

# Ian Brodka

## Professional Profile

A second year Emergency Medicine resident at the University of Michigan involved in local emergency medical services and community health, with a focus on critical care medicine, practicing in resource limited environments, and policy action for improving medical care.

## Education

**University of Rochester: School of Medicine and Dentistry, Rochester, NY** August 2019 – May 2023

**University of Rochester: College of Arts and Sciences, Rochester, NY** August 2015 – May 2019

- Major: Chemistry: highest distinction (*magna cum laude*); Minor: History, GPA: 3.94/4.00

**Applied Technology Laboratory for Advanced Surgery, Buffalo, NY** June 2015 – August 2015

- Learning the basics of using a DaVinci surgical robot and practicing with the machine at the Roswell Cancer Institute

**Canisius High School, Buffalo, NY** September 2011 – May 2015

## Work Experience

**University of Michigan – Ann Arbor, Ann Arbor, MI** June 2023 – June 2027

- PGY-2, Emergency Medicine Residency

**Honeoye Falls Mendon Volunteer Ambulance, Honeoye Falls, NY** August 2019 – June 2023

***Emergency Medical Technician - Basic***

- Work in a basic and advanced life support team to respond to emergency calls and events to provide effective and efficient emergency medical care in Honeoye Falls and surrounding areas
- Operate an emergency vehicle to safely transport patients and crew to local and long-distance destinations

**Human Structure and Function Tutor, Rochester, NY.** September 2020 – November 2020

- Assist and tutor first year medical students requiring extra exposure to concepts and practicing application of material in their anatomy and physiology course

**Monroe Ambulance, Rochester, NY** June 2018 – March 2020

***Emergency Medical Technician – Basic***

- Work in a basic and advanced life support team to respond to emergency calls and events to provide effective and efficient emergency medical care to the Village of Honeoye Falls and surrounding areas
- Operate an emergency vehicle to safely transport patients and crew to local and long-distance destinations

**Varsity Tutors, Rochester, NY** **March 2017 – January 2020**

- Provide private tutoring sessions across subjects of biology, chemistry, and physics

**Biology Department Teaching Assistant** **January 2016 – May 2019**

- Independently running workshops on class material where I assist students with concepts. Assist the grading of exams with a deadline according to the given rubric
- Run labs for students in introductory biology courses by demonstrating techniques and troubleshooting problems they encounter

**University of Rochester Barnes and Noble, Rochester, NY** **August 2018 – September 2018**

- Sell books and merchandise, sort items, help customers find and order books, and operate the register

**Student Transportation of America, Gasport, NY** **June 2012 – August 2016**

- Clean buses and help the mechanic around the bus garage. Summer job during the years listed

## **Leadership and Community Service**

**American Medical Association (AMA)**

**RFS Council on Science and Public Health Member** **July 2023 – July 2025**

- Work on reports to the RFS providing summarized evidence pertaining to policies on science or public health matters

**RFS Alternate Delegate from ACEP** **October 2023 – November 2024**

- Representing views of Emergency Medicine and voting on potential policy matters within the Resident and Fellow Section (RFS) and to the AMA House of Delegates

**Emergency Medicine Residents' Association (EMRA)**

**Wilderness Medicine Committee – Assistant Vice Chair** **January 2024 – December 2024**

- Assist with the operations of the Wilderness Medicine Committee
- Help organize, plan, and run the MedWAR at ACEP 2024

**Reference Committee – Chair** **February 2024 – March 2024**

- Organize and guide Reference Committee to provide recommendations for policy decisions at Representative Council Spring 2024

**Leadership Academy** **March 2023 – March 2024**

- Learn and develop personal leadership attributes for use in Emergency Medicine
- Create and execute a capstone project through the course of the academy

**Reference Committee Member** **September 2023 – October 2023**

- Hear testimony for resolutions put forward to be considered at ACEP23 and craft recommendations put forward to Representative Council for voting approval

**Bylaws Committee Member** **April 2023 – October 2023**

- Work through a revision of EMRA Bylaws and update sections as needed to best represent practices and missions of the organization. Successfully approved at ACEP23

**Medical Student Council - AMA-MSS Representative** **March 2022 – March 2023**

- Member of the Medical Student Council and intermediary between AMA and MSC
- Review and seek input on resolutions put forward by the AMA-MSS to identify those pertinent to the practice of Emergency Medicine

