The Ohio State University

College of Food, Agriculture and Environmental Sciences

The Ohio Agricultural Research and Development Center

Grant Development Support Unit (GDSU)

www.oardc.ohio-state.edu/grantsupport

Today's Panel

- **Dr. F. W. (Bill) Ravlin, Associate Director, OARDC**

- **Lori Kaser, Grant Development Support Unit Coordinator**

- **Laura Finch, CFAES Sr. Sponsored Program Officer, OSU Office of Research**

- **Dr. Mary Gardiner, Assistant Professor, Entomology, CFAES**

The Ohio State University
Ohio Agricultural Research and Development Center

- Research arm of the College of Food, Agriculture and Environmental Sciences

- 844 scientists and staff members in CFAES
  - (OARDC- 206 - Faculty, 442 - staff, 139 grad students)

- Largest agbioscience research facility

- 400 – 500 on-going research projects

- Current research portfolio of $126 M
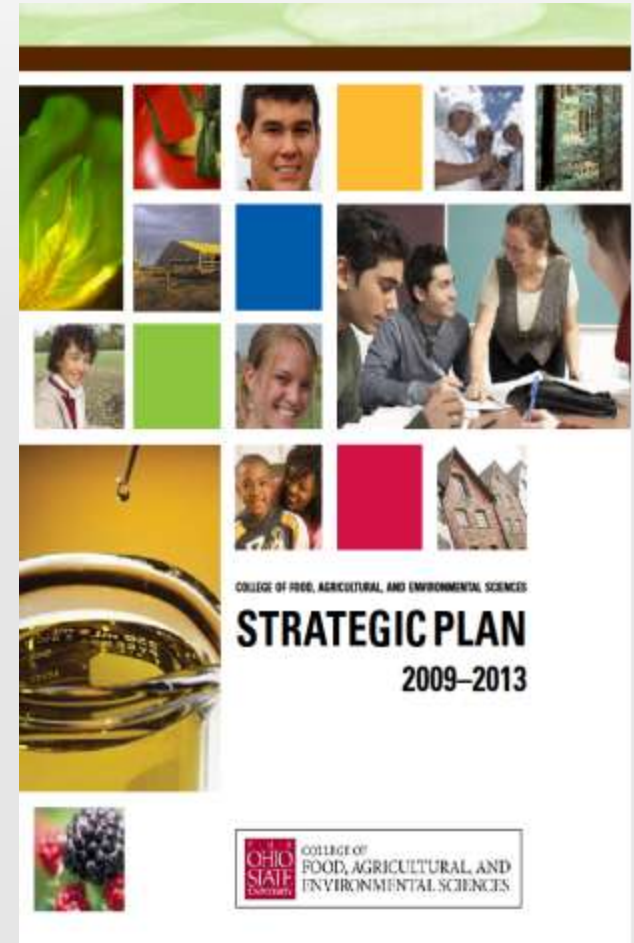
- $217 K/faculty member

Grant Development Support Unit

The Grant Development Support Unit (GDSU) provides assistance to CFAES faculty and staff by providing grant development services. These services will increase the level of funded proposals to the college and allow investigators to maintain a focus on concepts, science, and the generation of new knowledge.

Our Mission is Your Success!

GDSU Goals

- Provide assistance to faculty with grant preparation, proposal submittals and facilitating team building

- Increase Investigators portfolio's

- Increase the competiveness of FAES proposals

- Increase the number and/or size of extramural proposals

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

STRATEGIC PLAN

2009–2013

OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

GDSU Development

- Established in January 2009

- Pilot testing completed January – September

  – Assessment of the current processes

  – Aligning identified needs with system-wide goals and college focus areas

  – Incorporate GDSU services into OARDC/CFAES.

GDSU Success – Since January 2009

- Proposals submitted:
  2009 (24)
  2010 (30)

- 14 funded projects totaling $34.9 million
  (Direct = $29.5 M, Indirect= $5.16 M)

- Average proposal amount: $1.69 million
  (Low of $49,000, High of $24 M)

USAID - $24M to Boost Agriculture and Food Security in Tanzania

- **U.S. Agency for International Development (USAID)** to improve agricultural productivity and food security in Tanzania

- Michigan State University, Tuskegee University, the University of Florida and Virginia Tech

USDA - $2 Million Grant to Support Growing U.S. Greenhouse Tomato Industry

Plant pathologist Sally Miller is an international expert on diseases of vegetables.

- **USDA National Institute of Food and Agriculture (NIFA)** Specialty Crop Research Initiative (SCRI), to improve disease control and food safety in the greenhouse tomato industry

NSF - $2.6M for Unique Research in Africa's Threatened Sahel Region

Researcher Richard Dick in Senegal next to a specimen of *Piliostigma reticulatum*, one of the shrubs he will study thanks to the NSF grant.

