

## Dr. Natukula Kirmani



**Full Name** : Natukula Kirmani  
**Qualification** : M.Sc., M.Phil., Ph.D.  
**Date of Birth** : 10 Aug 1980 **Sex** : Male  
**Present Address** : Natukula Kirmani, Ph.D.,  
Research Scientist I, Multi Disciplinary Research  
Unit,  
Andhra Medical College,  
Vishakapatnam - 530002, Andhra Pradesh.  
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### Professional Summary:

I have Basic and Clinical research work experience over 14 years, and knowledge of the molecular research includes Pharmacogenomics and Medical Microbiology and published Eleven (11) research articles. I got familiar with full clinical trial cycle from site initiation; site coordination and study close out in therapeutic areas including Oncology and Rheumatology trials, Phases II to IV. I also have experience of drug accountability, training other members of staff with regulatory audits. I hold a Doctoral degree (Ph.D) in Clinical Pharmacology and Therapeutics.

### Professional Experience (starting from the present post)

Post	Organization	Period	Nature of Work
Research Scientist I	Andhra Medical College	01-Nov-2020 to till date	Academic and Basic research activities
Senior Research Officer	Alluri Sitarama Raju Academy of Medical Sciences	01-Oct-2016 to 24-Oct-2020	Academics and Basic research activities
Assistant Professor	Mahatma Gandhi National Institute of Research and Social Action (MGNIRSA)	01-Aug-2014 - 31-Sep-2016	Academics
Senior Clinical Research Coordinator	Krishna Institute of Medical Sciences Private Limited	01-Feb-2014 to 31-Jul-2014	Clinical Research
Teaching Assistant	Mahatma Gandhi National Institute of Research and Social Action (MGNIRSA)	01-Oct-2011 to 31-Jan-2014	Academics
Senior Clinical Research Coordinator	BIBI General Hospital & Cancer Research Centre	01-Oct-2010 to 30-Sep-2011	Clinical Research
Guest Faculty	Clinical Research Education and Management Academy (CREMA)	01-Oct-2010 to 30-Oct-2011	Academics
Clinical Research Coordinator	Indo- American Cancer Institute and Research Centre	03- Apr-2006 to 30 - Sep-2010	Clinical Research
Junior Technician	Indo- American Cancer Institute and Research Centre	03- Apr-2006 to 30 - Sep-2010	Basic Research (Pharmacogenomics)

## **Educational Qualification**

- 2009 – 2014**    **Ph.D.** (Doctorate in Clinical Pharmacology and Therapeutics), Nizam's Institute of Medical Sciences, India.  
    **Title:**    **"Pharmacogenetic Studies on Inherited DNA Repair Capacity with Response to Platinum based Chemotherapy in Lung Cancer"**
- 2005 – 2007**    **M.Phil** (Master of Philosophy in Microbiology), Vinayaka Missions Research Foundation in the year 2005 – 2007 with 74.5%.
- 2002 – 2004**    **M.Sc.** (Masters of Science in Microbiology), Bharathidasan University with 76%.
- 1999 – 2002**    **B.Sc** (Bachelor of Science in Biology) Nagarjuna University with 64%.

## **Diploma/Certifications:**

- 2012 – 2013**    **PGDIPR (Post Graduation Diploma in Intellectual Property Rights)**, PG College of Law, Osmania University, A P, India.
- 2005 – 2006**    **MLT -AT (Medical Lab Assistant Trainee)**  
    Jan Shikshan Sansthan, A P, India.

