

CURRICULUM VITAE

NAME: Pareshkumar, Prajapati

POSITION TITLE: Post-Doctoral Scholar

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date MM/YYYY	FIELD OF STUDY
Nirma University, Gujarat, India	B. Pharm	04/2009	Pharmacy
Ganpat University, Gujarat, India	M. Pharm	04/2011	Biotechnology
The M. S. University of Baroda, Gujarat, India	Ph.D.	07/2017	Biochemistry
University of Kentucky, Lexington, KY, USA	Postdoc.	-	Neuroscience

Personal Statement

I am a post-doctoral scholar currently working in **Dr. Joe Springer's laboratory** at the Spinal Cord and Brain Injury Research Center, University of Kentucky. For over ten years, my research has been centered on studying the role of microRNA (miRNA) in inflammation, autophagy, and mitochondrial homeostatic in various pathological conditions including neurodegenerative diseases and brain injury models. I gained expertise in miRNA biology during my Ph.D. study in which I systematically **study the role of miRNA in the regulation of autophagy and its cross-talk with cell death in Parkinson's disease**. After completing my Ph.D. in 2017, I joined Prof. Joe Springer's laboratory as a post-doctoral scholar. Since then my focus is mainly on the study the role of miRNA in secondary injury mediated by inflammation following traumatic brain injury (TBI). During my post-doc training, I have expanded my expertise in multiple rodent TBI models and related assessment of motor and cognitive function, as well as in vitro BMDM/microglia isolation and culture, biochemical, immunofluorescent, and immunohistological analysis. I also pioneer nanoparticle delivery using miRNAs in the mouse TBI model. Since 2011, I have co-authored more than 20 peer-review publications on miRNA biology and mitochondrial function in the neurodegeneration, TBI, and cell death pathways.

Positions, Scientific Appointments, and Honors

Academic Positions

- 2017- Present Post-Doctoral Scholar, Spinal Cord and Brain Injury Research Center, University of Kentucky, Lexington, KY
- 2013-2017 Senior research fellow, Dept. of Biochemistry, The M S University of Baroda, Gujarat
- 2011-2013 Junior research fellow, Indian Institute for Advanced Research, Gandhinagar, Gujarat

Awards and Honors

- 2021-Present Review Editor, Frontiers in Neuroscience (Neurodegeneration)
- 2021 Recognized as demonstrating outstanding scientific merit at NNS 2021 Symposium

2020	Patent granted for 2-Amino-3-cyano-3-(methylthio)-(substituted amino) acrylamide derivatives, 938/MUM/2014
2009	Graduate Aptitude Test in Engineering (Pharmacy), IIT

Contributions to Science

1. Inflammatory miRNAs, subcellular association, and neurodegeneration.

Emerging research indicated miRNA serves as a regulator of neuroinflammation which contributes to neurodegenerative disorder and brain injury. During Ph.D. studies, I have systematically studied the role of miRNA in the regulation of autophagy and its cross-talk with cell death in Parkinson's disease. I investigated the differential expression of miRNAs in Parkinson's disease and evaluated their functions in inflammation, autophagy, and cell death pathways and their cross-talk with mitochondrial function. My current post-doctoral research work further explores the functional role of miRNA in the context of traumatic brain injury.

The cellular abundance and subcellular localization of miRNAs are associated with many pathological conditions including neurodegeneration and neurotrauma. During my post-doctoral research work, I and my colleagues are the first to report novel findings that inflammatory responsive miRNAs are preferentially associated with mitochondria-associated endoplasmic reticulum (ER) membranes (MAMs) in the mammalian brain. This finding further our understanding of how miRNA may traffic between Mitochondria and ER. I served as the primary investigator/contributor and co-authors in these studies.

