



Fred Heineken

Chair
Interagency Metabolic Engineering Working Group (MEWG)

Program Director
National Science Foundation

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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 Working Group

Goals

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





Accomplishments

- Generated an Interagency Web Site
 - (www.metabolicengineering.gov)
- Held Seven Interagency Conferences on Metabolic Engineering
- Issued Five Interagency Announcements of Opportunities in Metabolic Engineering





5 Interagency Announcements of Opportunities in Metabolic Engineering (NSF 98-49) (NSF 99-85) (NSF 01-19) (NSF 02-037) (NSF 03-516)

Topic Areas of Interagency Interest

- Instrumentation, Tools, and Methods to facilitate the Study of Metabolic Pathways in Cells
- Quantitative and Conceptual Models
- Bioinformatics





Responses to Announcements

	NSF 98-49	NSF 99-85	NSF 01-19	NSF 02-037	NSF 03-516
Pre-Proposals	35	59	0	0	0
Full-Proposals	19	29	33	47	41
Awards	5	6	13	11	10
Award Totals	\$3.6M	\$3.1M	\$7.5M	\$7.6M	\$5.8M





Issues/Challenges

- Obtain Agreement on Language for a Five-Year Plan
- Obtain Approval of Five-Year Plan by the Subcommittee on Biotechnology Steering Group
- Obtain Agreement on Language for an Interagency Program
 Announcement and Where to Issue the Announcement
- Obtain Agreement on the Review of Proposals Responding to an Interagency Program Announcement
- Obtain Agreement on Funding Mechanisms for Awards





Resolution of Issues/Challenges

- Five-Year Plan Approved by the Subcommittee on Biotechnology Steering Group
- Program Announcements issued by the National Science Foundation
- Letters of Agreement Signed When Needed
- Management Plan Detailed How Awards are to be Administered





Lessons Learned

- Be as Flexible as Possible to Accommodate Different Agency Cultures
- Avoid Transferring Funds Amongst the Participating Agencies





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