- Co-author article in *EM Resident* informing EMRA membership about issues pertinent to practice Emergency Medicine

**UR Medical Emergency Response Team (MERT) October 2016 – May 2023**

***Emergency Medical Technician – Basic, Crew Chief***

- First respond to medical calls on the UR Undergraduate as a team of 3 to perform any interventions needed and decide if patient requires transport to Strong Memorial Hospital. Transportation was coordinated through AMR ground ambulance agency
- Supervise the training of Crew Chief Trainees through on scene and interactive scenarios

**Global Organization for Wilderness Medicine Education March 2022 – March 2023**

***Finance and Resource Coordinator***

- Manage the financial resources of the organization
- Properly log and expand the wilderness medicine resources webpage for the organization
- Reach out to potential speakers and help coordinate future lectures

**New York Emergency Medicine Student Council (NYEMSC) March 2022 – March 2023**

***Western New York/Upstate Liaison***

- Coordinate NYEMSC events amongst the Emergency Medicine Interest Groups (EMIGs) of medical schools in the Western New York and Upstate regions
- Disseminate events and opportunities to EMIGs in the region
- Assist with organization and execution of NYEMSC events

**University of Rochester Street Outreach September 2019 – March 2023**

***Rounds Leader (December 2019 – Present), Treasurer (March 2020 – March 2021)***

- Serve as member of an outreach program to the homeless populations of Rochester providing basic medical care, access to resources to help individuals' current conditions, and distributing food, clothing, hygiene items, and Narcan kits
- Maintain the budget for the group through medical school administration and provide reimbursement to members for purchases on behalf of the group. Participate in the executive board decisions for the group
- Expand operations to new locations utilizing the help and coordination with two different groups in the Rochester area: House of Mercy and the Rochester City Library

**Bioethics Interest Group (BIG Thoughts) May 2020 – May 2021**

***Student Leadership***

- Organize bioethics discussions around current events and historical medicine practices on a monthly basis as one of three student leaders
- Facilitate clinical ethics discussions from cases discussed by the Strong Memorial Hospital Ethics Committee in a student run group setting. Discussions revolve around what the students would want to know and do in the given situations and ethics of the clinical encounter

**Dunkirk Camp and Conference Center August 2011 – August 2019**

***Camp Counselor***

- Counselor for one and two weeklong summer camps for children ages 5-15. Responsibilities included watching campers during activities, facilitating activities, and assisting in grounds management

**All-Campus Judicial Council March 2016 – May 2019**

- Adjudicating conduct and academic honesty cases as a peer group of the accused student

- Interpreting and implementing the written rules of the University of Rochester as a student adjunct of the Center for Student Conflict Management
- Act as a member of the judicial branch of student government and decide the fate of appeals brought before the student body

**Beta Theta Pi, Eta Chi Chapter****January 2019 – May 2019*****VP of Finance***

- Acting member of the finance committee and executive board; assisting with program planning; participating and organizing charity events
- Managing the chapter's finances, constituting over \$40,000 dollars every year

**University of Rochester Chemistry Department****March 2017 – October 2017*****Matson Chemistry Group, Research Assistant***

- Researching water oxidation catalysis to create oxygen gas from water

**Interclass Living Community (ICLC)****May 2016 – May 2017*****Hall Council Representative***

- Organizing a student program once per semester for the ICLC community; assisting with community service projects the organization ran
- Representing ICLC's collective voice to hall council; pitching ideas and executing the council's plans

**University of Rochester Quidditch Team****May 2016 – December 2016*****Business Manager***

- Responsibilities included handling financial accounts, organizing team fundraisers, and managing equipment orders
- Participate in group decisions that needed to be made by the collective executive board for the team

**Research****Researcher**, Department of Internal Medicine, University of Rochester, Rochester, NY **10/2021-6/2022**

Advisor, Catherine Moore, MD

- Performed chart review of ANCA+ vasculitis patients diagnosed by URMC pathology labs in the past 5 years to look for increased incidence and new risk factors before and during the COVID-19 pandemic

**Researcher**, Department of Emergency Medicine, University of Rochester, Rochester, NY **9/2021-5/2022**

Advisor, Malik Sams, MD

- Performed chart review to assess the use of restraints on patients in the ED during the 2019 calendar year
- Investigate if any characteristics of patients correlate to higher rates of restraint use in the ED environment

**Researcher**, Department of Neurosurgery, University of Rochester, Rochester, NY **6/2020-6/2021**

Advisor, Jonathan Stone, MD, MSe

- Create a standardized 3D model for Pediatric Central Line Placement simulation from MRI scans using CAD based programming

**Researcher**, Department of Chemistry, University of Rochester, Rochester, NY **5/2017-8/2017**

Advisor, Ellen Matson, PhD

- Synthesized inorganic compounds from primary literature protocols for the use in water oxidation catalysis as an alternate method of creating hydrogen and oxygen gases from water.

