

Jose L. Martinez

University of Wisconsin – Madison
Cellular and Molecular Biology Graduate Program
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EDUCATION

Ph.D.	Cellular and Molecular Biology University of Wisconsin, Madison, Wisconsin, USA Advisor: Anita Bhattacharyya, Ph.D.	Expected 2024
M.S.	Cellular and Molecular Biology University of Wisconsin, Madison, Wisconsin, USA	May 2022
M.A.	Public Affairs University of Wisconsin, Madison, Wisconsin, USA	May 2021
B.S.	Biochemistry and Molecular Biology University of California Santa Cruz, Santa Cruz, California, USA Advisor: Pradip K. Mascharak, Ph.D.	June 2014

SCIENTIFIC JOURNAL PUBLICATIONS

- J.L. Martinez**, I. Sorci, N. Makwana, C. Sirois, Y. Giffin-Rao and A. Bhattacharyya (2022) Early Developmental Origins of Transcriptional Changes in Down Syndrome. **In Preparation**
- I. Cabrerros, S. Baxi, L. S. Meredith, S. Holliday, **J.L. Martinez**, T. Piquado. (2022) U.S. Military Health Care Professionals' Practice, Knowledge and Misconceptions About Concussion. *Journal of Head Trauma Rehabilitation*. **Under Review**
- J.L. Martinez**, M.D. Zammit, N.R. West, B.T. Christian and A. Bhattacharyya (2021) Basal Forebrain Cholinergic Neurons: Linking Down Syndrome and Alzheimer's Disease. *Front. Aging Neurosci.* 13:703876. doi: 10.3389/fnagi.2021.703876
- B. N. Flores, X. Li, Ahmed M. Malik, **J. L. Martinez**, Asim A. Beg and Sami J. Barmada. (2019). An Intramolecular Salt Bridge Linking TDP43 RNA Binding, Protein Stability, and TDP43-Dependent Neurodegeneration. *Cell Reports*, 27, 1133-1150. PMID: 31018129
- H. Prior, L. P. MacConnachie, **J. L. Martinez**, G. Nicholl and A. A. Beg. (2018). A Rapid and Facile Pipeline for Generating Genomic Point Mutants in *C. elegans* using CRISPR/Cas9 Ribonucleoproteins. *JoVE*57518.
- M. A. Gonzalez, S. J. Carrington, N. L. Fry, **J. L. Martinez** and P. K. Mascharak. (2012). Syntheses, Structures and Properties of New Manganese Carbonyls as Photoactive CO-releasing Molecules (photoCORMs): Design Strategies that Lead to CO Photolability in the Visible Region. *Inorg. Chem.*, 51, 11930-11940. PMID: 23088740

AWARDED FELLOWSHIPS

- Morse Scholar** May 2022 – May 2023
The Morse Society
Waisman Center, Madison, Wisconsin, USA
- Yale Ciencia Academy** May 2022 – May 2023
Yale Ciencia Initiative
Yale University, New Haven, Connecticut, USA
- NIH R36 Dissertation Grant** March 2021 – February 2023
Waisman Center
University of Wisconsin, Madison, Wisconsin, USA
- Biotechnology Training Program-NIH T32** September 2019 – February 2021
Department of Biochemistry
University of Wisconsin, Madison, Wisconsin, USA
- University of Wisconsin Advanced Opportunities Fellowship** August 2018
SciMed Graduate Research Scholars
University of Wisconsin, Madison, Wisconsin, USA
- Post-baccalaureate Research Education Program(PREP) Fellow** July 2017 – July 2018
Department of Pharmacology
University of Michigan Medical School, Ann Arbor, Michigan, USA
Advisor: Asim A. Beg, Ph.D.

HONORS AND AWARDS

- Student Highlight** March 2022
Biotechnology Training Program News Highlight, University of Wisconsin, Madison, Wisconsin, USA

2. **CommSciCon Workshop Fellow** February 2018
Seattle, Washington
3. **2018 Society for Neuroscience Trainee Professional Development Award (TPDA)** September 2018
4. **SACNAS University of Michigan Chapter Recognition Award** May 2018

