

Synbiotic & Gut Microbiome Researcher (R&D)

(Prebiotics, Probiotics and Postbiotics)

Experience: 2+ years of hands-on bench research, preferably with experience in gut microbiology or probiotics.

Qualification: PhD or master's degree in Microbiology, Biotechnology, Nutritional Sciences, or a related field.

Role Summary

- We are seeking a motivated Synbiotic Researcher to design, execute and interpret research projects focused on developing safe, effective and scientifically validated synbiotic formulations.
- The role involves in-depth investigation of gut microbiota, microbial interactions and metabolite-driven mechanisms to support products that improve immune function, modulate metabolism and help prevent disorders associated with dysbiosis, including gut inflammation.

Specialized in:

- Advanced hands-on expertise in anaerobic and aerobic culture systems, strain isolation and phenotyping, high-throughput screening of synbiotic combinations, molecular characterisation (DNA/RNA extraction, qPCR, 16S rRNA sequencing library preparation), and functional validation of biotic activity.

Job Description:

- Design and execute in-vitro / in-vivo studies to evaluate synbiotic performance, biotic space to functional outcomes.
- Isolate, screen and characterize probiotic strains and study microbial interactions for synbiotic and postbiotic development.
- Perform molecular, metabolomic and biochemical analysis (HPLC, GC, MS, NMR) to identify key metabolites and mechanisms of action.
- Conduct artificial gut model, microbiome and bioinformatics / metagenomics analysis to assess community changes and health impact.
- Maintain complete research documentation, prepare reports and manuscripts, and support regulatory and safety (GRAS) compliance.
- Collaborate with interdisciplinary and industry teams to translate research into scalable and commercial synbiotic products.