2. Role of ubiquitin E3 ligases in autophagy, mitochondrial biology, and cell death.

During my graduate program, I was involved in the study that characterizes the TRIM family of ubiquitin E3 ligases and determines their roles in the regulation of autophagy, mitochondrial biology, and inflammatory pathways. TRIMs are a member of the RING family of ubiquitin E3 ligases and are characterized by the presence of three conserved domains, RING, B-Box, and coiled-coil (RBCC). We systematically investigated the role of the TRIM family of ubiquitin E3 ligases in the regulation of cell death, autophagy, and NF- κ B pathway. Our recently published study focused on TRIM32 protein in the regulation of mitochondrial function and in oxidative stress conditions. I was co-investigator on the role of previously uncharacterized ubiquitin E3 ligase, TRIM4, in mitochondrial biology, which characterized TRIM13 as a negative regulator of the NF- κ B pathway and report TRIM8 as a modulator of autophagy. Together we published five reports based on these studies. Moreover, I supervised a one-year research project of a Master's student assessing the effect of antibiotics on mitochondrial function and lysosomal biogenesis. Published reports from these experiments show that enforced lysosomal biogenesis rescues erythromycin- and clindamycin-induced mitochondria-mediated cell death in human cells. These projects provided me with the essential collaboration and leadership experience.

3. Role of mitochondria in inflammation and its cross-talk with autophagy

Another part of my research as a co-author during my Ph.D. focuses on evaluating the association of mitochondrial dysfunction in inflammation and the contribution of autophagy. During this project, I performed autophagy assay, mitochondrial function assay and, as well as carried out biochemical assays in collaboration with my colleagues. Together we published the following reports based on these studies.

Publication:

(# Equal contribution)

- 1. Prajapati, P.** Wang, W-X. Pesina S., Geleta U., Springer, J.E "Sex-Specific Alterations in Inflammatory MicroRNAs in Mouse Brain and Bone Marrow CD11b+ Cells Following Traumatic Brain Injury under" accepted in *Cellular and Molecular Neurobiology* 2021 Nov 10. doi: 10.1007/s10571-021-01164-6. Online ahead of print.

