Working Group Members:

- Eileen Breslin
- Jennifer Carey
- Richard Maguire
- Deborah Harmon Hines
- Sharon Grundel
- Joan Becker
- Donahue Institute – Lynn Griesemer
- David Wegman
- Kay Doyle
- Karen Melillo
- Greer Glazer
- Joan Becker
- Steve Crosby
- Paulette Seymour-Route
Common Themes That Emerged

• **Workforce issues on several levels**
  – Feeder Stream – STEM
    • K-12
    • Undergraduate
  – Life sciences Directly
    • Innovation researchers
    • Clinical researchers
  – Broad Training of Scientists
    • Most Education not unique to Life Sciences
    • Training relevant to many Massachusetts scientists

• **Searchable Database Needed for Programs and Workforce**

• **Strategies at Regional and State-wide Level**

• **Policy for Life Sciences**
  – Assess impact of Mass investment in Life Sciences
  – Support for K-12 and Higher Education Needs
  – Need for Research Training to Build Workforce
Issues on Scope and Extent of Pillar

- **Extent of Life Sciences Workforce**
  - Clinical Researchers
  - Those Who Implement and Assess Results of Research
    - Care Providers
    - Population Scientists

- **Extent of Engagement of UMass**
  - Research and Research Training
  - “Spin-off” Advantages of Strong Education for Other Fields

- **Policy**
  - Impact of Research
  - Quality of Education Stream for Researchers
Concerns with Topics Including in Pillar

- Broad or Narrow Definition of Workforce
- How Far Upstream and Downstream
  - K-6; 7-9; 10-12; Undergrad; Grad; Post-Doc
- Fundamentals of Education
  - Quality
  - Curriculum for the 21st Century
- Limits of Policy Agenda
  - Funding
  - Impacts
  - Needs
  - Quality Assessment
Workforce and Policy Initiative

Questions for the Task Force

• What Parts of the Workforce?
• What Parts of Education?
  – Undergraduate Funding
  – Funded Internships
  – Curriculum Redesign
  – Inter-campus Collaboration
• How Consider Diversity?
• What Parts of Policy?
• Missing Elements?
Workforce and Policy Initiative

Work Plan

• Developed Outline
• Assess Programs on and between campuses
• Assess STEM and Pipeline Programs
• Elements of Workforce and Policy Initiative
  – Infrastructure Needs
  – Faculty Needs
  – Curriculum Needs
  – Partnerships with Industry and Others
  – Policy Analysis Goals
  – Conclusion and Budget
Workforce and Policy Initiative

- Life Sciences Talent Initiative
- STEM Efforts
- Pipeline Programs
- Nursing and Clinical Education & Research

Policy
- Policy Development & Analysis
- Minority Health & Health Care Disparities
- Evaluating the State’s Investment in the Life Sciences

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Workforce and Policy Initiative

- Life Sciences Talent Initiative
- STEM Efforts
- Pipeline Programs
- Nursing and Clinical Education & Research

Policy
- Policy Development & Analysis
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