

Amanda L. Brezzell

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EDUCATION

Georgetown University

Masters of Science in Biohazardous Threat Agents and Emerging Infectious Diseases

Washington, D.C.
Dec 2019

Concentrations:

- **Community Resilience**
- **Disaster Relief and Recovery**
- **Global Food Security**
- **Environmental Policy and Sustainability**

Eastern Michigan University

Bachelor of Science in General Studies

Ypsilanti, MI
Aug 2018

Concentrations: **Biology, Chemistry, African American Culture**

Honors College, 2015-2018

RELEVANT EXPERIENCE

Groundwork Center for Resilient Communities

Policy and Engagement Specialist

Detroit, MI, Remote
Nov 2022-Present

- Farm to school policy
- Political engagement
- Community resource and connection building
- Agriculture and the building of local food systems

Fennigan's Farms LLC

Co-Founder, Sustainable Agricultural Design and Community Farm

Detroit, MI, Remote
Oct 2019-Present

- Complex project development and management
- Community resilience and Urban Food Stability
- Environmental policy review
- Stakeholder partnership development and community engagement
- Global Food Security

Wayne State University, Center for Urban Studies

Program Director: AmeriCorps Climate R.E.A.D.Y.

Detroit, MI
Feb 2022-Nov 2022

- Urban climate change analysis and mitigation
- Complex program management
- Community resilience and sustainability
- AmeriCorps program and member development
- Climate crisis education and strategy development

Johns Hopkins University

Research Associate, Epidemiology and Infection Control

Baltimore, MD
Jun 2018 – Aug 2019

- Clinical Research, Epidemiology
- Complex project and information database management
- Created efficiency algorithms for healthcare staff
- Stakeholder partnership development
- Statistical data analysis

University of Michigan, Michigan Medicine

Clinical Research Assistant, Neurosurgery

Laboratory Research Assistant, Neurosurgery

Ann Arbor, MI
May 2015 - Sept 2017
Jan 2015 - Apr 2018

- Sample and tissue preservation
- Manuscript Preparation
- PCR and ELISA for analysis
- DNA and RNA extraction from blood and tissue samples

CERTIFICATES

Johns Hopkins University, Bloomberg School of Public Health
Certified Contact Tracer

Baltimore, MD
 July 2020

VOLUNTEER EXPERIENCE

Takoma Park Academy
Director: Community Garden and Outreach

Takoma Park, MD
 May 2019 – Feb 2020

- Garden Project Management
- Oversaw budget and planning for new greenhouse build
- Maintained greenhouse and introduced innovative growing techniques
- Developed and implemented training workshops
- Proposal and grant management

Feeding America
Food Bank Volunteer

Maryland, U.S.A.
 May 2019- Jan 2020

SKILLS**Biohazardous Applications- 7 years**

Crisis Management
 Disaster Response and Recovery
 Emergency Management
 Emissions Testing
 Hazardous Materials Disposal
 Incident Reporting

Hard Sciences

Biochemistry- 7 Years
 Cell Biology- 7 Years
 Disease Biology- 7 Years
 Global Health- 5 Years
 Life Sciences- 7 Years

Environmental Sciences

Conservation Science- 7 Years
 Community Conservation
 Community Resilience
 Ecology and Biodiversity- 6 Years
 Environmental Sustainability
 Environmental Compliance
 Global Conservation

Agriculture- 5 years

Agribusiness Systems
 Community Conservation
 Entry Level Vitology and Encology
 Food and Beverage Production
 Food Science
 Food Safety

Microbiology- 7 Years

Agar Slant Inoculation
 Bacteriological culture methods
 Cell Staining
 DNA and RNA Extraction
 Gram Staining
 In vitro and live tissue experiment
 PCR and ELISA
 Streak Isolation

Analytical Chemistry- 7 years

High Performance Liquid Chromatography
 Gas Chromatography
 Liquid Chromatography/Mass Spectrometry

Equipment and Technology- 7 years

Advanced Data Analysis using MatLab and Qualtrics
 Data Entry and Statistical Analysis
 Data Modeling
 Laboratory Data Management
 Microsoft Office
 NanoDrop Technology

Additional

Multiculturally Competent Team Management- 8 years
 Customer Service- 8 Years
 Food and Beverage Service- 7 Years
 Supervisory Experience- 7 Years
 Sales and Negotiation- 8 years

PUBLICATIONS

Altshuler D, Wang L, Shah G, Kluin K, Brezzell A, Cao Y, Hervey-Jumper SL. White matter changes linked to language recovery in adult glioma (2016) *Journal of Neuro-Oncology*, 18(6) vi122

Altshuler DB, Wang L, Brezzell A, Hervey-Jumper SL. et al. *BDNF*, *COMT*, and *DRD2* polymorphisms and ability to return to work in adult patients with low- and high-grade glioma. *Neurooncol Pract*. 2019 Sep;6(5):375-385. doi: 10.1093/nop/npy059. Epub 2019 Apr 10.

Gabel N, Altshuler DB, Brezzell A, Hervey-Jumper SL. et al. Health Related Quality of Life in Adult Low and High-Grade Glioma Patients Using the National Institutes of Health Patient Reported Outcomes Measurement Information System (PROMIS) and Neuro-QOL Assessments. *Front Neurol*. 2019 Mar 15;10:212. doi: 10.3389/fneur.2019.00212.

Gabel N, Brezzell A, Altshuler DB, Briceno EM, et al. Patient perspectives on quality of life management in adult glioma: the rationale for a multidisciplinary neuro-rehabilitation approach. (2019) *Journal of Neuro-oncology*

Miklja Z, Gabel N, Altshuler D, Wang L, Hervey-Jumper SL, Smith S. Exercise improves health-related quality of life sleep and fatigue domains in adult high- and low-grade glioma patients. *Support Care Cancer*. 2020 Feb;30(2):1493-1500. doi: 10.1007/s00520-021-06566-2. Epub 2021 Sep 16.

Nathan JK, Brezzell AL, Kim MM, Leung D, Wilkinson DA, Hervey-Jumper SL. Early initiation of chemoradiation following index craniotomy is associated with decreased survival in high-grade glioma. *J Neurooncol*. 2017 Nov;135(2):325-333. doi: 10.1007/s11060-017-2577-7. Epub 2017 Jul 25.

**ADDITIONAL
RESEARCH
EXPERIENCE**

Wayne State University Center for Urban Studies
Urban Climate Change

Feb 2022 - Present

Eastern Michigan University Faculty Research
Dr. David Wozniack, College of Business
Dr. Patrick Pieh, College of Arts and Sciences

Sep 2016 - Apr 2017

Sep 2017 - Apr 2018