2. Wang, W.-X., **Prajapati, P[#]**, Vekaria, H., Spry, M., Cloud, A., Sullivan, P., Springer, J.E. Temporal changes in inflammatory mitochondria-enriched microRNAs following traumatic brain injury and effects of miR-146a nanoparticle delivery (2021) *Neural Regeneration Research*, 16 (3), pp. 514-522. DOI: 10.4103/1673-5374.293149
3. Gohel, D., Sripada, L., **Prajapati, P.**, Currim, F., Roy, M., Singh, K., Shinde, A., Mane, M., Kotadia, D., Tassone, F., Charlet-Berguerand, N., Singh, R. Expression of expanded FMR1-CGG repeats alters mitochondrial miRNAs and modulates mitochondrial functions and cell death in cellular model of FXTAS (2021) *Free Radical Biology and Medicine*, 165, pp. 100-110. DOI: 10.1016/j.freeradbiomed.2021.01.038
4. **Prajapati, P.**, Gohel, D., Shinde, A., Roy, M., Singh, K., Singh, R. TRIM32 regulates mitochondrial mediated ROS levels and sensitizes the oxidative stress induced cell death (2020) *Cellular Signalling*, 76, art. no. 109777, DOI: 10.1016/j.cellsig.2020.109777
5. Wang, W.-X., **Prajapati, P[#]**, Nelson, P.T., Springer, J.E. The Mitochondria-Associated ER Membranes Are Novel Subcellular Locations Enriched for Inflammatory-Responsive MicroRNAs (2020) *Molecular Neurobiology*, 57 (7), pp. 2996-3013. DOI: 10.1007/s12035-020-01937-y
6. **Prajapati, P.**, Wang, W.-X., Nelson, P.T., Springer, J.E. Methodology for Subcellular Fractionation and MicroRNA Examination of Mitochondria, Mitochondria Associated ER Membrane (MAM), ER, and Cytosol from Human Brain (2020) *Methods in Molecular Biology*, 2063, pp. 139-154. DOI: 10.1007/978-1-0716-0138-9_11
7. Hubbard, W.B., Harwood, C.L., **Prajapati, P.**, Springer, J.E., Saatman, K.E., Sullivan, P.G. Fractionated mitochondrial magnetic separation for isolation of synaptic mitochondria from brain tissue (2019) *Scientific Reports*, 9 (1), art. no. 9656, DOI: 10.1038/s41598-019-45568-3
8. **Prajapati, P.**, Dalwadi, P., Gohel, D., Singh, K., Sripada, L., Bhatelia, K., Joshi, B., Roy, M., Wang, W.-X., Springer, J.E., Singh, R., Singh, R. Enforced lysosomal biogenesis rescues erythromycin- and clindamycin-induced mitochondria-mediated cell death in human cells (2019) *Molecular and Cellular Biochemistry*, 461 (1-2), pp. 23-36. DOI: 10.1007/s11010-019-03585-w
9. Gohel, D., Sripada, L., **Prajapati, P.**, Singh, K., Roy, M., Kotadia, D., Tassone, F., Charlet-Berguerand, N., Singh, R. FMRpolyG alters mitochondrial transcripts level and respiratory chain complex assembly in Fragile X associated tremor/ataxia syndrome [FXTAS] (2019) *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1865 (6), pp. 1379-1388. DOI: 10.1016/j.bbadis.2019.02.010
10. Singh, K., Roy, M., **Prajapati, P.**, Lipatova, A., Sripada, L., Gohel, D., Singh, A., Mane, M., Godbole, M.M., Chumakov, P.M., Singh, R. NLRX1 regulates TNF- α -induced mitochondria-lysosomal crosstalk to maintain the invasive and metastatic potential of breast cancer cells (2019) *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1865 (6), pp. 1460-1476. DOI: 10.1016/j.bbadis.2019.02.018
11. Singh, K., Sripada, L., Lipatova, A., Roy, M., **Prajapati, P.**, Gohel, D., Bhatelia, K., Chumakov, P.M., Singh, R. NLRX1 resides in mitochondrial RNA granules and regulates mitochondrial RNA processing and bioenergetic adaptation (2018) *Biochimica et Biophysica Acta - Molecular Cell Research*, 1865 (9), pp. 1260-1276. DOI: 10.1016/j.bbamcr.2018.06.008

