

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



NSF Centers for Chemical Innovation

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

