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PROFESSIONAL EXPERIENCE

- 01.2012-current: **Texas A&M University**, College Station, TX
Assistant Professor of Biochemistry and Biophysics
- 2008-2011: **Harvard Medical School**, Boston, MA
Instructor in Medicine
Massachusetts General Hospital, Boston, MA
Assistant in Genetics
- 2005-2008: **Harvard Medical School**, Boston, MA
Postdoctoral Research Fellow, Advisor: Dr. Vamsi K. Mootha
Department of Systems Biology, MGH Center for Human Genetic Research, and
Broad Institute of Harvard and MIT

EDUCATION

- 1999-2005: **Wayne State University**, Detroit, MI
Ph.D., Biological Sciences, May 2005. GPA 3.98
Advisor: Prof. Miriam L. Greenberg
- 1995-1997: **Maharaja Sayajirao University of Baroda**, Baroda, India
M.S., Biochemistry, June 1997. First Class
- 1992-1995: **Mohan Lal Sukhadia University**, Udaipur, India
B.S. Botany, Chemistry and Zoology. June 1995. First Class

PUBLICATIONS

- Patil VA, Fox JL, **Gohil VM**, Winge, DR, & Greenberg ML. (2013). Loss of cardiolipin leads to perturbation of mitochondrial and cellular iron homeostasis. Journal of Biological Chemistry. 288(3):1696-705
- Gohil VM**[¶], Offner N, Walker JA, Sheth SA, Fossale E, Gusella, JF, MacDonald ME, Neri C, Mootha VK[¶] (2011). Meclizine is neuroprotective in models of Huntington's disease. Human Molecular Genetics. 20(2):294-300 [¶]Corresponding authors
- Perocchi F, **Gohil VM**, Girgis HS, Bao XR, McCombs JE, Palmer AE, Mootha, VK (2010). MICU1 encodes a mitochondrial EF hand protein required for Ca²⁺ uptake. Nature. 467(7313):291-6
- Gohil VM**, Nilsson R, Belcher-Timme CA, Luo B, Root DE, Mootha VK. (2010). Mitochondrial and nuclear genomic responses to loss of *LRPPRC* expression. Journal of Biological Chemistry. 285(18):13742-13747
- Gohil VM**^{*}, Sheth SA^{*}, Nilsson R, Wojtovich AP, Lee JH, Perocchi F, Chen W, Clish CB, Ayata C, Brookes PS, Mootha VK. (2010). Nutrient-sensitized screening for drugs that shift energy metabolism from mitochondrial respiration to glycolysis. Nature Biotechnology. 28(3):249-255. Article selected for cover art.

6. Baughman JM, Nilsson R, **Gohil VM**, Arlow DH, Gauhar Z, Mootha VK. (2009). A computational screen for regulators of oxidative phosphorylation implicates SLIRP in mitochondrial RNA homeostasis. PLoS Genetics. 5(8):e1000590.
7. **Gohil VM**, Greenberg M L. (2009). Mitochondrial membrane biogenesis: phospholipids and proteins go hand in hand. Journal of Cell Biology. 184(4): 469-472.
8. Joshi AS, Zhou J, **Gohil VM**, Chen S, Greenberg M L. (2009) Cellular functions of cardiolipin in yeast. Biochimica et Biophysica Acta. 1793 (1): 212-218.
9. **Gohil VM**, Thompson MN, Greenberg ML. (2005) Synthetic lethal interaction between mitochondrial cardiolipin and phosphatidylethanolamine biosynthetic pathways. Journal of Biological Chemistry. 280(42): 35410-35416.
10. **Gohil VM**, Gvozdenovic-Jeremic J, Schlame M, Greenberg ML. (2005) Binding of 10-*N*-nonyl acridine orange to cardiolipin deficient yeast cells: implications for assay of cardiolipin. Analytical Biochemistry. 343(2): 350-352.
11. Vaden DL*, **Gohil VM***, Gu Z, Greenberg ML. (2005) Separation and quantification of yeast phospholipids. Analytical Biochemistry. 338 (1): 162-164.
12. **Gohil VM**, Hayes P, Matsuyama S, Schagger H, Schlame M, Greenberg ML. (2004) Cardiolipin biosynthesis and mitochondrial respiratory chain function are interdependent. Journal of Biological Chemistry. 279(41): 42612-42618.
13. Zhong Q*, **Gohil VM***, Ma L*, Greenberg ML. (2004) Deletion of *CRD1* results in temperature sensitivity, respiratory defects, and mitochondrial DNA instability independent of *pet56*. Journal of Biological Chemistry. 279(31): 32294-32300.
14. Pfeiffer K, **Gohil V**, Stuart RA, Hunte C, Brandt U, Greenberg ML, and Schagger H. (2003) Cardiolipin stabilizes respiratory chain supercomplexes. Journal of Biological Chemistry. 278(52): 52873-52880.
15. Gupta S, Laxmipriya, **Gohil VM**. (2002) Simultaneous exposure of lead and cadmium on granulosa cells, progesterone and luteinizing hormone in pro-estrous rats. Advances in Pharmacology and Toxicology 3(2): 23-30.
16. Gu Z*, **Gohil VM***, Zhong Q*, Schlame, M, Greenberg ML. (2002) The biosynthesis and remodeling of cardiolipin. LIPIDS: Glycerolipid Metabolizing Enzymes: 67-84, Haldar, D., ed., Kerala: Research Signpost Press.
17. Prasad NG, Shakarad M, **Gohil VM**, Sheeba V, Rajamani M, Joshi A. (2000) Evolution of reduced pre-adult viability and larval growth rate in laboratory populations of *Drosophila melanogaster* selected for shorter development time. Genetical Research. 76 (3): 249-259.
18. **Gohil VM**, Joshi A. (1998) Modelling the evolution of rates of ageing. Resonance. 3(8): 67-72.

