



HARINI RAJEEV

An **Academic Researcher** with a profound interest in health services offering **6.5 years of rich and qualitative experience in Research & Development, Teaching and Healthcare Services**; targeting challenging roles in **Scientific Research & Healthcare** with an organisation of high repute
Preferred Location: United Kingdom/ Mumbai, Bengaluru, Chennai

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Profile Summary

- Qualitative experience of contributing and leading as a **Researcher** and **managing projects** for grant and funding applications to post-project reporting
- Extensive experience of conducting research on the diseases **Tuberculosis** and **AIDS**
- Excellence in providing **high-quality, research-led teaching** by leveraging **in-depth knowledge** of **sub-microscopic aspects** of **disease** in the delivery of core modules for undergraduate and graduate programme in biomedical science
- Skilled in the Design of Experiments, Process Characterisation and Statistical Analysis of data
- Facilitated **Method Development** and **Validation** such as rigorous testing of the methods to ensure that they are precise, accurate, reproducible, and specific to the product
- Excellent record of conducting **extensive research** in **molecular pathology** built through international research fellowships with some of the world's leading research and educational institutions
- Authored **critically acclaimed publications** and possess an in-depth knowledge of **Protein Biochemistry, Molecular Microbiology** and **Microbiology**

Core Competencies

Research & Development

Scientific Document writing

Health care apprentice

Project Management

Quality Assurance & Quality Control

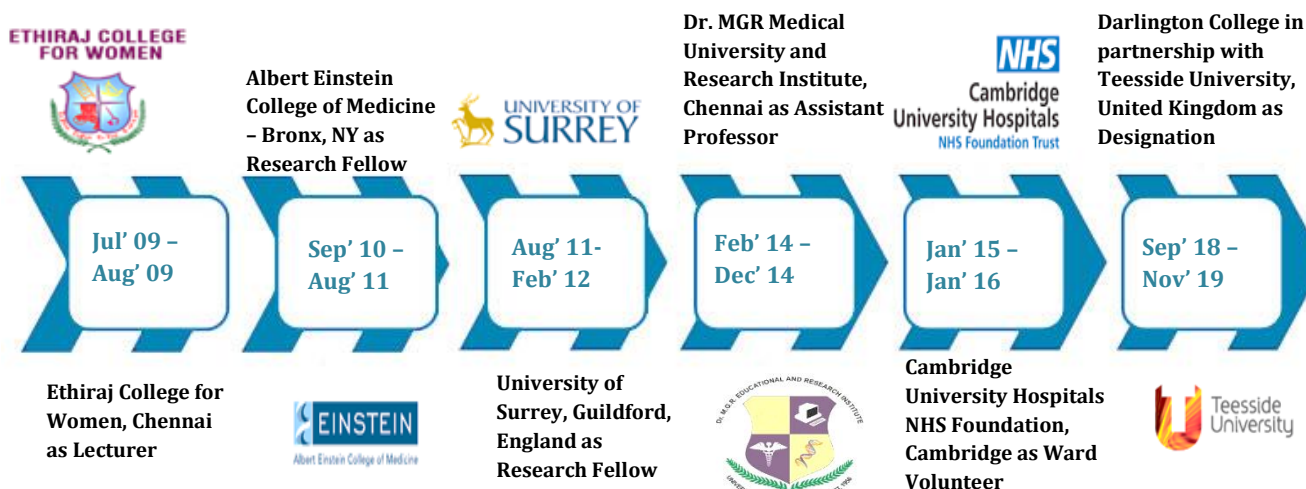
Liaison & Coordination

Resource Optimisation

Training & Development

Team Building & Leadership

Career Timeline



Professional Experience



**Darlington college in partnership with Teesside University,
United Kingdom as Student teacher**

Sep' 18 – Nov' 19

Key Result Areas:

- Taught a group of BTEC applied science students in the college and assisted them in course work
- Participated in academic collaboration with peers (exchanging ideas, lesson plans, teaching methods, and technology training)
- Performed class-related administrative duties such as student counselling, committee sessions and organized faculty meetings
- Reviewed program materials and coordinates updates to keep department materials relevant and accurate
- Spearheaded efforts to manage and participate in the departmental curriculum review projects, and ensured that the class achieved a 100% passing score
- Integrated technology based curriculum regarding the distance learning program, for the department of distance learning, and adapted teaching materials on a regular basis
- Leveraged the communication skills demonstrated through the design of classroom presentations and lectures, creation of detailed written lesson plans & student evaluations, and demonstrated the ability to establish and maintain professional relationships



**Cambridge University Hospitals NHS Foundation, Cambridge as
Ward Volunteer**

Jan' 15 – Jan' 16

Key Result Areas:

- Facilitated social contact and holistic patient-centred support to patients with the clinical ward environment
- Collaborated with healthcare staff and assisted the patients through mealtime upholding dignity and respect
- Conducted the patient feedback survey through the discharge processes compiling reports and analysis
- Supported healthcare staff with the emotional and social support of short-stay and long-stay patients

Previous Work Experience



**Dr. MGR Medical University and Research Institute, Chennai, India as
Assistant Professor**

Feb' 14 – Dec' 14

- Provided class presentations in cell biology, bioinformatics, stem cell biology
- Attended seminars & workshops and developed posters
- Rectified assignments and provided feedforward to students and H.O.D
- Carried out general errands for academic staff like printing, scanning and photocopying



University of Surrey, Guildford, England as Research Fellow

Aug' 11– Feb' 12

Highlights:

- Contributed to the intensive molecular cloning research
- Analysed the functional characterization of kinase proteins in *Mycobacterium tuberculosis*
- Conducted experiments in molecular cloning utilizing chemostat methods to examining growth phenotypes
- Supported the compiling of research and in the authoring of papers for publication
- Presented elements of the publication to peers at scientific review sessions
- Created an in-depth project report that was critically acclaimed by peers



