

THE 3RD ANNUAL

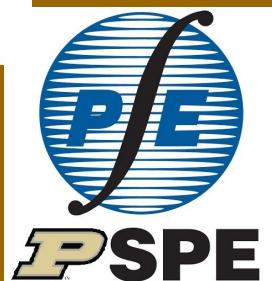
RESEARCH ROUNDTABLE



January 28, 2014

Purdue Memorial Union South Ballroom

9:00 A.M. - 4:00 P.M.



Research Roundtable

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Agriculture

Agribusiness

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Agricultural Communication

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Agricultural Economics

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Agricultural Education

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Agricultural Systems Management

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Agricultural Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Discovery Learning Research Center										
Helen McNally										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Animal Science

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Applied Meteorology and Climatology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Biochemistry

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Biological and Food Process Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Biological Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Discovery Learning Research Center										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Crop Science

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center									■	■
Discovery Learning Research Center			■	■	■	■	■	■		
International Genetically Engineered Machines (iGEM)		■								
Office of Professional Practice Program		■	■	■	■	■	■	■		
Summer Undergraduate Research Fellowship (SURF) Program		■	■	■	■	■	■	■		
US Borlaug Fellows in Global Food Security Program		■	■	■	■	■	■	■		

Entomology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center									■	■
Discovery Learning Research Center			■	■	■	■	■	■		
International Genetically Engineered Machines (iGEM)		■		■						
Office of Professional Practice Program		■	■	■	■	■	■	■		
Summer Undergraduate Research Fellowship (SURF) Program		■	■	■	■	■	■	■		
US Borlaug Fellows in Global Food Security Program		■	■	■	■	■	■	■		

Environmental and Natural Resource Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Agricultural and Biological Engineering		■	■	■	■	■	■	■	■	■
Bindley Bioscience Center									■	■
Discovery Learning Research Center			■	■	■	■	■	■		
Office of Professional Practice Program		■								
Summer Undergraduate Research Fellowship (SURF) Program		■	■	■	■	■	■	■		
US Borlaug Fellows in Global Food Security Program		■	■	■	■	■	■	■		



Agriculture

Farm Management

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Fisheries and Aquatic Sciences

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Food Science

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Forestry

Research Group	Table Location										Graduate - M.S.	Graduate - Ph.D
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D		
Bindley Bioscience Center												
Discovery Learning Research Center												
Office of Professional Practice Program												
Summer Undergraduate Research Fellowship (SURF) Program												
US Borlaug Fellows in Global Food Security Program												

Horticulture Science

Research Group	Table Location										Graduate - M.S.	Graduate - Ph.D
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D		
Bindley Bioscience Center												
Discovery Learning Research Center												
International Genetically Engineered Machines (iGEM)												
Office of Professional Practice Program												
Summer Undergraduate Research Fellowship (SURF) Program												
US Borlaug Fellows in Global Food Security Program												

Landscape Architecture

Research Group	Table Location										Graduate - M.S.	Graduate - Ph.D
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D		
Bindley Bioscience Center												
Discovery Learning Research Center												
Office of Professional Practice Program												
Summer Undergraduate Research Fellowship (SURF) Program												
US Borlaug Fellows in Global Food Security Program												



Agriculture

Natural Resources and Environmental Science

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Natural Resources Planning and Decision Making

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Plant Genetics, Breeding, and Biotechnology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Plant Science

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Pre-Environmental Studies

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Sales and Marketing

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Soil and Hydrologic Sciences

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Sustainable Agronomic Systems

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Turf Science and Management

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Agriculture

Wildlife

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Wood Products Manufacturing Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Zoology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Engineering

Aeronautical and Astronautical Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory										
Bindley Bioscience Center										
Birck Nanotechnology Center										
Cooling Technologies Research Center *										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										
Zucrow Laboratories *										

Agricultural Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Helen McNally										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

* Indicates residency requirements



Engineering

Biological and Food Process Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

Biological Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										



Engineering

Biomedical Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory										
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Investigating Human Posture on a Balance Board										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
Tsinghua University 2-Way Undergraduate Research Experience										
US Borlaug Fellows in Global Food Security Program										

