



**BIOMAN 2012 Agenda**  
**Alamance CC, Graham, NC**  
**July 23-26, 2012**

<i>Monday, July 23, 2012</i>	<i>Tuesday, July 24, 2012</i>	<i>Wednesday, July 25, 2012</i>	<i>Thursday, July 26, 2012</i>
8:30 - 9:00 am <i>Coffee, Introduction and Overview of NBC2</i>	8:30 - 9:00 am <i>Coffee, Networking</i>	8:30 - 9:00 am <i>Coffee, Networking</i>	8:30 - 9:00 am <i>Coffee, Networking</i>
9:00 - 10:00 am <b>Keynote</b> <i>Tim Bertram, DVM, PhD President, R&amp;D and CSO Tengion</i>	9:00 - 10:00 am <b>Keynote</b> <i>Jim Crawford KeraNetics LLC Career Paths in Regenerative Medicine</i>	9:00 am - noon <b>Hands-On Workshop</b> <b>Gowning, Aseptic Technique and Final Fill.</b> Bill Woodruff, <i>Alamance Community College, Sengyong Lee, Sarah Cote, Ivy Tech Community College</i>	9:00 - 10:00am <b>Keynote</b> <i>W. Steven Burke, President and CEO Biofuels Center of North Carolina</i>
10:00 - 10:15am <b>BREAK</b>	10:00 am - 1:00 pm <b>BREAK</b>		10:00 - 10:15am <b>BREAK</b>
10:15 am - noon <b>Panel</b> <b>How to write a successful grant proposal</b> <i>C. Carter, L. Fletcher, P. Schaefer, S.Wallman, J. Hewlett</i> <b>OR</b> <b>Panel</b> <b>Online tools and resources for Biomanufacturing education and training</b> <i>Mike Fino, MiraCosta College, Lara Dowland, Mt Wachussets CC</i> <b>OR</b> <b>Presentation</b> <b>Regulatory Considerations in Regenerative Medicine</b> <i>Vivian Ngan Winward, Salt Lake CC</i>	<b>VENDOR SHOW</b> <b>Biomanufacturing Equipment and Supplies Vendors</b> <i>Fisher, Artel, BioRad, AMG, Bucks</i>	<b>OR</b> <b>Hands-On Workshop</b> <b>TFF Filtration</b> <i>Tom Lucier, Alamance CC</i>  <b>OR</b> <b>Hands-on Workshop</b> <b>Switch to Switchgrass</b> <i>Jim Hewlett, Finger Lakes Community College</i>	10:15am – noon <b>Panel</b> <b>How to start a Biomanufacturing course</b> <i>L. Rehfuß, S.Wallman, V.Ngan-Winward, L.Dowland</i>  <b>OR</b> <b>Panel</b> <b>Integrating Biofuels into your Biotechnology Program</b> <i>Elmar Schmid, Danny Kainer, Jim Hewlett</i>
Noon - 1 pm <b>LUNCH</b>	Noon – 1pm <b>LUNCH</b>	Noon - 1 pm <b>LUNCH</b>	Noon - 1 pm <b>LUNCH</b>

<p>1:30 - 4:30 pm  <b>Hands-On Workshop</b>  <b>Beginner Track -</b></p> <p><b>Taq Polymerase, Expression, Purification and Activity</b>  Tom Burkett  Community College of Baltimore County</p> <p><b>OR</b></p> <p><b>Hands-On Workshop</b>  <b>Intermediate Track</b></p> <p><b>Expression of Dihydrofolate Reductase (DHFR) in E.Coli</b>  Tom Lucier, Alamance CC  Sherri Andrews, Bio-Rad</p> <p><b>OR</b></p> <p><b>Hands-On Workshop</b>  <b>Advanced Track</b></p> <p><b>Stem Cells: Growth and Maintenance</b>  Bill Woodruff,  Alamance CC</p>	<p>1:30 - 4:30 pm  <b>Hands-On Workshop</b>  <b>Beginner Track</b></p> <p><b>Quality Control Microbiology</b>  J. Hasyn, M. Bryans,  S.Byrne, L. Rehfluss,  Montgomery County CC,  Bucks County CC</p> <p><b>OR</b></p> <p><b>Hands-On Workshop</b>  <b>Intermediate Track</b></p> <p><b>Affinity Chromatography of Dihydrofolate Reductase (DHFR) using BioLogics LPC System</b>  Tom Lucier, Alamance CC  Sherri Andrews, Bio-Rad</p> <p><b>OR</b></p> <p><b>Hands-On Workshop</b>  <b>Advanced Track</b></p> <p><b>Stem Cells: Directed Differentiation</b>  Bill Woodruff,  Alamance CC</p>	<p>1:00 - 5:00 pm  <b>Field Experience Day</b></p> <p><b>Biogen Idec</b></p> <p><b>OR</b></p> <p><b>Piedmont Biofuels Center</b></p> <p><b>OR</b></p> <p><b>Tengion</b></p>	<p>1:30 - 4:30 pm  <b>Hands-On Workshop</b>  <b>Beginner Track</b></p> <p><b>Now that you have a bioreactor what are you going to do with it?</b>  Tom Burkett,  Community College of Baltimore County</p> <p><b>OR</b></p> <p><b>Hands-On Workshop</b>  <b>Intermediate Track</b></p> <p><b>Dihydrofolate Reductase (DHFR) Activity Assay</b>  Tom Lucier, Alamance CC  Sherri Andrews, Bio-Rad</p> <p><b>OR</b></p> <p><b>Hands-On Workshop</b>  <b>Advanced Track</b></p> <p><b>Stem Cells: Viability Assay Using Fluorescence</b>  Bill Woodruff,  Alamance CC</p>
	<p>6:00 pm  Reception and Dinner</p>		