



SoCalBio
Southern California
Biomedical Council



Human Resources Conference

February 29, 2008 . Wilshire Grand Hotel
Los Angeles, California



- ✓24 unit Biotechnology Program certified by the State 2002
- ✓Predominantly academic with heavy wet-lab emphasis
- ✓Vocation Technical Education Act (VTEA) start up funds
- ✓Industry Driven Regional Collaborative (IDRC) in
 - biotechnology with Ventura College: 126 Corridor Project
- ✓Workforce Investment Act (WIA) training for displaced
 - aerospace engineers and precision assemblers.
- ✓SB-70 Outreach grant with Pasadena CC and Moorpark College



Populations Served

- Originally focused on transfer / academically inclined students with a handful of entry level technicians
- Biotechnology and biomedical device fields
- Workforce Investment Board training and placement: entry level and degreed engineers



Sources of funding

Previous and new

- Many of previously funded efforts still ongoing
- Department of Commerce equipment grant (\$2.7 million total)
- IDRC for nanotechnology (\$345K); being fused initially with biotech on entry-level efforts



Corporate partners: Company partners on biotechnology IDRC (126 Corridor Project) and other grants include:

- Advanced Bionics
- Bioness
- NeuroSystec Corporation
- Alfred E. Mann Foundation
- MannKind
- Quallion
- Second Sight
- St. Jude Medical
- Medtronic
- Specialty Labs
- Baxter Life Sciences
- Edwards Life Science
- Amgen
- Pharmavite
- Guidant Corporation
- Beckman Coulter
- Invitrogen
- Genentech
- Cardiac Science
- Bristol Meyer Squibb
- Seminis (Monsanto)
- Ceres
- Biosource (Invitrogen)
- Dermaport



Outcomes

- Biotechnology Program certified by State spring 2002
- Procured and installed clean room training facility in Al Mann Biomedical Research Park
- New academic lab facilities in Fall 2007 (doubled capacity)
- Aerospace engineers trained in biotech engineering: 100% placed in jobs
- Aerospace precision assemblers trained in medical device assembly: 81% placed in jobs
- Grants beget grants...
- On campus clean room and technician training boot-camp in planning stages



Lessons Learned in Forging Effective Partnerships with Industry

- Academic and career tech elements both needed for successful technician training
- Difficult to clarify industry needs
- Industry and academia define “entry level” differently



Concluding Comment and Contacts

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