Chemical Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory										
AIChE Undergraduate Research Committee										
Bindley Bioscience Center										
Birck Nanotechnology Center										
Carl Laird's Research Group										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										



Engineering

Chemical Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
Tsinghua University 2-Way Undergraduate Research Experience										
US Borlaug Fellows in Global Food Security Program										

Civil Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory										
Bindley Bioscience Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Joint Transportation Research Program										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
Tsinghua University 2-Way Undergraduate Research Experience										
US Borlaug Fellows in Global Food Security Program										



Engineering

Computer Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory										
Birck Nanotechnology Center										
Carl Laird's Research Group										
David Whittinghill										
Digital Games Research Labs										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Office of Professional Practice Program										
International Genetically Engineered Machines (iGEM)										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

Construction Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Joint Transportation Research Program										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Engineering

Electrical Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Cooling Technologies Research Center *										
Discovery Learning Research Center										
Helen McNally										
Global Engineering Education Collaboratory										
International Genetically Engineered Machines (iGEM)										
Investigating Human Posture on a Balance Board										
Joint Transportation Research Program										
Network for Computational Nanotechnology										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
Tsinghua University 2-Way Undergraduate Research Experience										
US Borlaug Fellows in Global Food Security Program										

Environmental and Natural Resources Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										

* Indicates residency requirements



Engineering

Environmental and Natural Resources Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - Ph.D
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

Engineering Education

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - Ph.D
Bindley Bioscience Center										
Digital Games Research Labs										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Joint Transportation Research Program										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

Environmental and Ecological Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - Ph.D
Agricultural and Biological Engineering										
Bindley Bioscience Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Office of Professional Practice Program										



Engineering

Environmental and Ecological Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

Industrial Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Carl Laird's Research Group										
Digital Games Research Labs										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

Interdisciplinary Engineering Studies

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
Helen McNally										



Engineering

Interdisciplinary Engineering Studies

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - Ph.D
International Genetically Engineered Machines (iGEM)										
Network for Computational Nanotechnology										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

Materials Engineering

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - Ph.D
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory										
Bindley Bioscience Center										
Birck Nanotechnology Center										
Cooling Technologies Research Center *										
Discovery Learning Research Center										
Global Engineering Education Collaboratory										
International Genetically Engineered Machines (iGEM)										
Network for Computational Nanotechnology										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
Synthesis and Processing of Advanced Materials										
US Borlaug Fellows in Global Food Security Program										

* Indicates residency requirements



Engineering

Mechanical Engineering

Research Group	Table Location	2014							2015		
		Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - PhD
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory											
Bindley Bioscience Center											
Birck Nanotechnology Center											
Cooling Technologies Research Center *											
Discovery Learning Research Center											
Fluid Power Research Group											
Global Engineering Education Collaboratory											
International Genetically Engineered Machines (iGEM)											
Investigating Human Posture on a Balancing Board											
Network for Computational Nanotechnology											
Office of Professional Practice Program											
Science and Engineering Projects in Hannover/Clausthal											
Summer Undergraduate Research Fellowship (SURF) Program											
Synthesis and Processing of Advanced Materials											
Tsinghua University 2-Way Undergraduate Research Experience											
US Borlaug Fellows in Global Food Security Program											
Zucrow Laboratories *											

* Indicates residency requirements



Engineering

Multidisciplinary Engineering

Research Group	Table Location	2014							2015		
		Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory											
Bindley Bioscience Center											
Birck Nanotechnology Center											
Discovery Learning Research Center											
Global Engineering Education Collaboratory											
Helen McNally											
International Genetically Engineered Machines (iGEM)											
Network for Computational Nanotechnology											
Office of Professional Practice Program											
Science and Engineering Projects in Hannover/Clausthal											
Summer Undergraduate Research Fellowship (SURF) Program											
Synthesis and Processing of Advanced Materials											
US Borlaug Fellows in Global Food Security Program											



