Nikhil Ram Mohan, Ph.D.

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Professional Summary

Senior scientific communicator and publication strategist with 18+ years of experience translating complex biomedical research into clear, accurate, and impactful scientific publications. Proven expertise in leading cross-functional teams, managing publication pipelines, and aligning scientific narratives with organizational and regulatory objectives. Author and co-author of 20+ peer-reviewed manuscripts, including reviews and perspectives, spanning microbiology, immunology, and infectious diseases. Adept at synthesizing data across computational and experimental disciplines to support high-quality publications, regulatory submissions, and scientific engagement in therapeutic areas relevant to viral hepatitis and inflammation.

Core Competencies

- Scientific Writing & Editing: Manuscript and abstract preparation, journal submission, revisions, author coordination, publication strategy.
- Publication Management: Cross-functional collaboration with clinical and research teams, timeline and deliverable tracking, compliance with GPP and ICMJE standards.
- Medical Communication: Data interpretation, visual storytelling, slide deck and poster development, executive summaries, and lay summaries.
- Research Expertise: Computational biology, data analytics (R, Bioconductor), molecular biology, immunology, microbiology.
- Leadership: Mentoring, grant writing, project management, multi-stakeholder collaboration, ethics and compliance oversight.

Professional Experience

Stanford University School of Medicine | Basic Life Research Scientist | May 2019 – Present | Stanford, CA

- Lead author and editor on 15 research articles, 1 review, and 2 perspective publications, disseminating complex genomic and immunologic findings to broad scientific audiences.
- Developed clear, data-driven narratives for NIH grants, internal reports, and regulatory documentation, securing over $7M in competitive funding.
- Managed interdisciplinary publication teams across biology, data science, and clinical collaborators; ensured accuracy, consistency, and compliance with institutional standards.
- Led data interpretation, visualization, and manuscript figure generation in R for multi-omics analyses supporting infectious disease research.
- Presented research findings at international conferences, GenomeWeb webinars, and the Absolute Gene-ius podcast, fostering broad scientific engagement.
- Drafted, reviewed, and maintained compliance documentation for IRB and biosafety protocols.

Boston College | Postdoctoral Fellow | Aug 2016 – May 2019 | Chestnut Hill, MA

- Designed and executed publication-ready analyses elucidating bacterial transcriptional landscapes and regulatory non-coding RNAs.
- Authored and co-authored 3 peer-reviewed articles; presented findings at national and international scientific meetings.
- Collaborated closely with senior investigators and co-authors to structure and finalize manuscripts, figures, and supplementary data.

Education

Doctor of Philosophy (Ph.D.) – Genetics and Genomics | University of Connecticut, Storrs, CT | 2016
Bachelor of Technology – Industrial Biotechnology | Dr. M.G.R. Educational and Research Institute, Chennai, India | 2007

Selected Publications

1. Haddock NL, Barkal LJ, Ram-Mohan N., et al. "Phage diversity in cell-free DNA identifies bacterial pathogens in human sepsis cases." Nature Microbiology, 2023.
2. Ram-Mohan N., et al. "SARS-CoV-2 RNAemia predicts clinical deterioration and extrapulmonary complications from COVID-19." Clinical Infectious Diseases, 2021.
3. Ram-Mohan N., Meyer MM. "Comparative metatranscriptomics of periodontitis supports a common polymicrobial shift in metabolic function." Frontiers in Microbiology, 2020.
4. Warrier I., Ram-Mohan N., et al. "Transcriptional landscape of Streptococcus pneumoniae TIGR4." PLOS Pathogens, 2018.

Technical Proficiencies

R • Bioconductor • RMarkdown • ggplot2 • Data Visualization • Unix/HPC • Publication Management Tools • Reference Management Software • MS Office Suite

Languages

English (fluent), Hindi, Tamil, Malayalam