This two-day course provides an introduction to the typical upstream operations carried out in a biopharmaceutical manufacturing facility. This course will include both hands-on practical and theory components. During this course trainees will be introduced to cell culturing techniques using small scale shake flasks. Trainees will then gain hands-on, practical experience using both scalable stirred bioreactors, including wave bags, as well as traditional upright mechanically agitated bioreactor including a 50L and a 200L single use bioreactor.

TARGET AUDIENCE
This course is designed for operators, technical staff, engineers and managers wishing to increase their knowledge of the upstream operations in a modern bioprocessing plant.
LOCATION

The course will be held at the state-of-the-art Jefferson (University) Institute for Bioprocessing, a 25,000 sq. ft. fully flexible cGMP-like facility approximately 20 miles northwest of Philadelphia with close access to the Philadelphia International Airport, highways, hotels, and restaurants.

FEE

The course fee is $2,000 per attendee, and includes all lab equipment and supplies, handouts and materials. Breakfast, lunch and snacks are also included. If requested, the Jefferson Institute for Bioprocessing team can assist in securing convenient accommodations.

ACCOMMODATIONS

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For further information contact:

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