Engineering

Nuclear Engineering

Research Group	Table Location	Graduate - M.S. Graduate - Ph.D							
		Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory									
Bindley Bioscience Center									
Cooling Technologies Research Center *									
Discovery Learning Research Center									
Global Engineering Education Collaboratory									
Office of Professional Practice Program									
Science and Engineering Projects in Hannover/Clausthal									
Summer Undergraduate Research Fellowship (SURF) Program									
Synthesis and Processing of Advanced Materials									
US Borlaug Fellows in Global Food Security Program									

Science

Actuarial Science

Research Group	Table Location	Graduate - M.S. Graduate - Ph.D							
		Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior
Bindley Bioscience Center									
Discovery Learning Research Center									
Office of Professional Practice Program									
Regenstrief Center for Healthcare Engineering									
Science and Engineering Projects in Hannover/Clausthal									
Summer Undergraduate Research Fellowship (SURF) Program									
US Borlaug Fellows in Global Food Security Program									

* Indicates residency requirements



Science

Atmospheric Science/Meteorology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - PhD
Bindley Bioscience Center									■	■
Discovery Learning Research Center		■	■	■	■	■	■			
Office of Professional Practice Program		■	■	■	■	■	■	■	■	■
Science and Engineering Projects in Hannover/Clausthal		■	■							
Summer Undergraduate Research Fellowship (SURF) Program		■	■		■	■	■			
US Borlaug Fellows in Global Food Security Program		■	■	■					■	■

Biology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - PhD
Bindley Bioscience Center									■	■
Birck Nanotechnology Center					■					■
Discovery Learning Research Center			■	■	■	■	■	■		
International Genetically Engineered Machines (iGEM)		■	■			■	■	■		
Office of Professional Practice Program		■	■	■	■	■	■	■	■	■
Regenstrief Center for Healthcare Engineering		■	■	■	■	■	■	■	■	■
Science and Engineering Projects in Hannover/Clausthal		■	■							
Summer Undergraduate Research Fellowship (SURF) Program		■	■		■	■	■			
US Borlaug Fellows in Global Food Security Program		■	■	■					■	■



Science

Biochemistry

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Biology Education

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Cell, Molecular, and Developmental Biology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Ecology, Evolution, and Environmental Sciences

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Genetic Biology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Health and Disease

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - MS	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Microbiology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Neurobiology and Physiology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Chemistry

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Chemistry Education

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Computer Science

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Carl Laird's Research Group										
David Whittinghill										
Digital Games Research Labs										
Discovery Learning Research Center										
Fluid Power Research Group										
International Genetically Engineered Machines (iGEM)										
Network for Computational Nanotechnology										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Earth/Space Science Teaching

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Environmental Geosciences

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Geology and Geosciences

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Mathematics

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Mathematics Education

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Carl Laird's Research Group										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Science

Meteorology

Research Group	Table Location							
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior
Bindley Bioscience Center								
Discovery Learning Research Center								
Office of Professional Practice Program								
Science and Engineering Projects in Hannover/Clausthal								
Summer Undergraduate Research Fellowship (SURF) Program								
US Borlaug Fellows in Global Food Security Program								

Physics

Research Group	Table Location							
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior
Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory								
Bindley Bioscience Center								
Birck Nanotechnology Center								
Discovery Learning Research Center								
Helen McNally								
Fluid Power Research Group								
International Genetically Engineered Machines (iGEM)								
Office of Professional Practice Program								
Science and Engineering Projects in Hannover/Clausthal								
Summer Undergraduate Research Fellowship (SURF) Program								
US Borlaug Fellows in Global Food Security Program								

Science



Physics Education

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Planetary Sciences

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Statistics

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Carl Laird's Research Group										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Summer Undergraduate Research Fellowship (SURF) Program										



Science

Statistics

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
US Borlaug Fellows in Global Food Security Program										

Interdisciplinary Science

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Digital Games Research Labs										
Discovery Learning Research Center										
Helen McNally										
International Genetically Engineered Machines (iGEM)										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Science and Engineering Projects in Hannover/Clausthal										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Technology

Aeronautical Engineering Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Technology

Air Traffic Control

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Aviation Management

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Building Construction Management Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Technology