## **Additional Certifications**

- Medidata EDC System, OCRDC, AG Capture: Site Training
- ICH-GCP training

## **Training Programs attended :**

- Attended workshop and underwent training on **2-D Gel Electrophoresis** for two days at **Indo American Cancer Institute and Research Centre, Hyderabad.**
- Attended 2 days workshop on **Fluorescence InSitu Hybridization (FISH)** at **Indo American cancer institute and research centre, Hyderabad.**
- "Genomics, Proteomics and Bioinformatics" (**GPB - 13**) held on 19 to 21<sup>st</sup> July, 2013 at Department of Biochemistry & Biotechnology, **Annamalai University**, Annamalai Nagar-608 002, Tamil Nadu.
- **Attended 3 days workshop on "Applications of Flow Cytometry in Biomedical Research** October 29-31, 2014 Organized by Babasaheb Bhimrao Ambedkar University of Lucknow and Live Education Task Force of the International Society for the Advancement of Cytometry.
- Attended Department of Biotechnology (Govt.of India)- Sponsored short term training course on **"Molecular Endocrine Techniques"** which held from 19<sup>th</sup> January 2015 to 05<sup>th</sup> Feb 2015 at Department of Endocrinology, DR. ALM PG Institute of Basic Medical Sciences, University of Madras, Tamil Nadu.
- Attended 3 days workshop on **" Technologies on Molecular Analysis of Cell & Cellular Dynamics (TMCCD-2015)"** from November 19-21, 2015 Organized by Department of Life Sciences, National Institute of Technology - Rourkela (NIT-R), Odisha.
- Attended Lectures and hands on practical sessions in **"Basic Confocal Microscopy"** which held from **Dec 27<sup>th</sup> 2015 to 06<sup>th</sup> Jan 2016** at **UGC- networking Resource Centre, Division of Biological Sciences, Indian Institute of Sciences (IISc), Bangalore.**
- **Attended 2 days "National workshop on Statistical Genetics and Genomics Using R software"** from November 12-13 Feb 2016 Organized by Department of Biotechnology, A.V. College of Arts, Science & Commerce, Hyderabad.

1. Vamshi Krishna I. , G.R. Vanaja, N. **Srihari Kirmani Kumar** and G. Suman. Cytotoxic studies of anti-neoplastic drugs on human lymphocytes – In vitro studies: Cancer Biomarkers 5,261–272, 2009. [SCI Impact Factor – 2.74]
2. **Kirmani N**, Kaiser Jamil, MUR Naidu. Occupational and environmental carcinogens in epidemiology of lung cancer in South Indian population: Biology and Medicine, Vol 2 (4): 1-11, 2010.
3. **Kirmani Natukula**, Kaiser Jamil, Usha Rani Pingali , Venkata Satya Suresh Attali, Umamaheshwar Rao Naidu Madireddy. Survival Analysis in Advanced Non Small Cell Lung Cancer Treated with Platinum Based Chemotherapy in Combination with Paclitaxel, Gemcitabine and Etoposide. Asian Pacific Journal of Cancer Prevention, 14(8):4661, 2013. [ SCI Impact Factor – 2.51]
4. **Kirmani Natukula**, Kaiser Jamil, Usha Rani Pingali , Venkata Satya Suresh Attali, Umamaheshwar Rao Naidu Madireddy. The codon 399 Arg/Gln XRCC1 polymorphism is associated with lung cancer in Indians. Asian Pacific Journal of Cancer Prevention; 14(9):5275, 2013. [SCI Impact Factor – 2.51]
5. A.Anuradha, V.Lakshmi Kalpana, **Natukula Kirmani**, G.Sudhakar, S.Narsinga Rao and Peela Jagannadha Rao. Epidemiological Study on Bronchial Asthma. Indian Journal Of Applied Research; 3: 12; 2013.
6. Kalyani P, Kaiser Jamil, **Kirmani N**, Nagalakshmi K, Mohan Reddy N, Archana. Mutational analysis of Erythropoietin gene and its enhancer in anemic cancer patients. Sch. J. App. Med. Sci., 2(3A):942-948, 2014.
7. Jamil Kaiser, Reddy H, **Natukula K.** and Jayaraman A. Does cytogenetics have answers to genomic instability in cancers with Leukemia as the most studied example? Res. J. Biotech. 9(6),15- 25, 2014. [SCI Impact Factor – 0.262]
8. Anuradha A, V. Lakshmi Kalpana, **Natukula Kirmani**, Peela Jagannadha Rao. CYP Polymorphism and Its Association with Tobacco Usage and Susceptibility to Head and Neck Cancer. Next Generation DNA Led Technologies. 35-48, 2015.
9. **Natukula Kirmani**, Allati Prathibha Sri, Nadiya Banu, Argi Anuradha and BV Victoria. Rapid Isolation and identification of E. coli bacteria from drinking water. International Journal of Applied Research 2017; 3(5): 827-829.
10. Ramesh Teegala and **Kirmani Natukula**. Role of Mesenchymal Stem Cells (MSC) in the Management of Brain Stroke. Res Med Eng Sci. 2017;1(4); 1-3.
11. Anuradha A, Kalpana VL, Kirmani N. Multiple logistic regression analysis predicts cancer risk among tobacco usage with glutathione S-transferase p1 genotyping in patients with head and neck cancer. Indian J Cancer. 2019 Jan-Mar;56(1):24-28. doi: 10.4103/ijc.IJC\_277\_17. PMID: 30950439. [SCI Impact Factor: 0.90].

