



## Marwa Zafarullah

Postdoctoral Scholar, Neurology and Neurological Sciences

### Bio

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#### BIO

Dr. Marwa Zafarullah is a dedicated neuroscientist with extensive interdisciplinary experience spanning over 8 years in clinical and pre-clinical research. She holds a Ph.D. in Integrative Genetics and Genomics (IGG) from the University of California Davis, focusing on neuroscience, human genetics, and functional genomics. Before joining Stanford, Dr. Zafarullah harnessed the power of molecular biology with advanced technologies to delve into biomarkers related to the prediction, development, progression, and severity of Fragile X Syndrome and associated disorders.

Dr. Zafarullah's career journey reflects her commitment to advancing scientific knowledge, improving patient care, and positively impacting society through her research and contributions. She thrives in multi-disciplinary teams, aiming to enhance the quality of life for all individuals affected by various neurological conditions. Beyond her professional endeavors, she enjoys communicating complex scientific concepts to diverse audiences. Her continuous pursuit of excellence and her drive to bridge clinical practice and scientific innovation make her a true trailblazer in the field.

#### HONORS AND AWARDS

- Individual Development Fund, (\$400), UC Davis Graduate Student Association. (2021)
- Emmy Werner and Stanley Jacobsen Fellowship, (\$50,000), The University of California Davis, USA. (2020-2021)
- Leaders for the Future Fellowship, UC Davis Graduate School of Management. (2020-2021)
- Best Presenter Award (\$500), National Fragile X Foundation, USA (2020)
- Aggie Hero, Chancellor Gary May, UC Davis. (2019)
- International Travel Award (\$600), International premutation Conference Committee Netherlands (2019)
- Keller Pathway Fellowship, UC Davis Graduate School of Management. (2018-2019)
- Rosen/Weingarden Summer Fellowship, (\$2500), National Fragile X Foundation, USA (2017)
- Outstanding Service Award, Integrative Genetics and Genomics, UC Davis (2016)
- Agriculture Innovation program-HRD-USAID, MS Scholarship, (\$100,000), United States Agency for International Development (2015-2017)
- Pakistan Scottish Scholarship, (\$3000), Scottish Higher Education, Scotland. (2013)

#### STANFORD ADVISORS

- JW Day, Postdoctoral Faculty Sponsor

#### LINKS

- Day Lab Site: <https://med.stanford.edu/day-lab.html>

## Research & Scholarship

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### LAB AFFILIATIONS

- JW Day, Day Lab (8/21/2023)

## Publications

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### PUBLICATIONS

- **Blood Proteome Profiling Reveals Biomarkers and Pathway Alterations in Fragile X PM at Risk for Developing FXTAS** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*  
Zafarullah, M., Li, J., Salemi, M. R., Phinney, B. S., Durbin-Johnson, B. P., Hagerman, R., Hessler, D., Rivera, S. M., Tassone, F.  
2023; 24 (17)
- **Insight and Recommendations for Fragile X-Premutation-Associated Conditions from the Fifth International Conference on <i>FMR1</i> Premutation** *CELLS*  
Tassone, F., Protic, D., Allen, E., Archibald, A. D., Baud, A., Brown, T. W., Budimirovic, D. B., Cohen, J., Dufour, B., Eigles, R., Elvassore, N., Gabris, L. V., Grudzien, et al  
2023; 12 (18)
- **Intercorrelation of Molecular Biomarkers and Clinical Phenotype Measures in Fragile X Syndrome** *CELLS*  
Aishworiya, R., Chi, M., Zafarullah, M., Mendoza, G., Ponzini, M., Kim, K., Biag, H., Thurman, A., Abbeduto, L., Hessler, D., Randol, J., Bolduc, F. V., Jacquemont, et al  
2023; 12 (14)