- Interactions between shrubs and crops as a basis for sustainable agricultural practices in the Sahel

- Institut Sénégalais de Recherches Agricoles, France's Research Institute for Development (IRD); IRD's Laboratory of Tropical Microbial Ecology, Senegal; University of California-Merced; the University of Thies, Senegal; and Central State University

- $1.1 M - **U.S. Agency for International Development (USAID) and Higher Education for Development (HED)** for research and outreach

GDSU Services

- Concept Development

- Proposal Preparation

- Proposal Submission

- Outreach/Training

Concept Development

- Review funding opportunities, grant guidelines and requirements
- Identify teams to apply for interdisciplinary multi-institutional grants
- Match investigators with funding sources
- Facilitate idea building sessions
- SEEDS Grants

Proposal Preparation

- Team Coordination & Organization
- Document Collection & Formatting
- Budget Development
- Cost Share
- Subawards
- Templates & Plans
- Editing & Formatting
- On-line Collaboration Tools

Proposal Submission

- Obtain OSP approval on budget

- Complete OSU forms for PI

- Prepare e-grants package (CAYUSE, Fastlane, Grants.gov, etc)

- Obtain final PI approval

- Notify OSP when ready for submission

- Provide application follow services

Outreach/Training

- Faculty Outreach

- Department / Targeted Training

- Grant Writing Workshops

- Lending Library

- Weekly Funding e-mail Alerts

- GDSU Website

- OARDC Grants Facebook

Principal investigator/staff	Sponsored programs staff
Prepare technical proposal • **scope of work** • **biosketches** • **other support** • **resources and environment** • **other proposal components required by sponsor**	
Identify subcontractors	**Contact sponsored program office at subcontractor's institution to request administrative materials**
Identify other administrative requirements e.g., subcontracting plan	**Provide information and assistance in completing administrative information**
Prepare proposal budget or submit draft to sponsored program officer. Includes collecting subaward documentation.	**Prepare proposal budget from draft provided**
Identify and address any physical space requirements and discuss with Department Chair how these needs will be met	
Identify sources of any required cost sharing	**Provide information and guidance on sponsor and university cost sharing requirements**
Prepare Authorization to Seek Off Campus Funding form (ePA-005) and obtain all required signatures	
Assemble proposal. Including electronic data entry (CAYUSE, Fastlane, Grants.gov, etc.)	
Provide a copy of the completed proposal and the signed PA-005 to sponsored program officer. Provide a complete, copy-ready proposal to sponsored program officer two days before mailing date OR copy and mail proposal and provide a copy to sponsored program officer within one week of mailing.	• **Review proposal for conformance to sponsor and university requirements** • **Determine that protocol information provided is current** • **Determine that principal investigator is in compliance with conflict of interest requirements** • **Review budget – both sponsor and cost share** • **Commit Office of Research cost sharing funds if appropriate** • **Provide institutional signature** • **Submit electronically or mail proposal**

MOU with Investigator

- Establishes timelines and outlines services

- Defines PI and GDSU responsibilities

- Establishes cost recovery method

Cost Recovery

- Internal cost recovery to sustain GDSU activities

- Value added benefit—focus on concepts and science

- $60 per service hour ($90 for expedited)

- Staffing (salary/benefits), time, materials, supplies, technology, training, infrastructure, technical support, equipment, communications, travel

Proposal Packages

Essential Package

- Comprehensive services

Minimum Service Package

- Minimal services

Expedited Services Package

- Accelerated services, five days or less

Evaluation/Follow-Up Services

➢ **Evaluation**

  – Exit Interviews

  – Ongoing assessment and evaluation of services

➢ **Follow-Up**

  – Services continue until award/non-award notice has been received

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The Ohio State University Office of Research

Research Expenditures

- 2010 - $756 M in research expenditures

Expenditure Rankings

- 13th among all universities (public and private)
- 9th among all public institutions
- 2nd in industry-sponsored research

CFAES pre-award office (2010)