CONFERENCE POSTER PRESENTATIONS

1. **Jose L. Martinez**, Nicole West, Anita Bhattacharyya (March 2021). Understanding the Susceptibility of Basal Forebrain Cholinergic Neurons: A Human Stem Cell Model for Down syndrome – Alzheimer’s Disease. Virtual poster presented at the Alzheimer’s Disease and Related Dementias Research Day hosted at the University of Wisconsin in Madison, Wisconsin, USA.
2. **Jose L. Martinez**, Carissa L. Sirois, Yathi Giffin-Rao, Anita Bhattacharyya (February 2020). Gene Expression Analysis of Cortical Progenitors from Trisomy 21 iPSC Models. Poster presented at the American Association for the Advancement of Science Meeting hosted in Seattle, Washington, USA.
3. **Jose L. Martinez**, Carissa L. Sirois, Yathi Giffin-Rao, Anita Bhattacharyya (November 2019). Gene Expression Analysis of Dorsal and Ventral Cortical Progenitors from Down syndrome iPSC Models. Poster presented at the Society for Neuroscience Meeting hosted in Chicago, Illinois, USA.
4. **Jose L. Martinez**, Asim A. Beg (February 2019). Developing a Plausible Model for TDP-43 Driven ALS Pathology. Poster presented at the American Association for the Advancement of Science Meeting hosted in Washington, DC, USA.
5. **Jose L. Martinez**, Asim A. Beg (November 2018). Developing a Plausible TDP-43 Model Driven ALS Pathology. Poster presented at the Society for Neuroscience Meeting hosted in San Diego, California, USA.
6. **Jose L. Martinez**, Asim A. Beg (June 2018). Developing a Plausible Model for TDP-43 Driven ALS/FTD Pathology. Poster presented at the CeNeuro Meeting hosted at the University of Wisconsin, Madison, Wisconsin, USA.
7. **Jose L. Martinez**, Asim A. Beg (April 2018). Building a Model for TDP-43 Driven ALS/FTD Pathology. Poster presented at the Midwest C.elegans Meeting hosted at Eastern Michigan University, Ypsilanti, Michigan, USA.

PUBLIC TALKS

1. **Jose L. Martinez** (May 2018). The Path of a Non-Traditional Scientist. Talk for the University of Michigan’s Developing Future Biologist Outreach Event, Ann Arbor, Michigan, USA.
2. **Jose L. Martinez** (May 2018). My Path to Becoming A Scientist. Talk for the Association of Multicultural Scientist’s Science Career Day, Ann Arbor, Michigan, USA.
3. **Jose L. Martinez** (March 2018). Ask A Scientist Night. Community outreach through science communication for Engaging Scientist in Policy and Advocacy, Ann Arbor, Michigan, USA.

UNIVERSITY AND COMMUNITY SERVICE

1. **Member** September 2018 – Present
SACNAS University of Wisconsin Chapter, Madison, WI
2. **Guest Speaker** March 2022
La Movidia Radio Show, Maravillas del Waisman, Madison, WI
3. **Committee Member** November 2021
Admissions Committee, CMB Program, University of Wisconsin, Madison, WI
4. **Panelist** April 2021
STEM Diversity Wrokshop, UC Santa Cruz, Santa Cruz, CA
5. **Panelist** April 2019
Senate Scholars, La Follette School of Public Affairs, University of Wisconsin, Madison, WI
6. **Volunteer** April 2019
UW Science Expeditions, University of Wisconsin, Madison, WI
7. **Panelist** February 2019
Multicultural Graduate Students in a Predominantly White Space, Multicultural Graduate Network, University of Wisconsin, Madison, WI
8. **Panelist** January 2019
Multicultural Graduate Students Panel, University of Wisconsin, Madison, WI
9. **Volunteer** November 2018
Science Night, Centro Hispano, Madison, WI
10. **Volunteer** November 2018
Science Day, Annie Greencrow Whitehorse Middle School, Madison, WI
11. **Volunteer** September 2018
Biosciences Opportunities Preview Program, University of Wisconsin, Madison, WI
12. **Volunteer** September 2018
Agrace Hospice Care, Madison, WI
13. **Board Member** September 2017 – July 2018
SACNAS University of Michigan Chapter, Ann Arbor, MI
14. **Chapter Member** September 2017 – July 2018
Association of Multicultural Scientists, Ann Arbor, MI

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| 15. Volunteer | June 2018 |
| Science Day, En Nuestra Lengua, Ann Arbor, MI | |
| 16. Volunteer | May 2018 |
| Developing Future Biologist, University of Michigan, Ann Arbor, MI | |
| 17. Volunteer | May 2018 |
| Science Career Day, Association of Multicultural Scientists (AMS), Ann Arbor, MI | |
| 18. Science Communication Outreach | April 2018 |
| Engaging Scientists in Policy and Advocacy (ESPA), Ann Arbor, MI | |
| 19. Science Fair Judge | March 2018 |
| Forsythe Middle School Science Expo, Ann Arbor, MI | |

PROFESSIONAL MEMBERSHIPS

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| 1. National Science Policy Network | 2019 – Present |
| 2. American Association for the Advancement of Science | 2018 – Present |
| 3. Society for Neuroscience | 2017 – Present |
| 4. Society for the Advancement of Chicanos and Native Americans in Science | 2010 – Present |
| 5. American Chemical Society | 2013 – 2014 |