Computer and Information Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
David Whittinghill										
Digital Games Research Labs										
Discovery Learning Research Center										
Ioannis Papapanagiotou										
International Genetically Engineered Machines (iGEM)										
Joint Transportation Research Program										
Network for Computational Nanotechnology										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Computer Graphics Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
David Whittinghill										
Digital Games Research Labs										
Discovery Learning Research Center										
International Genetically Engineered Machines (iGEM)										
Joint Transportation Research Program										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Summer Undergraduate Research Fellowship (SURF) Program										
Visualization and Interaction										
US Borlaug Fellows in Global Food Security Program										



Technology

Electrical Engineering Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
Helen McNally										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Engineering/Technology Teacher Education

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Engineering Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Helen McNally										
Office of Professional Practice Program										



Technology

Engineering Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Regenstrief Center for Healthcare Engineering										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Flight (Professional Flight Technology)

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Human Computer Interaction

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
Visualization and Interaction										
US Borlaug Fellows in Global Food Security Program										



Technology

Human Resources

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Industrial Distribution

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Industrial Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D.
Bindley Bioscience Center										
Chad Laux										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Technology

Information Visualization

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										
Visualization and Interaction										

Gaming and Simulation

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Digital Games Research Labs										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Manufacturing Engineering Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										



Technology

Mechanical Engineering Technology

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Birck Nanotechnology Center										
Discovery Learning Research Center										
Fluid Power Research Group										
Helen McNally										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Organizational Leadership and Supervision

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Regenstrief Center for Healthcare Engineering										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										

Visual Analytics

Research Group	Table Location									
	Spring 2014	Summer 2014	Fall 2014	Spring 2015	Freshman	Sophomore	Junior	Senior	Graduate - M.S.	Graduate - Ph.D
Bindley Bioscience Center										
Discovery Learning Research Center										
Office of Professional Practice Program										
Summer Undergraduate Research Fellowship (SURF) Program										
US Borlaug Fellows in Global Food Security Program										
Visualization and Interaction										

Agricultural and Biological Engineering

Web Address: <https://engineering.purdue.edu/ABE/index.html>

Research Description

Agricultural and Biological Engineering hosts a number of research groups that may have opportunities for undergraduates. ABE staff will be on hand to explain opportunities and collect resumes/contact information from students.

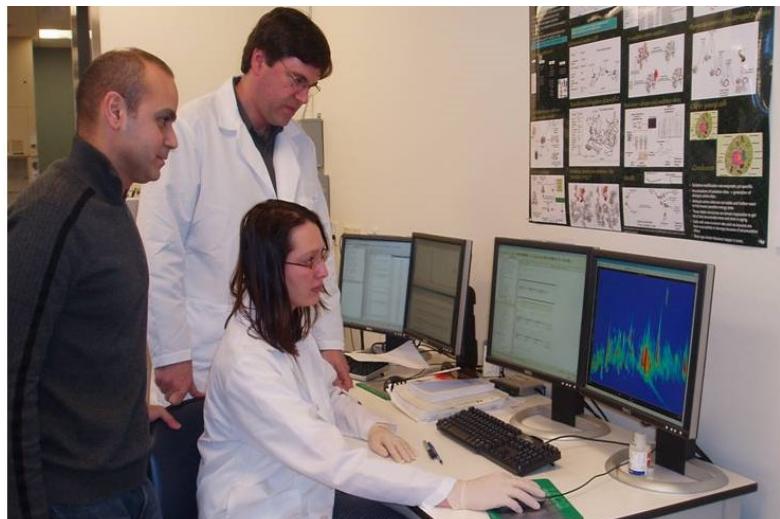


Bindley Bioscience Center

Web Address: <http://www.purdue.edu/discoverypark/bioscience/>

Research Description

Interdisciplinary life sciences and engineering researchers collaborate to explore new technologies and scientific knowledge that impact the



broad boundaries of plant, animal, and human diseases. The Bindley Bioscience Center is also home to several core technology facilities including, Mass Spectrometry (for Proteomic and Metabolomic applications), Biomolecular Screening and Drug Discovery, Biophysical Analysis, Structural Biology, Flow Cytometry, Imaging, Medicinal Chemistry, Translational Pharmacology and Informatics. Our facilities are managed by PhD-level scientists who can train investigators in the use of the equipment and analytical techniques to maximize research output and participate in collaborative projects with faculty.

