



Metalytics, Inc.
PO Box 12496
Research Triangle Park, NC 27709
www.metalyticsbio.com

Metabolic Scientist/Biochemist
Research Triangle Park, NC, US | Full-time/Part-time

Metalytics provides critical information about cellular metabolic rates in living cells, giving our clients actionable results they can implement to accelerate research, development, and manufacturing timelines. Our technology-enabled and customized metabolic flux analysis services (*CoreMFA™*) allow investigators to quickly and rationally engineer improved cells and/or optimize cell culture media components with applications in a diversity of industries, including biopharma and specialty chemical manufacturing, biofuels production, synthetic biology, agricultural biotechnology, and cell-based food production.

We are seeking a skilled and motivated individual to join our small but rapidly growing company on a part-time basis as a metabolic scientist/biochemist. Interested candidates should have a graduate degree in biochemistry or similar discipline with training or experience in metabolism. Training will be provided to create metabolic network models using a graphical interface, to retrieve information from public repositories and to perform metabolic flux analysis using Metalytics' proprietary software. This position would work remotely with regular and flexible hours but preferably reside near the RTP area. Excellent communication skills, both written and verbal, and an ability to quickly acquire new skills is critical. Position can be part-time or full-time, compensation will be commensurate with experience.

Responsibilities:

Develop and optimize analytical methods for the characterization and quantification of primary metabolites, intracellular/extracellular metabolites, proteins, and lipids.

Develop MFA models and process data through these models to develop metabolic flux maps.

Analyze and interpret metabolic flux rates for client projects.

Analyze, integrate, and interpret data from multiple 'omics platforms (genomics, transcriptomics, metabolomics, proteomics, lipidomics) using bioinformatics tools and engage with other scientists and researchers to formulate hypotheses.

Optimize workflows for data acquisition, processing and analysis.

Required Qualifications:

Graduate degree (PhD preferred) in Analytical Chemistry, Biochemistry, Chemical Engineering, Systems Biology or similar field.

Experience in R programming/Python for statistical data analysis.

Preferred Qualifications:

Experience in GC-MS/FID, LC-QQQ/Q-TOF, HPLC.

Experience in metabolic flux analysis, metabolic engineering and/or synthetic biology.

Experience in analysis of data from multiple 'omics platforms (e.g. genomics, RNA seq, metabolomics, proteomics, lipidomics) using relevant bioinformatics tools.

Experience, interest, and ability to handle large amounts of data from diverse research disciplines (e.g., biomanufacturing, synthetic biology, mammalian, bacterial, and fungi).



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Preferred Working Style:

Should be a well-organized, self-motivated, quick learner who is able to handle multiple projects simultaneously.

Should have excellent laboratory skills and the ability to design and handle complex experiments and protocols.

Should be flexible with day-to-day duties and able to thrive in a start-up environment.

Must be an excellent team member with strong communication skills and a desire to work collaboratively.

Must hold himself or herself to the highest professional, scientific, and ethical standards.

Interested candidates should submit their resume/CV to careers@metalyticsbio.com.

Metalytics is an Equal Opportunity Employer and we encourage all qualified individuals to apply.