Quality and Safety Symposium, University of Chicago** (May 12, 2016)
- 2011 *Physical Properties of Salmonella SodCI that Allow it to Protect Against Phagocytic Superoxide*. Rushing M and Slauch. J. 111th General Meeting of the **American Society for Microbiology**. New Orleans, LA
- 2007-10 *Characterizing the Structural and Functional Features of SodCI in Salmonella*. Rushing M and Slauch J. 29th Annual Department of Microbiology Conference, **University of Illinois**, Urbana, IL
- 2010 *Characterizing the Structural and Functional Features of SodCI in Salmonella*. Rushing M and Slauch. J. Midwest Microbial Pathogenesis Conference. **Washington University**, St. Louis, MO
- 2009 *Characterizing the Structural and Functional Features of SodCI in Salmonella*. Rushing M and Slauch. J. 109th General Meeting of the **American Society for Microbiology**. Philadelphia, PA
- 2008 *Characterizing the Structural and Functional Features of SodCI in Salmonella*. Rushing M and Slauch. J. 15th Annual Midwest Microbial Pathogenesis Conference. **University of Wisconsin-Madison**, Madison, WI
- 2008 *Structural Properties of Periplasmic SodCI that Correlate with Virulence in Salmonella enterica serovar Typhimurium*. Rushing M, Krishnakumar R, Mollo EA, Kim B, Imlay JA and Slauch J
Eleventh Annual New and Reemerging Infectious Diseases Conference, College of Veterinary Medicine, University of Illinois, Urbana, IL
- 2008 *Structural Properties of Periplasmic SodCI that Correlate with Virulence in Salmonella enterica serovar Typhimurium*. Rushing M, Krishnakumar R, Mollo EA, Kim B, Imlay JA and Slauch J
UIUC's **School of Molecular and Cellular Biology** Recruitment Weekend, University of Illinois, Urbana, IL
- 2005 *Cloning the anti-apoptotic gene, bcl2, into a retroviral construct*. Rushing M and Lake D. Summer Research Colloquium, **University of Arizona**, Tucson, AZ

- 2004 *Pastor's Perceptions of African American Recruitment into Health Disparities Research*. Rushing, M, Blakeney, N, and Corbie-Smith, G. Summer Pre-Graduate Research Experience Annual Conference, **University of North Carolina**, Chapel Hill, NC

D. WORKSHOP PRESENTATIONS

- 2021 *Contracts and Negotiations*. HealthPartners, St. Paul. Residency Lecture Series. Presenters Dr. Abrar and Dr. Rushing. (Feb 10, 2021)
- 2017 *Understanding Diabetes: Pathology, Prevention & Management*. Cooking for Diabetes 4 Week Series, West Humboldt Park Wellness Events. Near North Health Services Center, Chicago, IL (June 19, 2017)
- 2017 *Women's Health & Heart Disease*. Church of God in Christ 6th Jurisdiction Annual Health Fair. Healing Temple C.O.G.I.C., Chicago, IL (January 28, 2017)
- 2015 *Leading Causes of Death in African Americans*. New Life Ministries, Oak Park, IL (Sept 2015)

E. PUBLIC SPEAKING

- 2017 *Meet Fred: a personal appeal to preserve Safety Net Clinics*. Guest Speaker for the Erie Family Health Centers, Annual Erie Luncheon, Fairmont Hotel, Chicago, IL (May 19, 2017)
- 2017 *Networking 101: Investing in Your Social Capital*: Guest Speaker for SNMA & MAPS at the Annual Medical Education Conference 2017. Hyatt Regency Peachtree, Atlanta, GA (April, 13, 2017)
- 2016 *The importance of a "path" in shaping Destiny*: Guest Speaker for the National Medical Fellowship, Annual Champions of Health Award, Union League Club, Chicago, IL (Dec 6, 2016)
- 2015 *Tips for Success in Medical School*. **Guest Lecturer for the Pre-Matriculation Program**, KUMC School of Medicine, Kansas City, KS (April 9, 2015)
- 2014 *Redefining Success*. **Guest Speaker for the United Health Foundation's Diverse Scholars Forum**, Mandarin Oriental Hotel, Washington, D.C. (July 24, 2014)
- 2014 *Tips for Success in Medical School*. **Guest Lecturer for the Pre-Matriculation Program**, KUMC School of Medicine, Kansas City, KS (June 18, 2014)
- 2014 *From Wahl to Capitol Hill: Retracing the Mississippi Freedom Summer*. **Guest Lecturer for the Office of Cultural Enhancement and Diversity**, KUMC School of Medicine, Kansas City, KS (April 18, 2014)
- 2013 *Redefining Success*. **8th Grade Commencement Speech**. Ella Flagg Young Elementary School, Chicago, IL, (June 20, 2013)
- 2012 *Redefining Success*. **Science Education Partnership Award (SEPA – Kansas) Commencement Speech**. Hemenway Life Sciences Innovation Center, University of Kansas Medical Center, Kansas City, KS (July 6, 2012)

