

Omega Yeast  
Bioinformatics Scientist  
Chicago, IL

Omega Yeast Labs was founded in 2013 and grows high quality, ready-to-pitch liquid yeast for professional and home brewers. We're known for our progressive propagation techniques, innovative strains and reliable, responsive service.

We love what we do with energy and excitement! We have a commitment to authenticity, friendliness and approachability which means that we connect on a personal level with brewers and our staff. We're fun, casual and sincere. Our people are engaging, invested, self-starters who make things happen because we believe we can do it better. We're nerds and we're cool with that!

We're looking for a Bioinformatics Scientist to join our growing Research & Development team. So if you spend your days crunching data and your nights and weekends crushing grain, this might just be your dream job!

About the role:

Our R&D team is well-versed in yeast genetics, molecular biology, biochemistry and brewing science. The Bioinformatics Scientist will play a central role in the development of new brewing strains, methods and products for the craft beverage industry. Initially, we will look to expand our NGS and genomic approaches to take advantage of the growing publicly available datasets, eventually building this into an in house sequencing program. This role will also involve processing and analysis of GC-MS datasets. We are looking for someone to be resourceful and curious with the knowledge base to propose new project ideas. A well-rounded training in molecular biology and bench science is ideal. The Bioinformatics Scientist reports to the Director of R&D.

Responsibilities:

- Write and implement efficient and effective bioinformatics analysis tools, pipelines and software

- Develop new methods and algorithms to identify and characterize brewing yeast genomes
- Create and maintain databases for high-throughput sequence analysis
- Design and implement an approach for a comparative analysis of GC-MS datasets
- Collaborate effectively with colleagues to provide support and mentoring for bioinformatics projects
- Communicate findings to coworkers, customers and beer enthusiasts, including presenting at conferences and/or meetings
- Other duties as assigned

Qualifications:

- Advanced degree (Masters or PhD) in bioinformatics, computational biology or related field
- Passion for craft beer and fermentation, with brewing experience (professional or hobby)
- Fluency in relevant programming languages, such as Python, Perl, R, Java, and/or C++
- Prior experience with molecular phylogenetics, genome assembly and annotation, variant analysis, and/or GWAS/QTL mapping
- Understanding and ability to perform the bench science required to complement bioinformatics projects
- Strong critical thinking, experimental design, data mining, interpreting biological significance, troubleshooting skills
- Ability to work independently and be self-driven
- Excellent interpersonal skills with demonstrated ability to collaborate and work effectively in a team environment