*Indicates equal author contribution

AWARDS AND FELLOWSHIPS

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| 2011: | Martin Research Prize for Excellence in Basic Research, Massachusetts General Hospital (MGH), Boston, MA. |
| 2011: | Best Thematic Poster Award, American Society for Biochemistry and Molecular Biology Annual Meeting, Washington, D.C. |
| 2011: | Travel award, Keystone Symposia 'Metabolic Responses to Extreme Conditions' Big Sky, MT. |
| 2010: | First Prize for Poster Presentation, Center for Human Genetic Research, MGH, Boston, MA |
| 2006: | United Mitochondrial Disease Foundation (UMDF) postdoctoral fellowship
Pittsburgh, PA |

- 2006: Chairman's Prize, Highest Rated Research Grant, UMDF
Atlanta, GA.
- 2004: Outstanding Graduate Research Assistant Award
Wayne State University, Detroit, MI, USA
- 2001: Outstanding Graduate Teaching Assistant Award
Wayne State University, Detroit, MI, USA

CONFERENCE PRESENTATIONS

- 05.2013: **NHLBI Mitochondrial Biology Symposium** on Mitochondrial Genetics in Health and Disease, Bethesda, MD. Poster Presentation.
- 06.2012: **American Society for Biochemistry and Molecular Biology Special Symposia** on Mitochondria: Energy, Signals and Homeostasis, East Lansing, MI. Invited Talk.
- 04.2011: **2011 American Society for Biochemistry and Molecular Biology Annual Meeting**, Washington, D.C.
Oral presentation
- 04.2011: **Keystone Symposia on- 'Metabolic Responses to Extreme Conditions'**, Big Sky, MT
Poster presentation
- 06.2010: **Mitochondrial Medicine, United Mitochondrial Disease foundation**, Scottsdale, AZ
Poster presentation
- 09.2009: **Young Indian Investigator Meet**, Cambridge, MA
Poster presentation
- 06.2006: **Mastering the Mitochondrial Maze, United Mitochondrial Disease foundation**, Atlanta, GA
Oral presentation
- 07.2003: **Gordon Research Conference on Molecular and Cellular Biology of Lipids**, Meriden, NH
Poster presentation
- 09.2002: **12th European Bioenergetics Conference (EBEC)**, Arcachon, France
Poster Presentation

PEER REVIEW

- 2013: Invited reviewer – PLOS One
- 2012: Invited reviewer – Molecular Systems Biology
- 2012: Invited reviewer – Biochemical Journal
- 2011: Invited reviewer – Proceedings of the National Academy of Sciences
- 2010: Invited reviewer – Journal of Neuroscience Methods
- 2008: Invited reviewer – Mitochondrion
- 2008: Ad hoc reviewer – Journal of Cell Biology
- 2006: Ad hoc reviewer – Molecular Microbiology
- 2006: Ad hoc reviewer – Journal of Biological Chemistry

PROFESSIONAL ASSOCIATIONS

- 2013- The American Heart Association (AHA)
- 2012- The American Society for Biochemistry and Molecular Biology (ASBMB)
- 2009- United Mitochondrial Disease Foundation (UMDF)
- 2007- American Association for the Advancement of Science (AAAS)

GRANT REVIEW ACTIVITY

- 2012- Invited reviewer – Barth Syndrome Foundation Research Grant.