



DR. MOHAN MUVVALA

Albuquerque, New Mexico

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Education

University of Illinois – Urbana Champaign	June 2023
Master of Business Administration	
Focus 1: Entrepreneurship and Strategic Innovation	
Focus 2: Mergers and Acquisition	
Burrell College of Osteopathic Medicine	May 2020
Doctor of Osteopathic Medicine	
The University of Tennessee, Knoxville, TN	May 2016
Primary Major: Biochemistry & Cellular & Molecular Biology	
Secondary Major: Neuroscience	
Minor: Psychology	

Work Experience

Lovelace Hospital	(October 2023 - Present)
Neumynd Inc.	(Mar 2019 – Present)
Founder and Chief Visionary Officer neumynd.com	
University Hospital Regional Hospital – Geauga	
Family Medicine Resident	(Jun 2020 – 2023)
Integrative Medicine Certification	
Weirdos Inc.	(Dec 2018 – 2022)
Co-Founder and Executive Vice President weirdos.tech	

Research Experience

University Hospitals – Bedford Primary Care

Project Title: Effects of photobiomodulation and acoustic therapy on patient satisfaction during primary care visit

Grant Funding: LECOM

University Hospitals – Richmond Primary Care

Project Title: Nutritional Medicine in Primary Care Setting

Grant Funding: LECOM

NASA, Ames Research Center – Dr. Yuri Griko

(June 2017 – August 2017)

Project Title: Role of Depressed Metabolism in Radiation Damage Prevention

UTK - Dr. Matthew Cooper, Psychology Dept.

(January 2015 – August 2016)

Co-Author: Metabolomics Reveals Distinct Neurochemical Profiles Associated with Stress Resilience

- Researched underlying mechanisms of stress-induced changes in behavior using social defeat in Syrian hamsters
- Performed brain extractions, social defeats, and immunohistochemistry

UTK - Dr. Nitin Jain, BCMB Dept.

(January 2014 – May 2014)

- Researched application of biochemical and biophysical approaches for elucidation of Structure/Dynamics-Function relationships in biomolecules
- Collaborated and experimented on cytochrome P450 family of enzymes aiding in cell growth and cell manipulation

St. John's Medical College - Dr. Thomas Mathew, Neurology Department

(May 2014 - August 2014)

Publications/Posters/Presentations

1. Mathew T, **Muvvala M**, Sarma G, Nadig R. Prolonged refractory dysphagia in polymyositis. *CHRISMED J Health Res* 2015;2:148-9 ([Publication](#))
2. Dulka, B. N., Bourdon, A. K., Clinard, C. T., **Muvvala, M. B.K.**, Campagna, S.R., and Cooper, M. A. (2017). Metabolomics reveals distinct neurochemical profiles associated with stress resilience. *Neurobiology of Stress*, 7, 103-112 ([Publication](#))
3. **Muvvala M** "Metacognition." Lunch and Learn. 30 August 2017, Las Cruces, Burrell College of Osteopathic Medicine
4. **Muvvala M**, Osorio A, Griko Y. Protective effects of Metabolic Suppression against life threatening environmental conditions: Snail Model; NASA/SP-2017-219550; NASA Ames Research Center ([Poster](#))

5. Chen R, Wu D, Nemeth D, **Muvvala M**, Mora J, Griko Y. Analysis of Differential Gene Expression in Active and Metabolically Suppressed Mice in Response to Gamma Radiation; NASA/SP-2017-219548; NASA Ames Research Center ([Poster](#))
6. **Muvvala M** (2017) "Protective effects of Metabolic Suppression against life threatening environmental conditions: Snail Model" *NASA Ames Research Center 2017 Office of Education Summer Abstract and Poster Book*. NASA/SP 219877 Page 321-322
7. Chen R, **Muvvala M** (2017) "Analysis of Differential Gene Expression in Active and Metabolically Suppressed mice in response to gamma radiation" *NASA Ames Research Center 2017 Office of Education Summer Abstract and Poster Book*. NASA/SP 219877 Page 76
8. Chen R, **Muvvala M** "Changes in Differential Expression of Genes in Normal and Metabolically Suppressed Mice in Response to Radiation" *2018 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. Honolulu, HI
9. **Muvvala M** "Metacognition." Lunch and Learn. 30 August 2017, Las Cruces, Burrell College of Osteopathic Medicine
10. **Muvvala M** "In this moment: Mindfulness in Psychiatric Population." 21 November 2018, Roswell, Eastern New Mexico Medical Center
11. **Muvvala M** "Water are you thinking about? Increasing Flow Experiences." 26 November 2018, Roswell, Eastern New Mexico Medical Center
12. **Muvvala M** "Let's make this stick: Tips for Preserving Memory." 1 December 2018, Roswell, Eastern New Mexico Medical Center
13. **Muvvala M** "Mechanistic actions of psychedelics on neurogenesis: Rebuilding the tapestry of consciousness" Cleveland Academy of Osteopathic Medicine, November 2022, Abstract
14. **Muvvala M**, Sandhu H, Klein, E. "Mechanistic actions of psychedelics on neurogenesis: Rebuilding the tapestry of consciousness" *The Journal of Psychedelic Psychiatry*, Volume 4, Issue 3
15. Haghgoo, N. Mankame, K. Debbah, Y. Cahilog, Z. Elwertowska, A. **Muvvala, M.** "Space Radiation Safety for Female Astronauts: A Thorough Study on Radiation-Induced Cancer" 73rd International Astronautical Congress (IAC), Paris, France
16. Rajput, S. Diamond, M. Mayor, I. Rosenberg, M. Bhakare, N.Hesham, A , **Muvvala, M.** "Medical Ethics Of Long Duration Space Flight" 73rd International Astronautical Congress (IAC), Paris, France
17. Hesham, A. Prusty, P. Ducai, T. **Muvvala, M.** Russomano, T. "Correlation Between Audiological and Psychophysiological Stress Profile Among Astronauts During Long-Duration Spaceflight Missions" 73rd International Astronautical Congress (IAC), Paris, France
18. Sayed, A. El-Monayar, O , Matula, E. **Muvvala, M.** "Sigma Fit Tech-Wear for Sustainable Colonies On Mars" 74th International Astronautical Congress (IAC), Baku, Azerbaijan
19. Tomassi, E. **et al.** "A perspective from the next generation: Building a sustainable, diverse and inclusive future for space exploration" 74th International Astronautical Congress (IAC), Baku, Azerbaijan

Awards/Nominations/Patents

1. New Mexico Space Grant
2. Student Doctor of the Year - Nominated
3. Application: "Brain stimulation system and method" Provisional filed June 05, 2019
4. Sigma Sigma Phi

Leadership

Student Osteopathic Surgical Association	Co-Founder/NLO	(2016 - 2018)
Student Osteopathic Medical Association	Executive Council	(2016 - 2018)
Sigma Sigma Phi - Beta Chi Chapter	Co-Founder/President	(2017 - 2018)
Journal of the American Osteopathic Association	Peer Reviewer	(2017 - Present)
White Coat Strategist	Admissions Consultant	(2018 - Present)
Theta Tau- Chi Gamma Chapter	Executive Council	(2012- 2016)
Undergraduate Research Students' Association	Member	(2012- 2016)
Advancement of Neuroscience	VP Communications	(2012- 2016)