## **PUBLICATIONS/PRESENTATIONS**

### **PUBLICATIONS**

**Brodka, I**, Bunemann G, Morgan K, Lund N. (2024, Mar 14). National Bias Reporting. *EMRA Policy Compendium*. Pub Status: Published.

Zhang XC, Rusnack F, **Brodka I**. Chapter 5. Applying for Away Rotations. In: Karl E, Chandra S, Hillman EA, et al., eds. *EMRA and CORD Student Advising Guide, 2023*. Emergency Medicine Residents' Association; 2023:41-52.

**Brodka, I**. (2022, Oct 2). Expanding Resident Experience to Rural and Critical Access Hospitals. *EMRA Policy Compendium*. Pub Status: Published.

Gappy R, **Brodka I**, Cohen K, Geller J, Lumbreras T, Lund N, Morgan K, Bunemann G. (2022, Oct 2). Standardizing Away Rotation Applications. *EMRA Policy Compendium*. Pub Status: Published.

Timmreck A, **Brodka I**, Geller J, Rammaha S, Millon J. (2022, Oct 2). Supporting populations experiencing homelessness. *EMRA Policy Compendium*. Pub Status: Published.

**Brodka I**, Lee A, Bawany F, O'Connor R, Love T, Choung H, Moore C. ANCA+ Glomerulonephritis: A Comparison of Epidemiology and Phenotype Before and After the COVID-19 Pandemic. *ASN's 2022 Abstract Supplement*; October, 2022. Pub Status: Published.

**Brodka I**, Lumbreras T. Proposals, Politics, and Potatoes: An Update from the Annual AMA House of Delegates. *EMRA Medical Student Newsletter*. June 2022. Pub Status: Published.

Sams M, Olverson G, Kittel-Moseley J, **Brodka I**, Quinn R, Rotoli J, Jones C. Racial Disparities in Care: Case Series of Demographic and Clinical Characteristics in Physical Restraint Use. Paper presented at: Society of Academic Emergency Medicine Annual Meeting 2022; May 10-13, 2022; New Orleans, LA.

**Brodka I**, Lee A. Article Bites #34: Bringing The Stroke Center To The Stroke: How Effective Are Mobile Stroke Units? *EMS Med*. November 2021. <http://www.naemsp-blog.com/emsmed/2021/11/2/bringing-the-stroke-center-to-the-stroke-how-effective-are-mobile-stroke-units>. Pub Status: Published

Hammerman S, Schroeder M, Dunton Z, Heffron A, Issa T, Rubakovic A, Surabhi D, Ship H, Solly M, Stegall H, Amba V, Yasin S, **Brodka I**. (2021, June 06). Use of Non-Police Mental Healthcare Worker Teams to Respond to Appropriate 911 Calls. *American Medical Association Medical Student Section Digest of Policy Actions*. Pub Status: Published.

Nadeem S, **Brodka I**, et al. EMRA Simulation Guide. Wu T, Strobel E, eds. Pub Status: Published

### **POSTER PRESENTATIONS**

**Brodka I**, Jeoung S. UR Well Clinic Development Projects. University of Rochester Medical Student Research Symposium, 9/2020, Rochester, NY.

**Brodka I.** Synthesis of Inorganic Water Oxidation Catalysts. University of Rochester Undergraduate Summer Research Symposium, 8/2017, Rochester, NY.

## ORAL PRESENTATIONS

**Brodka, I.** Intern Insights: Transient Global Amnesia. 1/2024. Ann Arbor, MI.

**Brodka, I.** Hot Takes Lecture Series: Why NG Tubes Should Not Be Used In SBO. 1/2024. Ann Arbor, MI.

Hoffman S, Han D, Winters C, **Brodka I**, Lee A, Dorsett M. Racial and Ethnic Differences in Bystander CPR for Witnessed Cardiac Arrest. EMS Journal Club, 1/2023. Rochester, NY.