- 390 proposals submitted
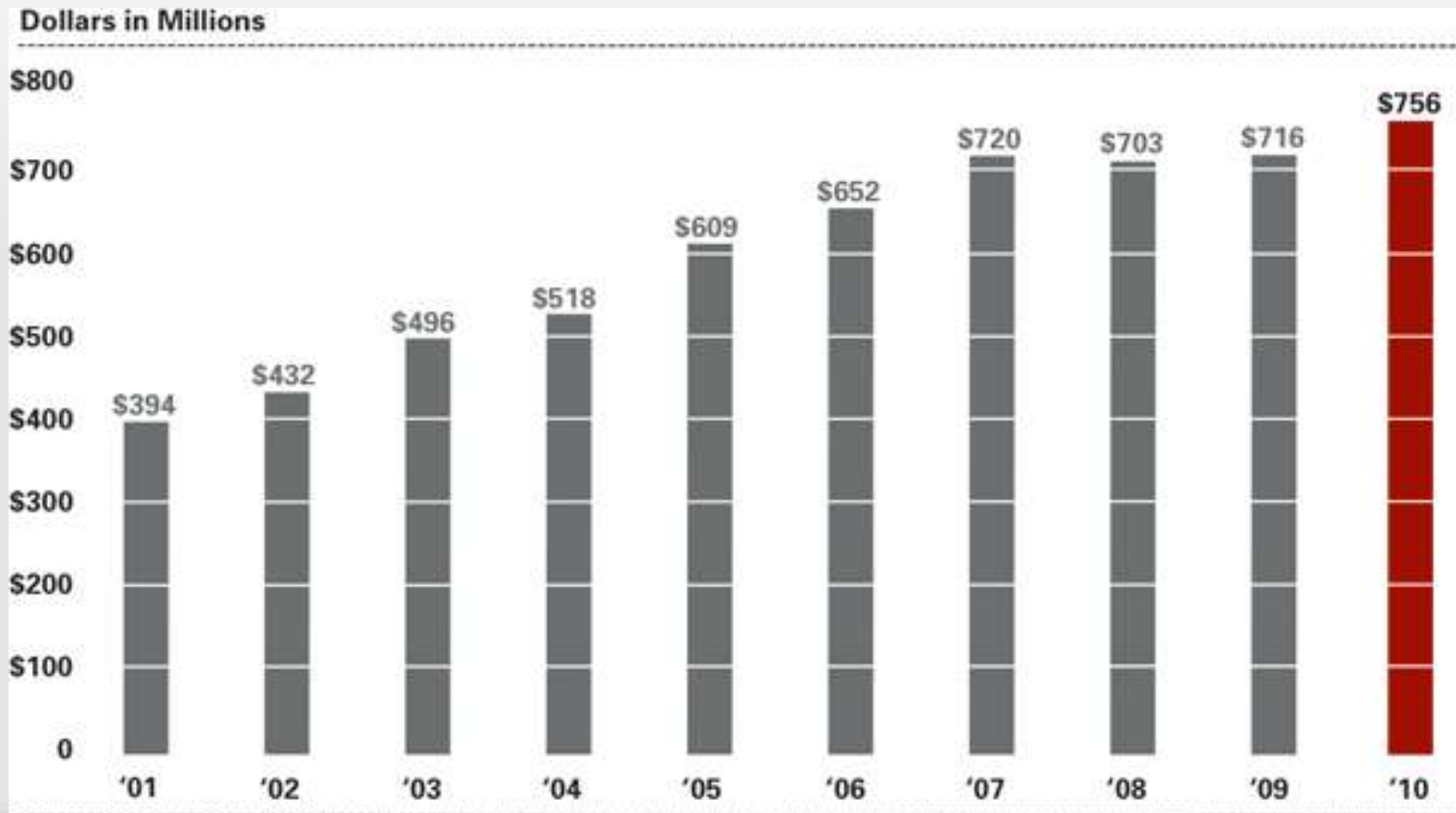- 158 awards processed = $23,893,736

CFAES pre-award office (2011)

- 107 proposals submitted to date
- 28 awards processed = $28,848,938 to date

- **http://research.osu.edu**

Research Funding Profile
10 years

Dollars in Millions

Year	Funding
'01	$394
'02	$432
'03	$496
'04	$518
'05	$609
'06	$652
'07	$720
'08	$703
'09	$716
'10	$756

* Based on total R&D expenditures reported to NSF.

From the Investigator's viewpoint..

http://oardc.osu.edu/ALE

http://www.gardinerlab.blogspot.com/

- Joined OSU in the fall of 2009

- $661,462 in active grants

- 5 graduate students

- 7 undergraduate students

USDA - Common Buckthorn as Keystone Invader in Agricultural Landscapes

Mary Gardiner, Assistant Professor, Dept. of Entomology

- $494,000 **Agricultural and Food Research Initiative (AFRI)**
- Ohio State University , Michigan State University, Iowa State University
- First experience as PD, first USDA submission
- GDSU coordinated many aspects of proposal
  - **Budget**
  - **Forms**
  - **Organization of Co-PI's Docs and Subcontracts**
  - **Proofreading and Formatting**
  - **Uploading to Grants.gov**

Questions?

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