



**Preliminary Schedule for BIOMAN 2012
Alamance CC, Graham, NC
July 23-26, 2012**

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

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