

## CRYSTAL A. MENDOZA

716 3<sup>rd</sup> St Street NW, Rochester, MN 55901 | 507-538-7620 | Mendoza.Crystal@mayo.edu

### EDUCATION

Mayo Clinic, Rochester, MN  
**Ph.D. in Biological Sciences, Virology and Gene Therapy Track** 2019  
**GPA: 3.31**

**University of Texas at El Paso, El Paso, TX**  
**B.S. in Cell and Molecular Biochemistry** 2013  
Minor: English and American Literature  
**GPA: 3.78**

El Paso Community College, El Paso, TX  
**A.S. in Physics with Honors** 2010

### AWARDS

University of Texas at El Paso Presidential Scholarship 2011 – 2013  
Dean's List 2010 – 2013

### TEACHING EXPERIENCE

Mayo Clinic, Rochester, MN  
**Taught Viral Disease Lecture** July 20, 2017

Mayo Clinic, Rochester, MN  
**Teaching Assistant- Graduate Molecular Cell Biology Course** Winter 2015

University of Texas at El Paso, El Paso, TX  
**Peer Leader for Molecular Cell Biology** Spring 2012  
Co-taught lab course and administered grades

### RELATED EXPERIENCE

NIH, Bethesda, MD  
**Intramural NIAID Research Opportunities (INRO) Participant** 2013

University of Texas at El Paso, El Paso, Texas  
**Research Initiatives for Scientific Enhancement Scholar** 2011 – 2013

Mayo Clinic, Jacksonville, FL  
**Summer Undergraduate Research Fellowship** 2012

University of Texas at El Paso, El Paso, TX  
**Howard Hughes Medical Institute Summer Program for Early College High School Students** 2010

### PUBLICATIONS

- The nectin-4/afadin protein complex and intercellular membrane pores contribute to rapid spread of measles virus in primary human airway epithelia. Brajesh K. Singh, Andrew L. Hornick, Sateesh Krishnamurthy, Anna C. Locke, **Crystal A. Mendoza**, Mathieu Mateo, Catherine L. Miller-Hunt, Roberto Cattaneo, and Patrick L. Sinn. *Journal of Virology*. 2015 Jul 15;89(14):7089-96. doi: 10.1128/JVI.00821-15. Epub 2015 Apr 29.
- Poly (ADP-ribose) Polymerase-1 Promotes Transcriptional Repression of Integrated Retroviruses. Murilo Bueno, Daniel Reyes, Luis Valdez, Adarsh Saheba, Eduardo Urias, **Crystal Mendoza**, Oliver Fregoso, and Manuel Llano. *Journal of Virology*. doi: 10.1128/JVI.01668-12. Epub 2012 Dec 19.

### ORAL PRESENTATIONS

- Institute for Molecular Virology. Minneapolis, MN. "The nectin-4-afadin complex and intercellular membrane pores contribute to rapid spread of measles virus in primary human airway epithelia".
- American Society for Virology. London, Ontario, CA. "The role of the measles virus matrix protein in cell-associated epithelial spread".

**POSTER PRESENTATIONS**

- Mayo Graduate School of Biomedical Sciences Student Symposium. Mayo Clinic. Rochester, MN. "Development of Dual-Targeting Therapeutics against Tick- Borne Pathogens". September 19, 2017.
- Mayo Graduate School Research Symposium. Mayo Clinic. Rochester, MN. "Roles of the Matrix Protein in Measles Virus Intercellular Spread". 2016.
- Society for the Advancement of Chicanos and Native Americans (SACNAS) poster presentation. Washington, D.C. "The role of the measles virus matrix protein in cell-associated epithelial spread". 2015.
- Mayo Graduate School Research Symposium. Mayo Clinic. Rochester, MN. "Roles of the Matrix Protein in Measles Virus Intercellular Spread". 2015.
- Mayo Graduate School Research Symposium. Mayo Clinic. Rochester, MN. "Rapid measles virus intercellular transport in the airway epithelium: roles of the matrix protein". 2014.
- Annual Biomedical Research Conference for Minority Students. St. Louis, MO. "Poly [ADP-ribose] Polymerase 1 Restricts HIV-1 Infection". 2011.

**LEADERSHIP**

- |  |              |
|--|--------------|
| • Co-President- Mayo Clinic College of Medicine SACNAS Chapter                     | 2016-Present |
| • Virology and Gene Therapy Track Representative: Mayo Graduate School Association | 2015-Present |
| • Mayo Diversity in Education Blog Editor  | 2014-Present |

**MEMBERSHIPS**

- |  |              |
|--|--------------|
| • American Society for Virology  | 2015-Present |
| • American Society for Microbiology  | 2011-Present |
| • Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) | 2012-Present |