12. Springer, J., **Prajapati, P.**, Sullivan, P. Targeting the mitochondrial permeability transition pore in traumatic central nervous system injury (2018) *Neural Regeneration Research*, 13 (8), pp. 1338-1341. DOI: 10.4103/1673-5374.235218
13. Roy, M., Tomar, D., Singh, K., Lakshmi, S., **Prajapati, P.**, Bhatelia, K., Gohel, D., Singh, R. TRIM8 regulated autophagy modulates the level of cleaved Caspase-3 subunit to inhibit genotoxic stress induced cell death (2018) *Cellular Signalling*, 48, pp. 1-12. DOI: 10.1016/j.cellsig.2018.04.003
14. **Prajapati, P.**, Sripada, L., Singh, K., Roy, M., Bhatelia, K., Dalwadi, P., Singh, R. Systemic Analysis of miRNAs in PD Stress Condition: miR-5701 Modulates Mitochondrial–Lysosomal Cross Talk to Regulate Neuronal Death (2018) *Molecular Neurobiology*, 55 (6), pp. 4689-4701. DOI: 10.1007/s12035-017-0664-6
15. Bhatelia, K., Singh, K., **Prajapati, P.**, Sripada, L., Roy, M., Singh, R. MITA modulated autophagy flux promotes cell death in breast cancer cells (2017) *Cellular Signalling*, 35, pp. 73-83. DOI: 10.1016/j.cellsig.2017.03.024
16. Sripada, L., Singh, K., Lipatova, A.V., Singh, A., **Prajapati, P.**, Tomar, D., Bhatelia, K., Roy, M., Singh, R., Godbole, M.M., Chumakov, P.M., Singh, R. hsa-miR-4485 regulates mitochondrial functions and inhibits the tumorigenicity of breast cancer cells (2017) *Journal of Molecular Medicine*, 95 (6), pp. 641-651. DOI: 10.1007/s00109-017-1517-5
17. Tomar, D., **Prajapati, P.**, Lavie, J., Singh, K., Lakshmi, S., Bhatelia, K., Roy, M., Singh, R., Bénard, G., Singh, R. TRIM4; A novel mitochondrial interacting RING E3 ligase, sensitizes the cells to hydrogen peroxide (H₂O₂) induced cell death (2015) *Free Radical Biology and Medicine*, 89, pp. 1036-1048. DOI: 10.1016/j.freeradbiomed.2015.10.425
18. Singh, K., Poteryakhina, A., Zheltukhin, A., Bhatelia, K., **Prajapati, P.**, Sripada, L., Tomar, D., Singh, R., Singh, A.K., Chumakov, P.M., Singh, R. NLRX1 acts as tumor suppressor by regulating TNF- α induced apoptosis and metabolism in cancer cells (2015) *Biochimica et Biophysica Acta - Molecular Cell Research*, 1853 (5), pp. 1073-1086. DOI: 10.1016/j.bbamcr.2015.01.016
19. **Prajapati, P.**, Sripada, L., Singh, K., Bhatelia, K., Singh, R., Singh, R. TNF- α regulates miRNA targeting mitochondrial complex-I and induces cell death in dopaminergic cells (2015) *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1852 (3), pp. 451-461. DOI: 10.1016/j.bbadis.2014.11.019
20. Bhatelia, K., Singh, A., Tomar, D., Singh, K., Sripada, L., Chagtoo, M., **Prajapati, P.**, Singh, R., Godbole, M.M., Singh, R. Antiviral signaling protein MITA acts as a tumor suppressor in breast cancer by regulating NF- κ B induced cell death (2014) *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1842 (2), pp. 144-153. DOI: 10.1016/j.bbadis.2013.11.006
21. Tomar, D., **Prajapati, P.**, Sripada, L., Singh, K., Singh, R., Singh, A.K., Singh, R. TRIM13 regulates caspase-8 ubiquitination, translocation to autophagosomes and activation during ER stress induced cell death (2013) *Biochimica et Biophysica Acta - Molecular Cell Research*, 1833 (12), pp. 3134-3144. DOI: 10.1016/j.bbamcr.2013.08.021
22. Tomar, D., Sripada, L., **Prajapati, P.**, Singh, R., Singh, A.K., Singh, R. Nucleo-Cytoplasmic Trafficking of TRIM8, a Novel Oncogene, Is Involved in Positive Regulation of TNF Induced NF- κ B Pathway (2012) *PLoS ONE*, 7 (11), art. no. e48662, DOI: 10.1371/journal.pone.0048662

23. Sripada, L., Tomar, D., **Prajapati, P.**, Singh, R., Singh, A.K., Singh, R. Systematic Analysis of Small RNAs Associated with Human Mitochondria by Deep Sequencing: Detailed Analysis of Mitochondrial Associated miRNA (2012) PLoS ONE, 7 (9), art. no. e44873, DOI: 10.1371/journal.pone.0044873

Judging PEER'S Work

A. Editorial board member renewed journals

- Editorial board member as review editor for the Journal of "Frontiers in Neuroscience".

B. Ad-hoc Reviewer for Journal

- Cellular and Molecular Neurobiology
- Annals of Translational Medicine
- Genes
- Experimental and Molecular Pathology
- International Journal of Molecular Sciences
- Journal of Neuropathology and Experimental Neurology
- Frontiers in Neuroscience
- Frontiers in Oncology

C. Judging abstracts/posters for award in conference

- Served as Judge for poster presentations in the 12th Annual COM Trainee Poster at held at University of Kentucky on April 6, 2021

Professional Memberships

2018-Current:	Member, National Neurotrauma Society (NNS), USA.
2019-2020:	Member, Society for Neuroscience (SFN), USA.
2018-2019:	Member, Bluegrass Society for Neuroscience (BGSFN), USA.

