# BioP2P Network

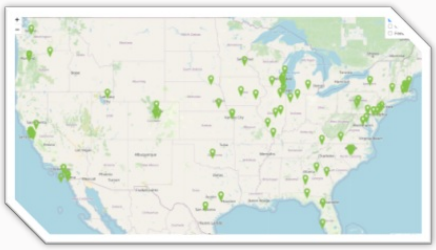
MANUFACTURING FOR THE BIOECONOMY

www.biomanufacturing.net

Newsletter. Edition 14: January 2025

## *BioProcess to Product Network News*


## US Toll Biomanufacturing and the BioP2P Directory



The BioP2P Directory has more than 80 biomanufacturing facilities in the United States listed in this free and searchable directory. The majority of these facilities have verified toll biomanufacturing capacity and DSP capabilities. The BioP2P Directory continues to grow - be sure to add your facility to the Directory today!

**Register a Facility**

### BioP2P Directory Spotlight Facility:

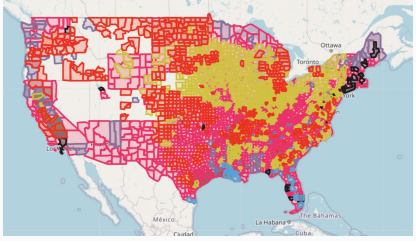
**BioZyme Inc.**

Located in Saint Joseph, MO, BioZyme offers industrial-grade large scale toll manufacturing. BioZyme has been in the fermentation business for more than 60 years and understands the stringent requirements and strict protocols necessary to produce a viable and high-quality product. The facility offers 150,000+ Liters of biomanufacturing capacity and features flexible state-of-the-art technology, from aseptic fermentation processes to advanced downstream processing equipment. This infrastructure ensures scalability for projects large and small. The experts on-site thrive on developing and scaling up fermented and dried products with consistent, high-quality results. Learn more at **www.biomanufacturing.net/directory**

## Feedstock maps in the BioP2P Directory

In partnership with the Department of Energy's National Renewable Energy Laboratory (NREL), the BioP2P Directory includes the mapping of nine

distinct feedstocks at the county level. Most recently rice straw and rice hulls have been added to the BioP2P Directory. The BioP2P Directory allows you to search by feedstocks and co-localize toll biomanufacturing facilities to feedstock supply. Visit the feedstock maps at: **BioP2P Directory | BioP2P**



## Looking ahead to 2025:

*AI is influencing the bioeconomy and seeming to dominate the latest conference keynote addresses and session topics. In this feature, Bob Beliveau shares how BioIT Solutions, Inc., is using AI to help advance production and precision in biomanufacturing.*

**AI Solutions**
Feature by Bob Beliveau.

The AI Revolution is in full swing and according to McKinsey, 60% of biotech companies will use AI for advanced data insights by 2028. But to maximize AI effectiveness, you must provide AI/ML models with well characterized data sets. What if you could capture data at the point-of-use and immediately have AI analyze for trends and avoid potential production errors?

One of our customers was involved in a large Biotech manufacturing campaign that experienced intermittent batch failures. Each lost batch cost > $1M, so this was an “all hands-on deck” emergency. They decided to transcribe 100% of the batch record parameters from paper into an electronic format that could be analyzed. After weeks of scrupulous investigation, they discovered the culprit. A supposedly like-for-like replacement flange gasket caused a slight airgap, and this was enough to contaminate a batch. In retrospect, this seemingly innocuous data point turned out to be very consequential indeed.

Imagine if instead, they had captured batch parameters immediately into an online Electronic Batch Record (EBR)? What if that EBR was tied to an AI/ML engine that could surface batch discrepancies and trends in real-time. This is the potential of AI when combined with a digital strategy.

EBRs are indeed a game changer for biomanufacturing companies. Not only can you prevent costly production errors, but you also accumulate a wealth of historical digital data that can be used for trending and training AI. But EBRs are expensive to implement and require specialized skills.

What if you could transform your existing Master Batch Records (MBR) that are currently formatted as Microsoft Word documents into EBRs? BioIT Solutions has recently added a an EBR Module to their 1Platform4® Manufacturing suite that allows you to do just that. Implemented as a simple Word Add-In and integrated with Office 365 and SharePoint, the Word Add-In makes EBR implementation easy. BioIT Solutions is offering members of the BioP2P Network early access to this exciting new technology. Contact BioIT Solutions at **sales@bioit.com** if you’d like to participate in our beta test program.

# Headlines in Biomanufacturing & the Bioeconomy

***Key Sector Takeaways Out of J.P. Morgan 2025***
Jan 21, 2025
Gilmartin Group

***The Good, The Bad, and The Ugly for CDMOs at JPM25***
Jan 17, 2025
Greg Slabodkin, PHARMA Manufacturing

***Top 5 Emerging Trends in Life Science and Biotech for 2025***
Jan 8, 2025
Benedette Cuffari, M.Sc., AZO Life Sciences

***China to Double Down on Biomanufacturing Investment in 2025***
Dec 30, 2024
Greg Slabodkin, PHARMA Manufacturing

***Biotech Trends for 2025: The Future of Biotechnology***
Dec 25, 2024
Sequence Biotech

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## Biomanufacturing Conference Calendar

**Click to add an event.**

- **ABLC 2025 Conference**, Mar 19-21, Washington DC
- **Future Food-Tech**, Mar 13-14, San Francisco, CA
- **BioProcess International, US West**, Mar 18-21, San Diego, CA
- **American Biomanufacturing Summit,** April 15-16, San Francisco, CA
- **BioMade Member Meeting,** Apr 29 - May 1, Minneapolis, MN
- **Future Food Tech and Alternative Proteins**, June 2-3, Chicago, IL
- **BIO International Convention 2025**, June 16-19, Boston, MA
- **2025 NIIMBL National Meeting,** June 24-26, Washington DC
- **Bio innovations Midwest**, Sept 15-16, Omaha, NE
- **BioProcess International**, Sept 15-18, Boston, MA
- **Contract Pharma 2025**, Sept 18-19, New Brunswick, NJ
- **ISPE Annual Meeting 2025**, Oct 26-29, Charlotte, NC
- **Biomanufacturing World Summit,** Nov 10-12, San Diego, CA
- **Alternative Fuels & Chemicals Coalition Conference**, Nov 16-18, Washington DC

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## BioP2P Talent Initiatives


The BioP2P Network recognizes a robust talent pool is essential for growing the biomanufacturing community in the United States.

Visit the **BioP2P Directory** to locate training programs in the US developing the talent pool for bioprocessing. The **BioP2P Career Center** is an additional resource for posting jobs and connecting to your next new hire.

**Post a Job Today**

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**Free to Use!**

**ABOUT US:**

**The BioProcess to Product Network** provides free

**Free to Join!**

**Free Resources!**

resources to support the biomanufacturing community in the United States. The BioP2P Network is a project of the **California Biomanufacturing Center** and with support from Schmidt Futures, a philanthropic initiative of Eric and Wendy Schmidt. Visit our **website** to meet the Scientific Advisory Board members who have contributed to this resource and follow us on social media.

## BioP2P Network By the Numbers:

| 84 | 9 | 22 |
|---|---|---|
| **Number of U.S. contract biomanufacturing facilities on the BioP2P Directory.** | **Number of distinct feedstocks mapped on the BioP2P Directory.** | **Number of job postings on the Career Center with BIOMANUFACTURING in the job description.** |

CALIFORNIA BIOMANUFACTURING CENTER

SCHMIDT FUTURES