



Company: Kula Bio

Location: Natick, MA

Position title: Research Associate Process Development

Schedule: 9 am – 5 pm, Mon-Fri, Occasional weekend work

Employee status: Regular

Organization:

Kula Bio is a leader in sustainable nitrogen solutions, helping farmers improve crop yield and reduce environmental impact. We make a cost-competitive biofertilizer that boosts a naturally occurring process to deposit meaningful amounts of nitrogen in the soil.

We are looking for a passionate, self-motivated individual to join our Manufacturing Science and Technology (MSAT) group at Kula Bio. The candidate will contribute to the process development/optimization work to advance our MSAT/PD goals. Strong organization, communication, time-management, and collaborative skills are essential.

Duties:

- 1) Conducting microbial culture work at shake flask to benchtop bioreactor level with sterile techniques.
- 2) Microbial culture maintenance including cell banking/ cryopreservation.
- 3) Contribute to experimental design and execution of the fermentation process independently with minimal supervision.
- 4) Perform analytics associated with fermentation experiments such as optical density, plate counting etc.
- 5) Conducting experiments with meticulous record keeping of protocols, data, and observations through use of the scientific ELN.
- 6) Critically analyze data and present results to the team.
- 7) Developing and refining SOPs as needed.
- 8) Supporting activities such as media preparation, reagent preparation and plating.

Required Skills:

- 1) Proficiency in microbiological culture and aseptic techniques is a must.
- 2) Demonstrated expertise in microbiology and familiarity with microbial process development work.
- 3) Experience working with bioreactors is preferable.
- 4) Basic understanding of analytical methods such as spectrophotometry, biochemical assays, and microbiological assays.
- 5) Familiarity with laboratory equipment including biosafety cabinets, laminar hoods, centrifuges, shakers, pH probes etc.
- 6) Understanding of DOE software, data analytics software, graphing software is preferred
- 7) Basic programming skills is a plus but not required.
- 8) Enthusiastic, flexible with excellent communication and organizational skills.
- 9) Flexibility on work hours such as morning/evening is preferred.
- 10) Ability to work in collaborative, fast-paced environment with a calm demeanor.

Educational qualification:

- B.S./M.S. in chemical engineering/biochemical engineering or biological sciences such as biotechnology, microbiology, or biochemistry.
- 0-2 Years Work Experience.

Additional Information:

- No Visa sponsorship is available for this role.
- Local candidates within commutable area are preferred.

Kula Bio has implemented a mandatory COVID-19 vaccination requirement for all employees. This will be a condition of employment.

At Kula Bio, we work and live by our shared values of Innovation, Intellectual Honesty, Balance and Integrity. Our values are guiding principles to developing best in class biological products and enable farmers a cost-effective technology. For more details, please visit our company site www.kulabio.com.

If you are interested in this job, please email your resume and cover letter to admin@kulabio.com.