V. GRADUATE/PROFESSIONAL HONORS

- 2021 AOHC Corporate Medicine Section Resident Scholarship (April 2021)
- James Craig Public Health Scholarship, University of Minnesota School of Public Health – Twin Cities (Spring 2021)
- United Health Foundation Scholarship/ National Medical Fellowship (2013, 2014)
- Elwood and Mamie S. Sharp Scholarship (2014)
- American Medical Association, Minority Scholarship (2012)
- Ahuja Family Scholarship, KUMC (2012, 2013, 2014)
- Community Health Project, Excellence Scholarship (2012)

- NIH Infection Biology Training Grant (2010-2011)
- ASM Robert D. Watkins Fellowship, Honorable Mention (2010)
- James R. Beck Graduate Fellowship in Microbiology (2010)
- Teachers Ranked as Excellent by Their Students (2009, 2010)
- Mame Shiao Debbie Graduate Student Award in Microbiology (2008, 2010)

VI. PROFESSIONAL/ACADEMIC ACTIVITIES

LEADERSHIP ROLES

- American College of Preventive Medicine, Membership Committee Member (2021-2023)
- Central States Occupational and Environmental Medicine Association, Board of Governors, (2022 – 2023)
- Central States Occupational and Environmental Medicine Association, Board of Governors, Resident Member (2020 – 2021)
- Central States Occupational and Environmental Medicine Association, Fall Seminar Co-Chair, Resident Member (2021 – 2023)
- American College of Occupational and Environmental Medicine, Private Practice Section, member (2020 - 2023)
- Central States Occupational and Environmental Medicine Association, Board of Governors, Resident Member (2020 - 2023)
- Illinois AFP, Public Relations Task Force, Member (2017)
- Illinois State Medical Society, Alternate Delegate (2017)
- Northwestern McGaw Underrepresented Residents and Fellows Forum (NMURFF), Mentorship Pipeline Chair, 2017-18, active member since 2016
<https://www.youtube.com/watch?v=A8Tqv3vssKI>
- National Medical Fellowships, Inc, Young Alumni Advisory Council (2014-2018)
- United Health Foundation, Student Advisory Council (2014-15)
- Chicago Jesuit Academy, Junior Exec Board (2017-18)
- American Medical Association, Committee on Quality Improvement and Patient Safety, member (2016-2017)
- American Society for Microbiology, President-elect of Graduate Student Chapter at the University of Illinois (2009-10)

ACTIVITIES

- **Teaching Health Center Graduate Medical Education Advocacy (2017)** – Advocacy on capitol hill to support primary care access to rural and urban medically underserved areas
<https://youtu.be/lyZs1hwgkMs>
- **Faith and Politics Institute: Civil Rights Pilgrimage** - part of 2014 Delegation to Mississippi, Selma, AL to commemorate “Mississippi Freedom Summer”. Pilgrimage lead by Congressman John Lewis (March 7-9, 2014)
- **United Health Foundation: Diverse Scholars Initiative** - Participated in 5th Annual Diverse Scholars Forum in Washington, DC (July 24-26, 2013)

VII. SKILLS/TRAINING/CERTIFICATE

CLINICAL CERTIFICATIONS

- Diplomate of the American Board of Preventive Medicine, Board Certification in Occupational and Environmental Medicine (Jan 2023)
- Workplace Injury Labor Management Approved Provider (WILMAPC), State of Ohio Bureau of Workers Compensation (April 2023)
- Enhanced Care Program (ECP), State of Ohio Bureau of Workers Compensation (May 2023)
- **Certified Independent Medical Examiner**, American Board of Independent Medical Examiners (April 2023)

- Certified Medical Review Officer, Medical Review Officer Certification Council (Feb 2023)
- Certified Medical Examiner, Federal Motor Carrier Safety Administration, (Aug 2019)
- ACLS/BLS (June 2020)
- NRP, Neonatal Resuscitation Program Certified (July 2018)
- ALSO, Advanced Life Support in Obstetrics (July 2016)
- PALS, Pediatric Advanced Life Support Certified (July 2018)
- FCCS, Fundamental Critical Care Support Certification (June 2018)

TEACHING CERTIFICATIONS

- Medical Education Clinical Scholar, Northwestern (2017-2018)
- Teacher Scholar Certificate, UIUC (5.03.2011)
- Graduate Teacher Certificate, UIUC (5.03.2011)

LABORATORY SKILLS

- Clinical Laboratory Method Validation, CLIA Waived Testing Proficiency
- Tissue Culturing (1 year), Protein & DNA Analysis (5 years), and Gel Chromatography (2 years)

LANGUAGE(S)

- Spanish, Secondary (Intermediate)
- English, Primary (Native)