



## Sr. Scientist and Director of Biomanufacturing

MelaTech is looking for a talented and responsible individual with excellent work ethics to optimize and scale-up downstream/upstream processes for fungal melanin production ([US20220042056A1](#)), from bench to pilot scales (50-200 L). Optimization includes determining the growth conditions associated with faster melanization and higher melanin yields at lower costs. Scale-up includes troubleshooting contamination issues, maintaining optimal growth and isolation parameters, and confirming the quality of the product through microscopy, UV-Vis spectroscopy, and/or elemental analyses.

The candidate will be expected to (1) prepare monthly reports to be submitted to the government per the STTR Ph II contract, (2) keep detailed records of data, (3) meet weekly to discuss experiments and progress, (4) maintain a clean and orderly workspace, and (5) perform basic laboratory administrative duties such as tracking and ordering inventory. The candidate should be adaptable and flexible in prioritizing and time management.

- M.S. or Ph.D. degree in engineering, microbiology, biochemistry, chemistry, or a related science discipline.
- Able to work both independently and in a team environment.
- Proficient in verbal and written communications skills in English.
- Well-organized, proactive, self-starter detail-oriented, and reliable team player.
- Kind, curious, and enjoy learning new things.

We will support your growth as a scientist and individual, providing a low-stress work environment and placing a high degree of trust in your ideas and execution.

MelaTech LLC is dedicated to promoting inclusion and diversity to our team while providing equal employment opportunities to all employees and applicants.

MelaTech LLC is a Johns Hopkins University spinoff biotech startup founded in 2018 to produce fungal melanin at industrial scales and to develop melanin-based biotechnologies for a variety of commercial applications. The unique optical and physicochemical properties of melanin polymers have tremendous commercialization potential but access to natural melanin is currently limited to cuttlefish at ~\$460/g, which prohibits the development of commercial products. MelaTech aims to unlock melanin's innovation potential by producing the best quality melanin from scalable fungal and bacterial sources.

**Location:** We are located at FastForward, 1812 Ashland Ave. Baltimore, MD 21205.

**Start Date:** April 2022

**Duration:** Two years with the opportunity of extension.

**Salary:** Competitive and negotiable.

**Hours:** Full time.

**How to apply:** Please send a letter of interest, resume/CV, and 2 references to [radames@melatech.space](mailto:radames@melatech.space).

