

Cover letter to apply for Grant

From

Dr Shruthi

M.B.B.S, M.D., PCBRM(IFBA)

Department of Microbiology

Father muller medical college

Mangalore, India – 575002

Dear Sir/Madam

I have pursued my M.D in Microbiology and have worked as a senior resident in Virology. During my residency I have mastered the skills on molecular assays like conventional PCR, RT-PCR technique and viral culture for polio virus. My main area of interest includes molecular virology. During this COVID pandemic, I have been actively working in the diagnosis of COVID-19. My areas of interest are antimicrobial resistance, antimicrobial stewardship, infection control and molecular virology. I have been actively working as the resource person in various national level diagnostic workshops in microbiological techniques, reporting and infection control. I'm actively involving in research projects as well. I would like to learn more about infectious disease diagnosis and their presentation. The country of my residence is facing huge burden of communicable diseases in comparison to the non-communicable diseases, which can be preventable. This course will help me in carrying out my work more efficiently. I'm passionate about learning and carrying out newer diagnostic methods and interested to participate in problem solving exercises.

Thank you

Place: India

Date: 08.02.2022

DR. SHRUTHI

Permanent address

#217, Muddenahalli (Post),
Chikkanayakanahalli (Taluk),
Tumkur (Dist) – 572214.
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Official address

DR. SHRUTHI
Assistant professor,
Department of Microbiology,
Father muller medical college
Mangalore, India - 575002

Name of the Candidate: Dr. Shruthi

Date of Birth: 28.01.1993

Age: 28yrs

Gender: Female

Educational Qualification: M.B.B.S, M.D, part-time PhD(ongoing)

Current Designation: Assistant professor, Department of Microbiology,
Father muller medical college and Hospital

EDUCATIONAL QUALIFICATION

Professional Degree	Year	University/Institution
MBBS	2010- 2016	RIMS, Raichur, Karnataka, India
MD (Microbiology)	2017- 2020	JIPMER, Pondicherry, India
Professional Certificate in Biorisk Management	2021	International Federation of Biosafety Association(IFBA)
PhD (Medical Microbiology)	2021- till date	NITTE UNIVERSITY, India

WORKING EXPERINCE:

Post held (indicate	Period	Total Period	Employer's address
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temporary/permanent	From	To	Years	Months	Days	
Assistant Professor (Permanent)	22.05.2021	Till date				Father muller medical college and hospital, Mangalore
Senior resident (Microbiology)	07/02/2020	28.04.2021	1	2	21	SGPGIMS, Lucknow
Junior resident(Microbiology)	31/01/2017	30/01/2020	3	-	-	JIPMER, Pondicherry
Non PG Junior resident in Department of Obstetrics and Gynaecology	01/11/2016	30/01/2017	-	3	-	SIMSR&I, Tumkur

Worked as **Senior Resident in Virology section** in Department of Microbiology, SGPGIMS, Lucknow

Worked in **COVID-19 diagnostic lab** and **National Polio Surveillance lab**

Year: From February 2020 to April 2021.

ACADEMIC AND RESEARCH ACTIVITIES

1. **Resource person** in 1st National workshop on “Hospital infection control” , 2017
2. **Resource person** in XIV National workshop on “Diagnostic methods in clinical microbiology” , 2017
3. Participated in “Hospital acquired infection-Diagnosis and surveillance” CME on November 2017
4. **Resource person** in 2nd National workshop on “Hospital infection control” , 2018
5. **Resource person** in XV National workshop on “Diagnostic methods in clinical microbiology” , 2018
6. Participated in 59th Annual conference of Association of Microbiologists of India and International symposium on Host-Pathogen Interactions, 2018

7. Presented a **Poster** on “ Effect of extract of Centella asiatica with respect to toxin production, gene expression and its vibriocidal activity” in 59th Annual conference of Association of Microbiologists of India and International symposium on Host-Pathogen Interactions, 2018
8. As a part of the working members for workshop in training of regional technicians by Regional virology research and development laboratory
9. **Resource person** in 3rd National workshop on “Hospital infection control” , 2018
10. Participated in a CME on “ Anti-Microbial Resistance (Current status and way forward), 2019
11. Won a **1st prize** award in the quiz competition on Antimicrobial resistance and stewardship held in a CME on “ Anti-Microbial Resistance (Current status and way forward), 2019
12. **Resource person** for the XVI National workshop on “Diagnostic methods in clinical microbiology”, 2019
13. Received a certificate of participation in Value of Diagnostica in Antimicrobial Stewardship Organised by **Centre for Infectious disease Research and Policy (CIDRAP), University of Minnesota**
14. Won **2nd prize for Best Poster presentation** in an International conference of Diarrhoeal diseases **ASCODD** held in Bangladesh from January 28 -30th 2020
15. Participated in E-Microcon 2020
16. Participated in CIDSCON conference 2020
17. Certificate course for CRISPR-CAS-9 technology from learntoupgrade.com
18. Received record of achievement Open WHO courses for occupational health and safety for health workers in the context of COVID-19
19. Received a certificate of participation by University press India for attending the webinar on “ **The teaching of Microbiology Transitioning to the new CBME curriculum**” conducted by PIMS, KMC Manipal, BHU Department of Microbiology in Co-ordination
20. Received certificate of participation for the molecular diagnostics world summit 2020 – COVID-19 Webinar series, received 10CPD Credits accredited by the CPD International UK
21. Received certification of Participation in the AIIMS-ASM on Antibiotic Resistance: Renewed fight organized on 7th – 8th October 2020
22. Participated actively in the debate organized by E-Debate series, AMR Masterclass 2.0, BD diagnostics