Mentoring Experience

The M.S. University, India (2013-2016)

- Master students
- Summer students

Abstract presentations

Poster Presentations:

1. **Paresh Prajapati**, Wang-Xia Wang, Steven A Pesina, Colleen Bodnar, Binoy Joseph, Adam Bachstetter, Joe E. Springer, Sex-specific alterations in inflammatory miRNAs in mouse brain and bone marrow CD11b+ cells following traumatic brain injury The 38th Annual National Neurotrauma Symposium July 11–14, 2021 Virtual Conference (**Recognized as demonstrating outstanding scientific merit at NNS 2021 Symposium**)

2. **Prajapati P**, Wang-Xia Wang, Hemendra Vekaria, Malinda Spry, Patrick G. Sullivan, and Joe E. Springer. Nanoparticle microRNA Delivery in Traumatic Injured Rat Brain Alters Expression of Macrophage/microglia Phenotypic Markers. Poster. NeuroTrauma 2018/the 3rd Joint Symposium of the International and National Neurotrauma Societies and AANS/ CNS Section on Neurotrauma and Critical Care. Toronto, Canada.
3. Wang-Xia Wang, **Prajapati P**, Peter T. Nelson, and Joe E. Springer. Mitochondria Associated ER Membrane Provides a Platform for MicroRNA Trafficking in Rat and Human Cerebral Cortex. Poster. NeuroTrauma 2018/the 3rd Joint Symposium of the International and National Neurotrauma Societies and AANS/ CNS Section on Neurotrauma and Critical Care. Toronto, Canada.
4. Brad Hubbard, Christopher Harwood, **Paresh Prajapati**, Joe Springer, Kathryn E Saatman, Patrick G Sullivan FRACTIONATED MITOCHONDRIAL MAGNETIC SEPARATION FOR ISOLATION OF SYNAPTIC MITOCHONDRIA: Poster. 37th Annual National Neurotrauma Symposium June 29–July 3, 2019 Pittsburgh, Pennsylvania
5. Wang-Xia Wang, Kevin W Hatton, Alexandria Early, **Paresh Prajapati**, Joe E Springer BIOFLUID MICRORNAS AS BIOMARKERS FOR ASSESSING VASOSPASM RISK FOLLOWING ANEURYSMAL SUBARACHNOID HEMORRHAGE Poster. 37th Annual National Neurotrauma Symposium June 29–July 3, 2019 Pittsburgh, Pennsylvania
6. **Prajapati P**, Tomar D, Sripada L, Singh K, Singh R, Singh R, TRIM32 regulates oxidative stress induced cell death. *XXXVII All India Cell Biology Conference*. Indian Institute of Science, Bangalore, India, December 22-24, 2013.
7. **Prajapati P**, Sripada L, Tomar D, Singh R, TNF treatment in SHSY-5Y effects miRNA expression and induces cell death and mitochondrial impairment. *3rd Annual Conference of the SMRM on “Mitochondria in Health and Disease”*. National Institute of Mental Health and Neuro Sciences (NIMHANS), Bengaluru, India, December 19-20, 2013. Poster
8. **Prajapati P**, Wang-Xia Wang, Hemendra Vikaria, Malinda Spry, Patrick G. Sullivan, and Joe E. Springer. Nanoparticle Delivery of microRNAs Targeting Inflammation in Traumatic Brain Injury. Poster. University of Kentucky, 2018, CCTS Spring Conference. Lexington, Kentucky
9. **Prajapati P**, Wang-Xia Wang, Vikaria H, Spry M, Sullivan PG, and Springer JE. Altered Expression of M1/M2 Markers using novel Peptide-based Nanoparticle microRNA Delivery in Traumatic Brain Injury. Poster. University of Kentucky, KSCHIRT symposium, 2018. Lexington, Kentucky
10. **Prajapati P**, Wang-Xia Wang, Vikaria H, Spry M, Sullivan PG, and Springer JE. Nanoparticle delivery of miR-146 altered the expression of macrophage/microglia marker genes in traumatic injured rat brain. Poster. 2018 Clinical-Translational Research Symposium. Lexington, Kentucky.
11. **Prajapati P**, Wang-Xia Wang, Vikaria H, Spry M, Sullivan PG, and Springer JE. Temporal response of mitochondria enriched microRNAs and inflammatory marker genes following traumatic brain injury. Poster. 2019 Clinical-Translational Research Symposium. Lexington, Kentucky.
12. **Paresh Prajapati**, Wang-Xia Wang, Varun B. Dwaraka, Stephen R. Voss, Steven A Pesina, Joe E. Springer MicroRNA-223 regulates sexual dimorphic gene expression in mouse bone marrow derived macrophages following inflammatory challenges University of Kentucky, KSCHIRT symposium, 2021. Lexington, Kentucky
13. **Prajapati P**, Wang-Xia Wang, Vikaria H, Spry M, Sullivan PG, and Springer JE. In vitro and in vivo nanoparticle delivery of miR-146a modulates neuroinflammatory signaling in response to traumatic brain injury. Poster. KSCHIRT symposium. Louisville, Kentucky