Chad Laux

Web Address: www.etpathways.org

Research Description

Chad Laux is working to design an Engineering Technology for advanced technical educated workforce.



David Whittinghill

Research Description

Dr. Whittinghill's research focuses on simulation, gaming and computer programming and how these technologies can more effectively address outstanding issues in health, education, and society in general. Dr. Whittinghill leads projects in pediatric physical therapy, sustainable energy simulation, phobia treatment, cancer care simulation, and games as a tool for improving educational outcomes. Dr. Whittinghill is the director of GamesTherapy.org.

Web Address: www.gametherapy.org



Digital Games Research Labs

Web Address:

www.gametherapy.org

Research Description

Our labs conduct research in gaming and simulation. We are particularly interested in human factors relating to games and simulation.

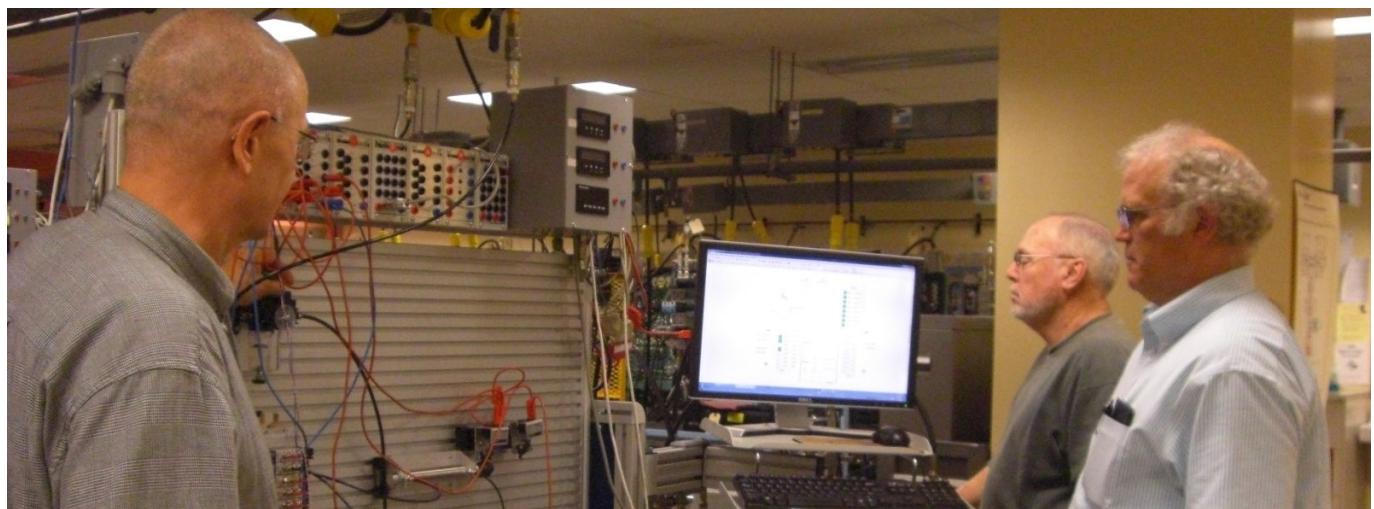


Fluid Power Research Group

Address: Knoy Hall of Technology (KNOY) 125

Research Description

The Fluid Power Research Group is involved in the study of flow-induced force in a hydraulic valve. The textbook theory on the force is based on wrong assumptions as discovered by Dr. Jan Lugowski who proposed a new mechanism for the force. The group is verifying the new mechanism.