23. Participated in the webinar by bioMerieux Relevance of AMS in Post-COVID Era held on Nov 23
24. Participated in the mycology webinar "An update on fungal infections" held on the 21st November 2020.
25. Awarded as the “**Young researcher award**” by the Institute of Scholars, Bangalore in the year 2020
26. Received **ESCMID funded observership** at the following ECC: **Westerdijk Fungal Biodiversity Institute, Utrecht, Netherlands** and is scheduled for March 2022
27. Received **ESCMID Outreach grant** for attending **ECCMID, 2020-2021** being held from 9 July to 12 July 2021
28. Received **ESCMID Outreach grant** for attending **ECCMID, 2021-2022** to be held from 23 – 26 April 2022, Lisbon
29. Actively participated in Pre-ECCMID Day on COVID-19 on 16 July by ESCMID
30. Received Certificate of participation “Conference on Statistics for Clinicians by IPSRET” in the year 2021
31. Received certificate of participation for “International Webinar on World Zoonoses Day” conducted by Manipal institute of virology, India ON 6th July 2021
32. Received certificate of participation for “ Select sciences virtual clinical science summit 2021” held on June 22-23, 2021
33. Received certificate of participation in the webinar “ Experientia doctrina: teaching and learning- self-directed learning” conducted on 16th June 2021

PUBLICATIONS:

1. Evaluation of performance of direct disk diffusion test from positively flagged blood culture broth, a large scale study from South India - Published in the Journal of Laboratory physicians
2. Effect of extract of Centella asiatica with respect to toxin production, gene expression and its vibriocidal activity – Published in Journal of Ethnopharmacology
3. A guide to the laboratory diagnosis of Corona Virus Disease-19 in Gastroenterologists’ perspective –Published in the Indian Journal of Gastroenterology

4. The spectrum of gastrointestinal symptoms in patients with Corona Virus Disease-19: Predictors, relationship with disease severity, and outcome – Published in Clinical and Translational Hepatology
5. Evaluation of seven commercial RT-PCR kits for COVID-19 testing in pooled clinical specimens in Journal of Medical Virology has the following publication status: Published as Early View
6. Etiopathogenesis of COVID-19, COVID-19 Booklet – a book chapter in Indian society of Anaesthesiology, UP chapter 2020
7. *Ralstonia mannitolilytica* septicemia in a tertiary care centre in north India: description of a cluster among high-risk patients – article in press

REVIEWER AND EDITOR: Total in 3 International journals and 2 National journals

1. Reviewer in the “ **Journal of antimicrobial chemotherapy- Antimicrobial Resistance (JAC)**” journal of British society of antimicrobial chemotherapy
2. Reviewer in the journal “ **PLOS one**”
3. Reviewer for the “ **International journal of Basic and Applied Sciences**” journal of Institute of Scholars
4. Reviewer in the Journal Open Microbiology Forum
5. Reviewer in Indian Journal of Medical Microbiology
6. **Associate Editor** in the **Journal of Gastrointestinal Infections**

MEMBERSHIP

1. Member in European Society of Clinical Microbiology and Infectious Disease (ESCMID)
2. Member in Society for applied microbiology(SFAM)
3. Member in Gastrointestinal Society of India(GISI) – Life member
4. Member in British Society of Antimicrobial Chemotherapy(BSAC)
5. Member in American society of microbiologist(ASM)
6. Member in Society for healthcare simulation (SHS) – Life member

TEACHING EXPERIENCE

1. Teaching experience for Undergraduate students in M.B.B.S, BSc Medical laboratory technology, BSc Nursing, BSc in allied medical sciences and Post graduate students in MSc Medical Laboratory technology for 3 years, during my tenure of Junior residency

2. Teaching experience for Postgraduate students in MSc Virology, Msc MLT, M.D
Microbiology for 2 Year

EXTRACURRICULAR ACTIVITIES AND LEADERSHIP SKILLS

1. Unanimously Elected as department representative by JIPMER resident doctors association
2018-19
2. Unanimously Elected as Hostel medical secretary for the year of 2018-19
3. Unanimously Elected as Vice President of Resident doctors association for the year of 2020-
2021
4. Invited speaker for “ **Slamming COVID with poetry**” in **ECCMID 2021** conducted on 12th
July 2021
5. Invited speaker for panel discussion on “ Violence against doctors” in MOJO story news
channel
6. I can play the instruments like Djembe and keyboard

DECLARATION

I hereby declare that all the details furnished above are true and to the best of my knowledge.

Date: 08/02/2022

Place: Mangalore, India

(Shruthi)