

INTRODUCTION TO DOWNSTREAM PROCESSING OPERATIONS

JEFFERSON INSTITUTE FOR BIOPROCESSING INDUSTRY BIOPROCESS TRAINING (IBioT) PROGRAM

Jefferson Institute for Bioprocessing, Spring House Innovation Park

For dates and to register, CLICK HERE!

In biopharmaceutical processing, downstream operations deal with removal of soluble and insoluble impurities including both process and product related impurities. The intent of downstream operations in biomanufacturing is to create the optimum process environment for removal of these impurities by selecting an appropriate purification strategy.

This three-day course provides a basic overview to downstream operations carried out in a biopharmaceutical manufacturing setting. This course will include both hands-on practical and class-room components. During the course, trainees will be introduced to basic downstream operation techniques and strategies for removal of impurities including host cell protein, host cell DNA, product aggregates and fragments, viruses and other impurities. Trainees will then gain hands-on, practical experience using scalable chromatography systems as well as product concentration and buffer exchange using TFF, and API freeze-thaw operations.



TARGET AUDIENCE

This introductory course is intended for technicians, operators and process design and development professionals new to downstream operations.

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 \$3,000 per attendee, and includes all lab equipment and supplies, handouts and materials. Breakfast, lunch, snacks and one course dinner are also included. If requested, the Jefferson Institute for Bioprocessing team can assist in securing convenient accommodations.

ACCOMMODATIONS

Residence Inn by Marriott Philadelphia Montgomeryville

1110 Bethlehem Pike North Wales, PA 19454 267-468-0111 Hampton Inn & Suites Philadelphia Montgomeryville

121 Garden Golf Blvd. North Wales, PA 19454 215-412-8255 Courtyard by Marriott Philadelphia Montgomeryville

544 Dekalb Pike North Wales, PA 19454 215-699-7247 Candlewood Suites Philadelphia-Willow Grove

250 Business Center Dr. Horsham, PA 19044 888-614-3125





For further information contact:

Lyn Kugel

Director of Corporate Engagement, Jefferson Institute for Bioprocessing hlynda.kugel@jefferson.edu