Awarded Poster:

14. Sripada L, **Prajapati P**, Tomar D, Singh K, Bhatelia K, Singh R. “hsa-miR-4485, mitochondria associated miRNA affects mitochondrial functions and cell death in Parkinson’s Disease.” Joint 7th Asian-Pacific Organization for Cell Biology congress and American Society for Cell Biology workshop on infectious diseases, at Biopolis, Singapore from 24 to 27 February 2014. **Abstract selected to receive the travel award, sponsored by the International Federation of Cell Biology.**
15. Tomar D, **Prajapati P**, Sripada L, Singh R, Singh AK, Singh R. TRIM13 regulates ER stress induced cell death via autophagy induction and caspase-8 activation. *2nd Annual Conference of the SMRM on “Mitochondria in Health and Disease”*. Central University of Gujarat, Gandhinagar, India, November 2-3, 2012. **(Prof. A. R. Rao Young Researcher Award lecture)**

16. Tomar D, Singh R, Sripada L, **Prajapati P**, Singh AK, Singh R. TRIM8, a novel RING E3 ligase regulates NF- κ B pathway and clonogenic/migration ability of the cells. *International Symposium on Cancer Biology*, National Institute of Immunology, New Delhi, India, November 14-16, 2011. **Best Scientific Poster Presentation Award.**
17. Singh AK, Patel P, Singh R, **Prajapati P**, Tomar D, Sripada L, Singh K, Singh R. Mitochondrial ROS negatively regulates intracellular survival of *S. aureus* in human epithelial cells. *2nd Annual Conference of the SMRM on "Mitochondria in Health and Disease"*. Central University of Gujarat, Gandhinagar, India, November 2-3, 2012. **Best poster award**
18. Sripada L, **Prajapati P**, Bhatelia K, Tomar D, Singh K, Singh AK, Singh R. "miRNA sequences aligns with mitochondrial genome, associates with mitochondria, alters in stress and modulates mitochondrial functions in various physio-pathological conditions." 38th Mahabaleshwar Seminar on Mitochondria, Metabolism and Energetics organized by Tata Institute of Fundamental Research, Mumbai, Maharashtra, India, January 27- 30, 2013. **Best poster selected for Short Talk.**
19. Sripada L, **Prajapati P**, Bhatelia K, Tomar D, Singh K, Singh AK, Singh R. "hsa-miR-4485, a tumor suppressor miRNA, associates with human mitochondria by targeting mitochondrial GPD2." The XXXVII All India Cell Biology Conference on Cell Dynamics and Cell Fate, National Centre for Biological Sciences, Bangalore, Karnataka, India, December 22- 24, 2013. **Best poster award.**
20. Singh K, Bhatelia K, **Prajapati P**, Sripada L, Tomar D, Singh R, Chumakov PM, Singh R. "NLRX1 regulates TNF- α induced ROS production by modulating mitochondrial Complex III and Caspase-8 activity in breast cancer cells." SMRM 3rd Annual Conference on Mitochondria in Health and Disease, National Institute of Mental Health and Neuro Sciences, Bangalore, Karnataka, India. **Best poster award.**
