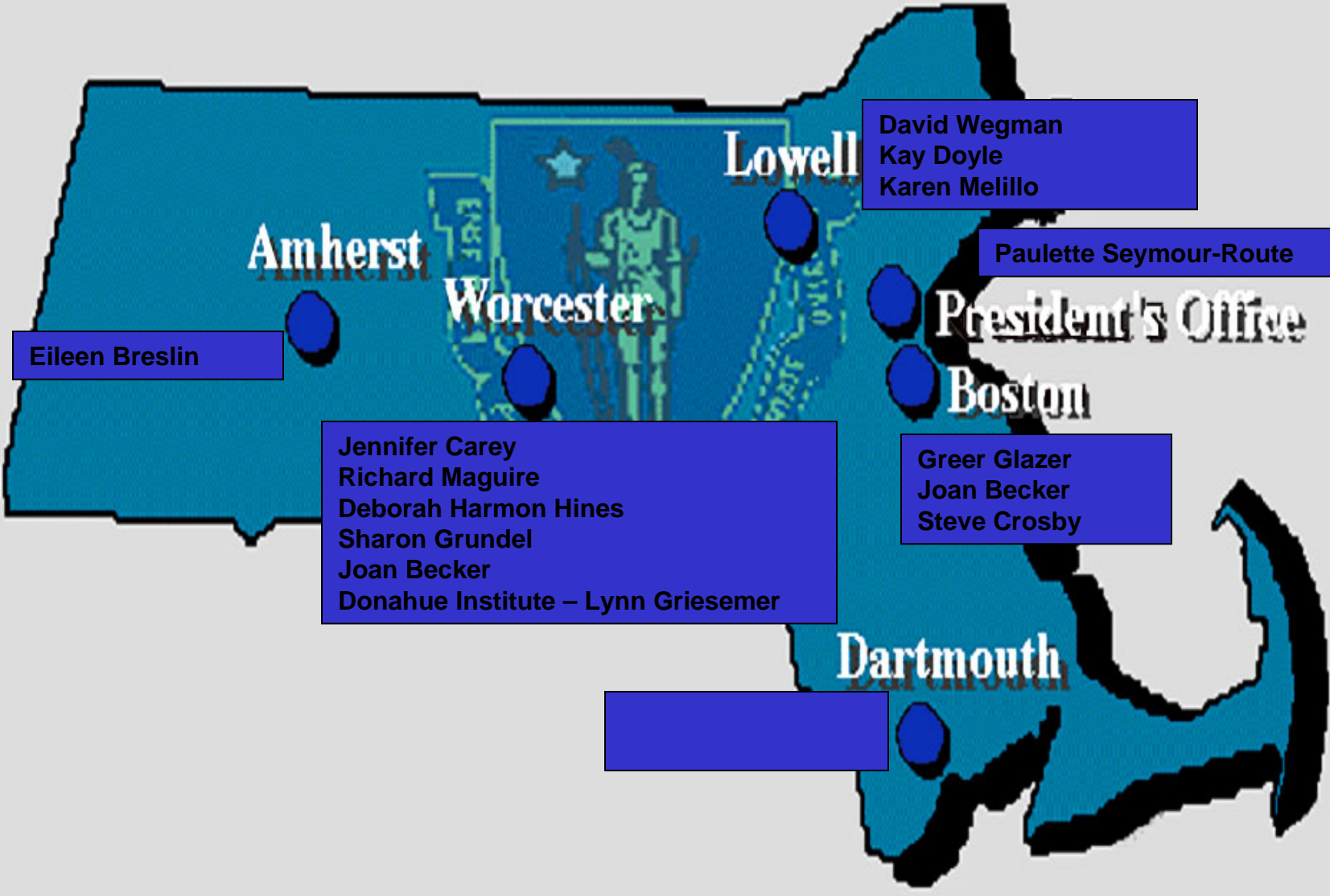


Workforce and Policy Initiative

Working Group Members:



- Workforce & Policy Initiatives**
- Human Capital**
- 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

Workforce and Policy Initiative

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**

Workforce & Policy Initiatives

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Workforce and Policy Initiative

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

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Workforce and Policy Initiative

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**

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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?**

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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**

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