



mini-BIOMAN: Design of Experiments for Biomanufacturing
June 11, 12, & 13 2019, MiraCosta College, Oceanside, CA
Registration Application

Design of experiments (DOE) is a system that optimizes a process through the methodical varying of key parameters and a formalized statistical approach to analyzing, interpreting, and applying the results. DoE is designed to make any process more robust and minimize variability from external sources. A crucial tool during process development, DoE can be applied when screening for critical process parameters and when working towards Six Sigma goals.

This mini-BIOMAN hands-on workshop builds upon the statistical concepts required for DOE, including hypothesis testing, confidence intervals, and statistical models. Workshop participants will apply DoE methods using JMP statistical software during hands-on laboratory activities. Activities will include an introduction to JMP statistical software, hypothesis testing, full factorial design, and screening designs with DoE blocking. Participants will analyze data they collect from basic laboratory experiments involving volume measurement and cell lysis. This workshop will incorporate presentations from industry professionals in Southern California's biotech hub and an industry site tour.

At the conclusion of the mini-BIOMAN, participants will have a comprehensive, ready-to-insert curriculum module to utilize in their own classrooms. Curricular materials include PowerPoint slides and links to helpful resources and references, as well as hands on activities. Accommodation, breakfast and lunch are provided each day of the conference, and transportation to off-site venues is included. Participation in all three days of the workshop is required.

** A limited number of travel stipends are available for out-of-town participants.*

** Registration will remain open until all participant positions are filled.*

To register, complete this form and return to Matt Marshall, NBC2 Program Manager, at mmarshall@mc3.edu. Registrations will be accepted on a first-come, first-served basis, contingent on review by NBC2 leadership.

First Name _____

Last Name _____

Email Address _____

Phone Number _____

Job Title _____

College/Organization _____

Street Address _____

City _____

State _____

Zip _____



Have you previously attended a professional development event hosted by NBC2?

Do you currently have a biotechnology/biomanufacturing program at your institution? If so, which relevant courses do you currently teach or have you taught in the past?

For reporting purposes, NBC2 will issue an evaluation survey immediately following the conference and 6 months after the conference. Are you willing to complete these surveys?

NBC2 has a limited number of stipends to cover the cost of your travel. Would you like to be considered for a travel stipend from NBC2?

YES

NO