

Resume

Education

- November 2012 - September 2018 Ph.D. at Division of Molecular Immunology & Microbiology, National Institute for Research in Reproductive Health (NIRRH)
- August 2009 – July 2011 M.Sc. Microbial Gene Technology, Madurai Kamaraj University
- July 2006 – May 2009 B.Sc. Biotechnology, Mithibai College, University of Mumbai

Work Experience

- Feb 2019 – Postdoctoral Research Associate, Department of Biology, Georgia State University
- Feb 2012 – Nov 2014 Online Part-time Biology Faculty, Tutor-Vista, Pearson Education Services

Peer-Reviewed Publications

- **Shroff A**, Reddy KVR. Autophagy gene ATG5 knockdown upregulates apoptotic cell death during *Candida albicans* infection in human vaginal epithelial cells. Am J Reprod Immunol. e13056. 2018
- **Shroff A**, Sequeira R, Patel V and Reddy KVR. Data on autophagy markers and anti-candida cytokines expression in mice in response to vaginal infection of *Candida albicans*, Data in Brief, <https://doi.org/10.1016/j.dib.2018.03.006>
- **Shroff A**, Sequeira R, Patel V and Reddy KVR. Knockout of autophagy gene, ATG5 in mice vaginal cells abrogates cytokine response and pathogen clearance during vaginal infection of *Candida albicans*. Cell Immunol 324: 59-73. 2018
- **Shroff A**, Sequeira R, Reddy KVR. Human vaginal epithelial cells augment

autophagy marker genes in response to *Candida albicans* infection. *Am. J. Reprod. Immunol.* 77(4): e12639. 2017

- **Shroff A**, Ayyar KK, Saha D, Reddy KVR. Host Autophagy Response: Friend or Foe in Reproductive Tract Infections. *Microbiol & Infect Dis.* 2 (2): 1-9, 2014
- Saha D, Patgaonkar M, **Shroff A**, Ayyar KK, Bashir T, Reddy KVR. Hemoglobin Expression in Nonerythroid Cells: Novel or Ubiquitous? *International Journal of Inflammation* Article ID 803237, 8 pages, 2014
- Ayyar KK, Saha D, **Shroff A**, Reddy KVR. MicroRNAs: the Key Regulators of PRR Signaling. *International Trends in Immunity* 2(3): 116-121, 2014
- Reddy KVR and **Shroff A**. Microbicide, SsALF-24 Prevents HIV Infection through the Blockade of gp120 Binding to CD4 Receptor. *AIDS Research and Human Retroviruses* 30 Suppl 1(S1):A205-6, 2014
- **Shroff A**, Shanmugasundaram S, Shamungasundaram SS. Development of porin-based insecticide against *Helicoverpa armigera*. *Journal of Insect Science* 25 (4): 417-422, 2012

Honors & Awards

2018	Best poster award in 19th Indo-US Cytometry Symposium & Workshop on Advanced Flow Cytometry and Applications organized by International Society for Advancement of Cytometry (ISAC)
2016	Carl Storm International Diversity Fellowship awarded by Gordon Research Conference, Los Angeles, USA
2016	Best poster award in International Conference on Reproductive Health 2016 organized by ISSRF, Ahmedabad, India
2013	Travel grant for attending IMMUNOCON, New Delhi, India, 2013
2013	Junior Research Fellowship by University Grants Commission, Govt. of India

Memberships

- 2019 – present American Society for Cell Biology (ASCB)
- 2019 – present American Association for Advancement of Science (AACCS)
- 2019 – present National Postdoc Association (NPA)
Affiliate member; Volunteer in Resource Development Committee

Presentations

- Gordon Research Conference on Autophagy in Stress, Development and Disease, Los Angeles, CA, USA. March 19-25, 2017: poster entitled “Autophagy is involved in the innate immune response of human vaginal cells against *Candida albicans* infection in vitro”.
- International Conference on Reproductive Health 2016 organized by ISSRF Ahmedabad, India. Feb 18-20, 2017: poster entitled “*Candida albicans* induces autophagy in human vaginal epithelial cells”.
- EMBO India Symposia on Autophagy – Cellular Mechanisms and Significance in Health and Disease, Institute of Life Sciences, Bhubaneswar, India. December 11-13, 2017: poster entitled “Autophagy knockdown downregulates host immune responses in mice during vaginal infection of *Candida albicans*”.
- 19th Indo-US Cytometry Symposium & Workshop on Advanced Flow Cytometry and Applications organized by International Society for Advancement of Cytometry (ISAC) at NIRRH, Mumbai, India. February 15-17, 2018: poster entitled “Autophagy knockdown affects host cytokine response to vaginal Candidiasis”.