Hoffman S, **Brodka I**, Lee A, Dorsett M. Efficacy of Field Guide Implementation at Reducing Pediatric Medication Errors. EMS Journal Club, 10/2022. Rochester, NY.

Lee A, Jeoung S, **Brodka I**, Dorsett M. Inclined Positioning and First-Pass Success During Endotracheal Intubation. EMS Journal Club, 7/2022. Rochester, NY.

Jeoung S, Lee A, **Brodka I**, Dorsett M. Sex and Gender Equity in Prehospital Electrocardiogram Acquisition. EMS Journal Club, 4/2022. Rochester, NY.

**Brodka I**, Lee A, Jones A, Dorsett M. Hypothermia Management in the Prehospital Setting. EMS Journal Club, 3/2022. Rochester, NY.

Jones A, **Brodka I**, Lee A, Dorsett M. Mobile Stroke Units and Patient Outcomes. EMS Journal Club, 10/2021. Rochester, NY.

**Brodka I**, Lee A, Dorsett M. Evidence-Based Recommendations for Prehospital Care of Respiratory Distress. EMS Journal Club, 8/2021. Rochester, NY.

Lee A, **Brodka I**, Dorsett M. Pulmonary Complications of Opioid Overdose treated with Naloxone. EMS Journal Club, 4/2021. Rochester, NY.

**Brodka I**, Lee A, Dorsett M. IV vs IO Epinephrine Administration in Prehospital Cardiac Arrests. EMS Journal Club, 1/2021. Rochester, NY.

## **Honors, Recognitions, & Awards**

- EMRA Medical Student Councilor of the Year Award (2023)
- 2022 AMA Foundation Dr. Duane and Joyce Cady/Medical Society of the State of New York Physicians of Tomorrow Scholarship (2022)
- Wilderness Medical Society Winter 2022 Conference Scholarship (2022 – \$200)
- Summer Community Outreach Funding (2020)
- David Baldwin, M.D. Scholarship (2020)
- Fannie & Henry Rice Scholarship (2019-2020)
- Spartan Race Trifecta Finisher (2019)
- University of Rochester Dean’s List (2015-2019)
- Genesee Undergraduate Merit Scholarship (2015-2019)
- Rochester Research and Innovation Grant (2015-2019)
- Rochester Early Medical Scholar (2015 – 2019)
- New York State Scholarship for Academic Excellence (2015)
- Epiphany UCC Scholarship (2015)
- Eagle Scout (2014)

## **Memberships**

- American Medical Association
- Emergency Medicine Residents’ Association
- American College of Emergency Physicians
- American Academy of Emergency Medicine
- Wilderness Medical Society
- Phi Beta Kappa (2019)
- Beta Theta Pi (2015 – 2019)
- Order of Omega (2018)

## **Certifications**

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|---|-----------------------|
| • Pediatric Advanced Life Support Certification                               | Expiration: 1/2026    |
| • Advanced Cardiac Life Support Certification                                 | Expiration: 6/2025    |
| • New York State EMT-Basic Certification #449748                              | Expiration: 8/31/2025 |
| • American Heart Association BLS Provider                                     | Expiration: 9/2024    |
| • Advanced Trauma Life Support  | Expiration: 10/2027   |
| • Advanced Wilderness Life Support  |                       |
| • FEMA Emergency Management Institute IS-100b, IS-200b, IS-700a Certification |                       |

- Geriatric Education for EMS, NYS Mandated Reporter Training, NYS “Reversing Opioid Overdose” Training, EMS MOLST Training
  - Half and Half MAT Waiver Training
- Completion: 3/30/2020

## **Skills**

- Experienced in first responder knowledge and application of skills to stabilizing patients in the field
- Experienced in improvisational and creative exercises amongst colleagues, friends, and peers
- Experience (limited) in coding languages Java and Python
- Experienced and trained in the use of cameras to capture scenes and landscapes. Also experienced in the manipulation and editing of serial photos into one composite image
- Experienced in the hands-on fields of woodworking, blacksmithing, metal casting, and welding
- Trained in organic & inorganic chemistry lab techniques