Helen McNally

Web Address: <http://www.purdue.edu/discoverypark/nanotechnology/research/mcnally.php>

Research Description

Our research team interests are in the development and optimization of scanning probe microscopy (SPM) techniques in fluids for biological and medical applications. Specifically, we are investigating Atomic Force Microscopy (AFM) and Magnetic Force Microscopy (MFM) techniques to enable the areas of study in spinal cord research, cell-to-cell communications and nanomedical applications. We are also participating in the integration of SPM with electrophysiology techniques and varying environmental conditions to enhance research in cell biology.

Internationally Genetically Engineered Machines (iGEM)

Web Address: purduebiomakers.com

Research Description

The International Genetically Engineered Machine competition (iGEM) is the premiere undergraduate Synthetic Biology competition. Student teams are given a kit of biological parts at the beginning of the summer from the Registry of Standard Biological Parts. Working at their own schools over the summer, they use these parts and new parts of their own design to build novel biological systems and operate them in living cells.



Investigating Human Posture on Balance Board

Web Address: <https://engineering.purdue.edu/RamanLab/>

Research Description

We are studying human posture and balance in several populations (young, elderly, Parkinson's, MS) to try to quantify a person's balance, to diagnose any potential balance issues, and to help improve balance through training. We have previously created models and simulations of human posture, and now we are in the initial stages of preparing for human studies. We have created a balance board that is tunable in real-time, and we will observe various populations standing on this board.



Ioannis
Papapanagiotou

Web Address: <http://web.ics.purdue.edu/~ipapapan/index.htm>

Research Description

Papapanagiotou is working on Cloud Computing Data Redundancy Elimination and WAN Optimization Mobile Network Design and Dimensioning Network Data Analytics Performance Analysis and Simulations.

Office of Professional Practice Program

Web Address: <https://engineering.purdue.edu/ProPractice>

Research Description

Professional Practice Programs provide students with a variety of options to gain work experience as part of their degree programs.

Regenstrief Center for Healthcare Engineering

Web Address: www.purdue.edu/rche

Research Description

At the Regenstrief Center for Healthcare Engineering (RCHE), we work with Purdue researchers and external healthcare partners to develop research and research-based solutions to healthcare delivery challenges. The core research focus areas are population health and care coordination. RCHE draws students, researchers, and faculty from the sciences, social sciences, engineering,



Science and Engineering Projects in Hannover/Clausthal

Web Address: <http://www.studyabroad.purdue.edu/programs/flyer.cfmflyer=755&SICountryCode=433>

Research Description

This program allows Purdue engineering and science majors to carry out a research internship under the direction of a faculty member at either Leibniz University Hannover or Clausthal University of Technology. Purdue students earn 6-9 credit hours by attending this program.



Summer Undergraduate Research Fellowship (SURF)

Web Address: www.purdue.edu/surf

Research Description

The SURF program is helping undergraduates discover a world of opportunity available to them through research. By closely working with other creative and innovative people, students explore, discover, and transform ideas into reality to advance society and improve people's lives.



During the 11-week summer program, students engage in paid hands-on research, attend professional development workshops, present their research discoveries, enjoy social activities with other participants, and celebrate their accomplishments at the end of the summer.

Synthesis and Processing of Advanced Materials

Address: ARMS 2300

Research Description

Research spans the study of nanoscale to macro scale structure-property relationships. Particular focus is on polymer nano composites and thin films for advanced engineering applications including membrane separation, barrier coatings, and fire retardant materials.



Tsinghua University 2-Way Undergraduate Research Experience

Web Address: [https://engineering.purdue.edu/
ProPractice/ProgramsGlobal
Opportunities/TsinghuaUniversity](https://engineering.purdue.edu/ProPractice/ProgramsGlobalOpportunities/TsinghuaUniversity)

Research Description

Students spend 5 weeks in China and 5 weeks back at Purdue in faculty member's research labs. Students will be working with chosen Chinese student partner in multi-national teams. Purdue students are recruited on campus, and Tsinghua students are recruited at China.



Visualization and Interaction

Address: KNOY 331

Research Description

Web Address: Dr.Chen's research covers interdisciplinary domains of Information Visualization, Visual Analytics, Digital Media, and Human Computer Interaction. He seeks to design, model, and construct new forms of interaction in visualization and system design, by which the system can minimize its influence on design and analysis, and become a true free extension of human's brain and hand.