12. Atla B, Botta VSK, Balakrishnan P, Lalam N, Argi A, Natukula K. A clinico-haematological study of hereditary hemoglobinopathies: a tertiary care centre experience. *Int J Res Med Sci* 2021;9:2309-14.
13. Chilukuri S, Kallam AR, Gudeli V, Kolusu KVVR, Natukula K. Reclassification and histopathological study of vascular anomalies according to ISSVA (2018 revision) classification. *J Med Sci Res.* 2021; 9(4):204-210.

#### **Seminars / Conferences Attended**

- II Annual Conference of Indian Association Of Applied Microbiologists (**IAAM**), Presidency College, Chennai (Dec-2002).
- International Seminar on Recent Advances in Biotechnology, PRC College, Thanjavur(2003).
- National Conference on Biotechnology: Present Perspectives and Future Challenges, Erode Arts College, Erode (Mar-2004).
- International Conference on Biomarkers in Health and Environmental Management & Environmental Mutagen Society of India. PSG College of Arts & Science, Coimbatore (January-2007).
- Attended "International Conference on Biomarker Research", Sep 13-14, Hyderabad, 2013.
- Attended International Conference on "Genomics in Health and Diseases (GHD-2014)", Aug 22-23, Hyderabad, 2014.

#### **Workshops participated**

- Attended workshop and underwent training on 2-D Gel Electrophoresis for two days at Indo American Cancer Institute and Research Centre, Hyderabad.
- Attended 2 days workshop on Fluorescence InSitu Hybridization (FISH) at indo American cancer institute and research centre, Hyderabad.
- "Genomics, Proteomics and Bioinformatics" (GPB - 13) held on 19 to 21st July, 2013 at Department of Biochemistry & Biotechnology, Annamalai University, Annamalai Nagar-608 002, Tamil Nadu.
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- Attended Lectures and hands on practical sessions in “Basic Confocal Microscopy” which held from Dec 27th 2015 to 06th Jan 2016 at UGC- networking Resource Centre, Division of Biological Sciences, Indian Institute of Sciences (IISc), Bangalore.
- Attended 2 days “National workshop on Statistical Genetics and Genomics Using R software” from November 12-13 Feb 2016 Organized by Department of Biotechnology, A.V. College of Arts, Science & Commerce, Hyderabad.

#### Awards

- ✓ Secured 3rd Prize in Quiz competition [Technologies on Molecular Analysis of Cell & Cellular Dynamics (TMCCD-2015)] conducted by NIT- Rourkela.
- ✓ Secured 1st rank in college level Quiz competition conducted by Sree Vasavi Kanyaka parameswari Arts, Science & Commerce College, Markapur in the year 1997.
- ✓ Stood 2nd rank in District level Quiz competition conducted by Zilla Grandhalaya Samstha, Ongole in the year 1994.
- ✓ B certificate in National Cadet Corps (NCC).

#### Current research areas of Interest & major field of Specialization

- ✓ Cancer Pharmacogenomics,
- ✓ Nosocomial Infections in chemotherapy,
- ✓ Chemotherapy induced viral reactivation,
- ✓ Angiogenesis Research and Circulating tumor cells.

#### References

1. **Dr. Suresh Attili,**  
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