**Albert Einstein College of Medicine – Bronx, NY as Research
Fellow**

Sep' 10 – Aug' 11

Highlights:

- Secured the position in the College following the recommendation of the Chairman of the Microbiology & Immunology Department
- Acted as an integral member of the Molecular Cloning Research Team that achieved international critical acclaim
- Conducted research on the in-vitro biochemistry of aptamers and their interaction with vital target proteins
- Specialised in the aptamer expression by molecular cloning in bacteria

- Attained the Faculty 1000 Associate Member status with the peer-reviewed 'Macromolecular assemblies and machines publication'



Ethiraj College for Women, Chennai as Lecturer

Jul' 09 – Aug' 09

Highlights:

- Tutored bachelors and masters students in microbiology
- Arranged several modules in general microbiology and microbial physiology



University of British Columbia , Division of Infectious Diseases, Vancouver as Visiting Scientist & Teaching Fellow

Aug' 06 – Jul' 07

Highlights:

- Served as an exchange student in the Proteomics and Enzymology Group
- Performed biochemical characterization of PKNL enzyme
- Employed advanced techniques in proteomics such as Phosphorylation Assays, Thin Layer Chromatography, Affinity Purification of Proteins, Mass spectrometry analysis to identify phosphorylation sites



VHS-YRG CARE Infectious Disease Laboratory YRG Centre for AIDS Research and Education (YRGCARE) Voluntary Health Service Hospital Campus Taramani, Chennai as Senior Research Fellow

Jan' 04 – Jul' 04

Highlight:

- Successfully performed the Serological (ELISA) and Molecular Tests (PCR) to detect the prevalence of sexually transmitted diseases caused by Chlamydia, Nisseria and HIV in a high risk group in Tamil Nadu

Part-Time Experience

Kumara Rani Meena Muthiah College of Arts and Sciences, Chennai as Part Time lecturer in Microbial Technology

Jan' 04 – Jun' 04

Certifications

- **University Certificate in Advanced Continuing Education** from Teesside University, UK in 2019
- **Introductory course in Bio informatics**, Anna University, Chennai, 2005
- **Radio Safety Certificate examination, University of British Columbia**, 2006 (for the safe use of radio nucleotides in lab settings)

Affiliations

- **Fellow of Indian Associate of Medical Microbiologists* Indian Immunology Society *Associate member of society for Education and Training**

Courses

- IELTS English, Melton College, York 2019
- Functional Skills Level 2 in ICT 2019
- Microsoft certified educator 2019
- Mindfulness based stress reduction, QE Sixth form college, 2019
- GCSE Maths Grade C 2016
- Teaching Assistant, Level 3 Diploma, Cambridge Open College, 2013

Publications

- Lakshminarayanan H, Narayanan S, Bach H, Sundaram KG, Av-Gay Y. (2008) Molecular cloning and biochemical characterization of a serine threonine protein kinase, PknL, from *Mycobacterium tuberculosis*. Protein Expr Purif. 58 (2): 309-17

- Lakshminarayan H, Rajaram A, Narayanan S (2009) Involvement of Serine threonine protein kinase, PknL, from *Mycobacterium tuberculosis* H37Rv in Starvation Response of Mycobacteria. J Microbial Biochem Technol. 1: 030-036. doi:10.4172/1948- 5948.1000006
- Harini and Ananthan (2012) Phenotypes of ESBL-producing *Klebsiella pneumoniae* and *Escherichia coli* isolates recovered from pediatric subjects in Chennai, southern India. International Journal of Basic and Applied Medical Sciences ISSN: 2277-2103 2 (1):126 - 131
- Laxminarayan, Harini. (2012). Role of Comparative Genomics in Predicting Gene Function of Serine Threonine Protein Kinase L in *Mycobacterium Tuberculosis*. Methods in Molecular Biology (1064-3745)
- Laxminarayan, H. (2013). Genome-Wide Analysis for Predicting Gene Functions of Serine Threonine Protein Kinase L In *Mycobacterium Tuberculosis*. International Journal of Basic and Applied Medical Sciences, 3(2), pp.80-101

Academic Achievements

- **Cleared CSIR-UGC NET Exam for JRF & LS in 2004**
- Successfully cleared the **International English Language Testing System (IELTS)** and attained the **GT score 7.5/9 (Very Good User)** in 2009
- Recipient of :
 - **Dr. Eric Walker, Indo-UK British Council project endowment prize** for performance in M.Sc. degree examination, 2003
 - **Indo-UK British Council Project Endowment Prize** for performance in M.Sc. examination, 2003
 - **1st prize in intercollegiate paper presentation**, Janaki College of Arts & Science: “Nosocomial Infections and their Management”
 - **Best-All-Around prize** in intercollegiate “Micro-Quest” competition
- Attained the University of Madras 1st Rank in 2003.

Education

- **MBA in Applied Health & Safety Management** from Venkateshwara Open University, Itanagar in 2019 with **1st Division**
- **BTEC Diploma in Applied Sciences** from Darlington College, Darlington, England in 2018
- **PhD in Molecular Microbiology** from Tuberculosis Research Centre (affiliated to University of Madras), Chennai in 2010
- **Master of Science in Medical Microbiology** from Dr. A.L.M Post Graduate Institute of Basic Medical Sciences, Dept. of Microbiology, University of Madras, Chennai in 2003
- **Bachelor of Science in Microbiology** from Kumara Rani Meena Muthiah College of Arts and Sciences (affiliated to University of Madras), Chennai in 2000

Personal Details

Date of Birth	: 16 th September 1979
Languages Known	: English, Hindi & Tamil
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