21. Tomar D, **Prajapati P***, Sripada L, Singh K, Roy M, Singh R, Singh AK, Singh R. "TRIM13 negatively regulates TNF induced NF- κ B signaling and suppresses clonogenic ability of the cells". International Conference on Recent Advances in "Cancer Prevention and Therapeutics". School of Life Sciences, Central University of Gujarat, Gandhinagar, India, November 19-20, 2013. **Best poster award.**
***Presenting Author**
22. Singh K, Tomar D, **Prajapati P**, Sripada L, Bhatelia K, Singh AK, Singh R, Chumakov PM, Singh R. The role of mitochondrial protein NLRX1 in regulation of TNF induced ROS and inflammation. 2nd Annual Conference of Society for Mitochondrial Research and Medicine-India "Mitochondria in Health and Disease". Central University of Gujarat, Gandhinagar, India, November 2-3, 2012. **Best poster award.**
23. Singh AK, Patel P, Singh R, **Prajapati P**, Tomar D, Sripada L, Singh K, Singh R. Mitochondrial ROS negatively regulates intracellular survival of *S. aureus* in human epithelial cells. 2nd Annual Conference of Society for Mitochondrial Research and Medicine-India "Mitochondria in Health and Disease". Central University of Gujarat, Gandhinagar, India, November 2-3, 2012. **Best poster award**
24. Tomar D, Singh R, Sripada L, **Prajapati P**, Singh AK, Singh R. TRIM13, regulates a novel RING E3 ligase regulates NF- κ B pathway and clonogenic/migration ability of the cells. International Symposium on Cancer Biology, National Institute of Immunology, New Delhi, India, November 14-16, 2011. **Best poster award.**

Co-Author Poster:

25. Sripada L, Swarnkar T, **Prajapati P**, Tomar D, Singh K, Bhatelia K, Singh R. miRNA sequences aligns with mitochondrial genome, associates with mitochondria, alters in stress and modulates mitochondrial functions in various physio-pathological conditions. *XXXVIII Mahabaleshwar Seminar on Mitochondria, Metabolism and Energetics*. Tata Institute of Fundamental Research, Mumbai, India, January 27-30, 2014.
26. Bhatelia K, Singh A, Tomar D, Singh K, Sripada L, Chagtoo M, **Prajapati P**, Singh R, Godbole M M, Singh R. MITA regulates cell death in breast cancer cells. *XXXVII All India Cell Biology Conference*. Indian Institute of Science, Bangalore, India, December 22-24, 2013.
27. Bhatelia K, Singh A, Tomar D, Singh K, Sripada L, Chagtoo M, **Prajapati P**, Singh R, Godbole M M, Singh R. MITA, ER localized Interferon Regulator, acts as a tumor suppressor in breast cancer. *3rd Annual Conference of the SMRM on "Mitochondria in Health and Disease"*. National Institute of Mental Health and Neuro Sciences (NIMHANS), Bengaluru, India, December 19-20, 2013.

