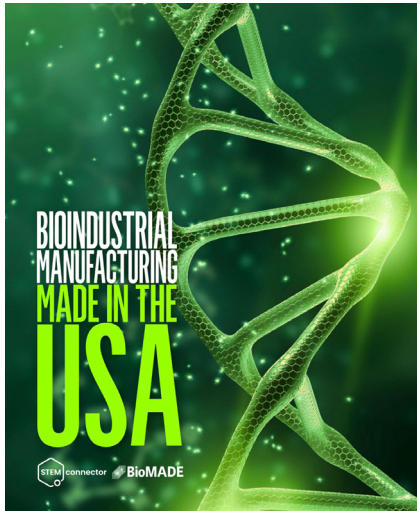


PARTNERSHIP BRIEF

ALIGNING STAKEHOLDERS FOR NON-PHARMA BIOMANUFACTURING



The Challenge

As the U.S. moved to build a domestic bioindustrial manufacturing base, the workforce questions were immediate and unanswered: Who fills these jobs? Which credentials matter? Which institutions can train workers? Most public conversation around biomanufacturing was still anchored in pharmaceuticals; the non-pharma applications spanning advanced materials, agriculture, food, and defense supply chains were rarely visible to the K–12 students, educators, community college programs, and corporate partners who would need to support and develop the workforce needed.

Partnership

BioMADE, a Department of Defense sponsored Manufacturing Innovation Institute, awarded STEMCONNECTOR a federal grant to lead a national stakeholder alignment campaign, translating a technical federal mission into a workforce strategy educators and employers could act on.

STEMCONNECTOR Provided:

- Research and thought leadership
- Workforce expertise
- National convening power
- Cross-sector stakeholder alignment
- Program design and scaling
- Strategic communications
- Corporate and non-profit partnerships
- National distribution and amplification

“STEMCONNECTOR’s national convening power and research capability translated a complex federal workforce priority into a strategy that educators, employers, and policymakers could immediately act on.”

Outcomes and Benefits

The BioMADE project engaged STEMCONNECTOR to provide a national stage to translate a federal innovation priority into a workforce strategy educators, employers, students, and policymakers could understand and support. For BioMADE, the result was a compelling evidence base, including an environmental scan, Innovation Lab reports, and a Gap Analysis Tool, that positioned the institute to direct its EWD investments with clarity and intention.

STEMCONNECTOR Delivered:

- Designed and led two multi-sector Innovation Labs convening K–12, community college, university, industry, government, and nonprofit stakeholders around the non-pharma biomanufacturing workforce agenda.
- Recruited 34 cross-sector leaders and 10 speakers for the flagship event at the College of San Mateo, including DoD keynote presenters, industry panelists, and student voices to leverage national relationships a single institute would be challenged to replicate alone.
- Built and piloted a Bioindustrial Manufacturing Gap Analysis Tool grounded in stakeholder interviews, surfacing a prioritized workforce agenda: regional hubs, K–12 teacher capacity, industry mentors, and credential pathways at minority-serving institutions.
- Published the co-branded Innovation Brief — capturing panels, thematic analysis, and pilot results in a single shareable resource that positioned BioMADE to direct its EWD investments with strategic clarity.

