FUNDING for INDUSTRY/ACADEMIC COLLABORATIONS
FORMS OF SUPPORT

• INDUSTRIAL
  – Unrestricted/Gifts
  – Sponsored research projects

• FEDERAL GRANT SUPPORT
  – GOALI
  – Centers for Chemical Innovation
Unrestricted Research Support/Gifts

• No IP Issues

• No Facilities & Administrative Costs

• Maximum Flexibility, but Minimum Accountability
  
  No specific line of research

  No conditions for reports/invoicing

  No return of unexpended funds

• Young Investigator Programs
Sponsored Research Agreements
Sponsored Research Agreements

LAWYERS!!
Sponsored Research Agreements

• IP Issues

• Facilities & Administrative Costs – need approval to waive

• Specific line of research

• Specific reporting and invoicing requirements

• Dissemination of results – publication issues

• Relevance to educational mission

• Formal programs established
NSF GOALI
Grant Opportunities for Academic Liaison with Industry

Promotes University-Industry Partnerships
  Provides exposure of academic coworkers to industry
  Industrial scientists bring perspective to academia

Targets high-risk/high-gain, fundamental research

New approaches to solving generic problems

Development of innovative, collaborative educational programs

Direct transfer of knowledge

Funding of transformative research that lies beyond what industry would normally fund
Supports research focused on major, long term chemical research challenges – transformative, lead to innovation that attracts broad scientific and public interest

Translation or transfer of basic research results into social or economic benefit

PIs must insure that proposed project does not overlap with ongoing federally-funded research
Sustainable Chemistry, Engineering and Materials 
SusChEM

New emphasis related to synthesis, use and reuse of chemicals

Must advance science to inform societal actions aimed at environmental and economic sustainability

Specifically addresses interrelated challenges of sustainable supply chains, production, and environmentally benign use of chemicals by design

Fundamental research topics of interest include replacement of rare, expensive, and/or toxic chemicals