28. Sripada L, **Prajapati P**, Tomar D, Singh R. Effect of mitochondria associated miRNA, hsa-miR-4485 on 6-OHDA induced cell death in SHSY-5Y. *3rd Annual Conference of the SMRM on "Mitochondria in Health and Disease"*. National Institute of Mental Health and Neuro Sciences (NIMHANS), Bengaluru, India, December 19-20, 2013.
29. Singh AK, Patel P, Tomar D, Singh R, Singh K, Roy M, **Prajapati P**, Singh R. Leucyl aminopeptidase, ubiquitin binding protein, inhibits NF- κ B activity during *Staphylococcus* infection in human epithelial cells. *International Symposium on Conceptual Advances in Cellular Homeostasis Regulated by Proteases and Chaperones: the Present, the Future and Impact on Human Diseases*. Advanced Centre for Treatment Research and Education in Cancer, Mumbai, India, December 3-6, 2013
30. Sripada L, Tomar D, **Prajapati P**, Jain M, Singh R, Singh AK, Singh R. Systematic analysis of small RNA associated with human mitochondria. *2nd Annual Conference of the SMRM on "Mitochondria in Health and Disease"*. Central University of Gujarat, Gandhinagar, India, November 2-3, 2012.
31. Bhatelia K, Singh K, Tomar D, Lakshmi S, **Prajapati P**, Singh R. MITA induces cell death by regulation of NF- κ B in MCF-7 breast cancer cell line. *XXXVI All India Cell Biology Conference & International Symposium On "Stress Adaptive Response and Genome Integrity"*, Bhabha Atomic Research Centre, Mumbai, India, October 17-19, 2012.
32. Jain M, **Prajapati P**, Tomar D, Sripada L, Singh R, Singh AK, Singh R. TNF induces cell death in autophagy dependent manner in cell line model of Parkinson Diseases. *1st International Meet On Advance Studies in Cell Signaling Network*, CSIR- Indian Institute of Chemical Biology, Kolkata, India, September 11-13, 2012.
33. Sripada L, Tomar D, **Prajapati P**, Singh R, Singh AK, Singh R. Mitochondria: Preferred site of mature miRNA. *SMRM 1st Annual Conference on "Mitochondria in Biology and Medicine"*, Centre for Cellular and Molecular Biology, Hyderabad, Andhra Pradesh, India, December 9-10, 2011.
34. Wang-Xia Wang, **Prajapati P**, Peter T. Nelson, and Joe E. Springer. Mitochondria associated ER membrane is a novel subcellular location for microRNA in mammalian brain. Poster. 2018 Markesbery Symposium of Aging and Dementia - Scientific Symposium (10/26/18). University of Kentucky, Lexington, Kentucky
35. Wang-Xia Wang, **Prajapati P**, Peter T. Nelson, and Joe E. Springer. Inflammatory responsive microRNAs translocate via the mitochondria associated ER membrane (MAM) following mitochondria uncoupling and traumatic brain injury. Poster. KSCHIRT symposium. Louisville, Kentucky.
36. Wang-Xia Wang, Kevin W. Hatton, Alexandria Early, **Prajapati P**, and Joe E. Springer. Circulating microRNAs as potential biomarkers for assessing vasospasm risk following aneurysmal subarachnoid hemorrhage. Platform presentation. 2019 UK Clinical-Translational Neuroscience Research Symposium. Lexington, Kentucky.

Platform presentations:

37. Tomar D, **Prajapati P**, Sripada L, Singh R, Singh AK, Singh R. TRIM13 regulates ER stress induced cell death via autophagy induction and caspase-8 activation. *2nd Annual Conference of the SMRM on "Mitochondria in Health and Disease"*. Central University of Gujarat, Gandhinagar, India, November 2-3, 2012. **(Prof. A. R. Rao Young Researcher Award lecture)**
38. Tomar D, Sripada L, **Prajapati P**, Singh R, Singh AK, Singh R. Nucleo-cytoplasmic translocation of TRIM8 is essential for positive regulation of TNF induced NF- κ B pathway. *1st International Meet on Advance Studies in Cell Signaling Network*. CSIR- Indian Institute of Chemical Biology, Kolkata, India, September 11-13, 2012.

Links:

ResearchGate: https://www.researchgate.net/profile/Paresh_Prajapati3

Google Scholar: <https://scholar.google.co.in/citations?user=AHn82NgAAAAJ&hl=en>

Personal web page: <https://sites.google.com/site/parasp4710/home>

URL to my bibliography on NCBI site:

<https://www.ncbi.nlm.nih.gov/myncbi/paresh.prajapati.1/bibliography/public/>