***Protein is Cash: Introduction to Biomanufacturing Teachers Workshop***

Glendale Community College, Glendale, Arizona 85302

Chief Host Contact: James Tuohy/Biology Department [James.tuohy@gccaz.edu](mailto:James.tuohy@gccaz.edu)

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*Chif HostNBC2 Trainers:* **Sonia Wallman**, NBC2 Executive Director and PI ([swallman@biomanufacturing.org](mailto:swallman@biomanufacturing.org))

**Mary Jane Kurtz**, NBC2 Educational Consultant ([mjkurtz1@yahoo.com](mailto:mjkurtz1@yahoo.com))

*Bio-Rad Trainer:* **Leigh Brown** ([leigh\_brown@bio-rad.com](mailto:leigh_brown@bio-rad.com))

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| **Date** | **Time** | **Agenda** | **Location** | |
| June 9, 2014 | 8:00AM  8:30AM  9:30AM  11:30AM  12:00PM  2:00PM  3:30PM | Breakfast (in LS 273)  Overview of Biomanufacturing: *Sonia Wallman*  Introduction to Metrology Lecture & Lab: *Mary Jane Kurtz*  Metrology in the lab  Lunch and Networking (in LS 273)  Tour of Celgene Pharmaceutical Company  Day Adjourns | | LS 323 | |
| **Date** | **Time** | **Agenda** | | **Location** | |
| June 10, 2014 | 8:00AM  8:30AM  9:30AM  11:30AM  12:00PM  1:00PM  3:00PM | Breakfast (in LS 273)  Overview of Discovery Research & Upstream Processing: *Sonia Wallman*  Bacterial Transformation & Upstream Processing Lecture and Lab:  *Mary Jane Kurtz*  Education Speaker:  Lunch and Networking (in LS 273)  Transformation & Upstream Processing Lab: *Mary Jane Kurtz, Sonia Wallman and Leigh Brown*  Day Adjourns | | LS 323 | |
| **Date** | **Time** | **Agenda** | | **Location** | |
| June 11, 2014 | 8:00AM  8:30AM  9:30AM  11:30AM  12:00PM  1:00PM  3:00PM | Breakfast (in LS 273)  Introduction to Downstream Processing & Chromatography: *Sonia Wallman*  Chromatography Lecture & Lab: *Mary Jane Kurtz*  Education Speaker:  Lunch and Networking (in LS 273)  Chromatography Lab: *Mary Jane Kurtz, Sonia Wallman and Leigh Brown*  Day Adjourns | | LS 323 | |
| **Date** | **Time** | **Agenda** | | **Location** | |
| June 12, 2014 | 8:00AM  8:30AM  9:30AM  11:30AM  12:00PM  1:00PM  3:00PM | Breakfast (in LS 273)  Introduction to Sampling & Quality Control Biochemistry: *Sonia Wallman*  SDS-PAGE QC Biochemistry Lecture & Lab: *Leigh Brown, Mary Jane Kurtz  and Sonia Wallman*  Education Speaker:  Lunch and Networking (in LS 273)  SDS-PAGE QC Biochemistry Lab:  *Mary Jane Kurtz, Leigh Brown and  Sonia Wallman*  Day Adjourns | | LS 323 | |
| **Date** | **Time** | **Agenda** | | **Location** | |
| June 13, 2014 | 8:00AM  9:30AM  10:30AM  12:00PM  12:30PM  1:30PM  2:00PM  3:30PM | Breakfast (in LS 273)  Overview of Biofuels: *Leigh Brown*  Cellulosic Biofuels Lecture & Lab: *Leigh Brown, Mary Jane Kurt, and  Sonia Wallman*  Lunch (in LS 273)  Leave for Tour of AZCATI  Arrive at AZCATI  Tour  Workshop Adjourns | | LS 323 | |