

C16 is an early stage startup company that uses microbes to brew palm oil, similarly to how beer is made. We are expanding our scientific team to build out our cutting edge technology, which relies on a co-culture of photosynthetic algae and oleaginous yeast. We are seeking a part-time research associate to support our efforts to engineer microbes that efficiently produce specialized products. The ideal candidate will be motivated, independent, enthusiastic about microbiology and genetic engineering, and passionate about sustainability. Associate will gain research skills in micro and synthetic biology, as well as exposure to biotechnology entrepreneurship.

Responsibilities

- Optimize genetic engineering platform for oleaginous yeast
- Run medium- and high-throughput screens for microbial production of specialized products
- Prepare and analyze microbial product samples using GCMS
- Independently study state of the art of laboratory co-culture of microbial species

Ideal candidate:

- Preferably undergraduate junior or senior
- ≥ 2 years in a biology lab environment
- Good understanding of basic molecular biological processes such as PCR, plasmid preparation, yeast and bacterial transformation
- Good understanding of microbiological concepts such as growth media, antibiotic selection, growth curves
- Knowledge of basic statistical analysis methods
- Experience with high-throughput biology preferred
- Experience with databases, scripting or programming a plus
- Prior experience with genetic engineering of microbes a plus
- Willingness to work independently in co-working biotech startup incubator laboratory space
- High attention to detail and excellent notebook maintenance

Please send CV and cover letter to andy@c16bio.com.

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