



Metabolic Engineering

Fifth Interagency Conference on Metabolic Engineering

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Chair

Interagency Metabolic Engineering Working Group

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Metabolic Engineering

Participating Agencies/Departments

- Department of Agriculture
- Department of Commerce
- Department of Defense
- Department of Energy
- Environmental Protection Agency
- National Aeronautics and Space Administration
- National Institutes of Health
- National Science Foundation





Metabolic Engineering

Metabolic Engineering Working Group

Goals

- Promote the Advancement of Metabolic Engineering
- Coordinate Federal Metabolic Engineering Research
- Identify and Address Gaps in Metabolic Engineering Research





Metabolic Engineering

Accomplishments (10 Years)

- Held Three Interagency Workshops on Metabolic Engineering
- Held Five Interagency Conferences on Metabolic Engineering
- Issued Six Interagency Announcements of Opportunities in Metabolic Engineering
- Generated an Interagency Web Site (www.metabolicengineering.gov)
- Research Results have been Published in High Impact Journals





Metabolic Engineering

6 Interagency Announcements of Opportunities in Metabolic Engineering

Topic Areas of Interagency Interest

- Instrumentation, Tools, and Methods to facilitate the Study of Metabolic Pathways in Cells
- Quantitative and Conceptual Models
- Bioinformatics
- Engineering of Metabolic Pathways for a Desired Output





Metabolic Engineering

Responses to Announcements (6 Years)

Proposals	169
Awards	45
Award Total	\$28M
Pending Proposals	~65





NIST



Metabolic Engineering

Future Plans

- Issue New Interagency Announcements of Opportunities in Metabolic Engineering
- Sponsor Annual Interagency Conferences on Metabolic Engineering
- Maintain an Up-To-Date Interagency Web Site for Metabolic Engineering





Metabolic Engineering

Conference Theme

Metabolic Engineering: Strategies for Product Development

Topic Areas

Industrial Chemicals

Plastics/Polymers

Pharma/Nutraceuticals

Food/Seed Oils

Fuels