AIChE Undergraduate Research Committee

Contact: Haefa Mansour
Email: hmansour@purdue.edu

Research Description

This is a committee within Purdue's student chapter of the American Institute of Chemical Engineers. The committee is dedicated to promoting undergraduate research in the chemical engineering department here at Purdue.

Birck Nanotechnology Center

Web Address: nano.purdue.edu

Research Description

Semiconductor device and material micro and nano fabrication cleanroom.
Extensive analytical capabilities for materials and devices.
Broad application to all science and engineering departments & disciplines

Network for Computational Nanotechnology

Research Description

Founded in 2002, the Network for Computational Nanotechnology (NCN) has pursued its mission to advance nanoscience and nanotechnology through nanoHUB.org. nanoHUB has become a successful, scientific end-to-end cloud computing environment, hosting over 3,000 resources for research, collaboration, teaching, learning, and publishing.

Web Address: www.nanoHUB.org



Global Engineering Education

Collaboratory (GEEC)

Web Address: <http://web.ics.purdue.edu/~bjesiek/html>



Research Description

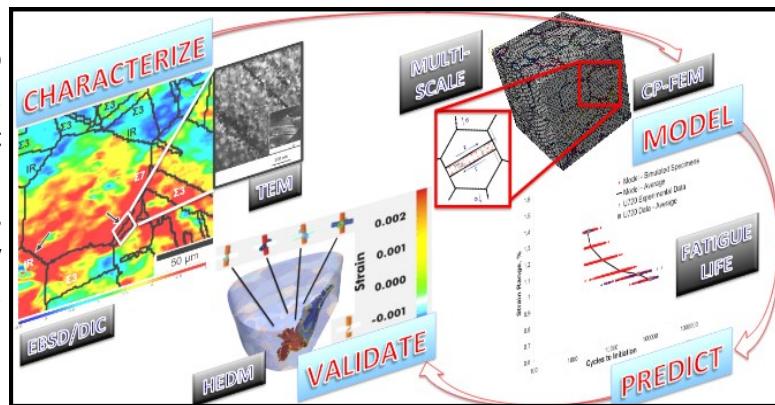
GEEC is a flexible network of faculty, students, and staff who share a passion for global engineering education and practice, including its potential for having transformative impacts on student teaching and learning, cross- and multi-national academic collaborations, and international development projects. Current research projects focus on topics such as defining and assessing global engineering competency, boundary spanning roles and competencies in engineering practice, and global project-based service learning.

Advanced Computational Materials and Experimental Evaluation (ACME) Laboratory

Web Address: <https://engineering.purdue.edu/~msangid/>

Research Description

The research we do is on computational materials, specifically (micro)structure to performance modeling. As part of this, we do a large amount of atomistic simulations and build this information into multi-scale models for plasticity, fatigue, and fracture. The majority of my group's work has been on alloys, although we are expanding into high temperature composites. Both material systems have direct applications in



Aerospace Engineering, as we work with a lot of Aerospace industries. There is also an experimental component to my research as we do advanced materials testing and characterization including systems that have direct applications in stress analysis using high-energy x-ray diffraction at the synchrotron source at Argonne National Lab. This research lies at the confluence of materials science and solid mechanics.

Joint Transportation Research Program

Web Address: www.purdue.edu/jtrp

Research Description

The Joint Transportation Research Program facilitates collaboration between the Indiana Department of Transportation, higher education institutions and industry to implement innovations that result in continuous improvement in the planning, design, construction, operation, management and economic efficiency of the Indiana transportation infrastructure.

Discovery Learning Research Center

Web Address: www.purdue.edu/dp/learningcenter

Research Description

The Discovery Learning Research Center (DLRC) partners with faculty to develop and enhance interdisciplinary STEM research and proposals. The DLRC Center offers several undergraduate programs with over 100 student research projects per year. Students selected for these programs engage in cutting edge interdisciplinary projects, gain valuable skills and receive a scholarship for participation.



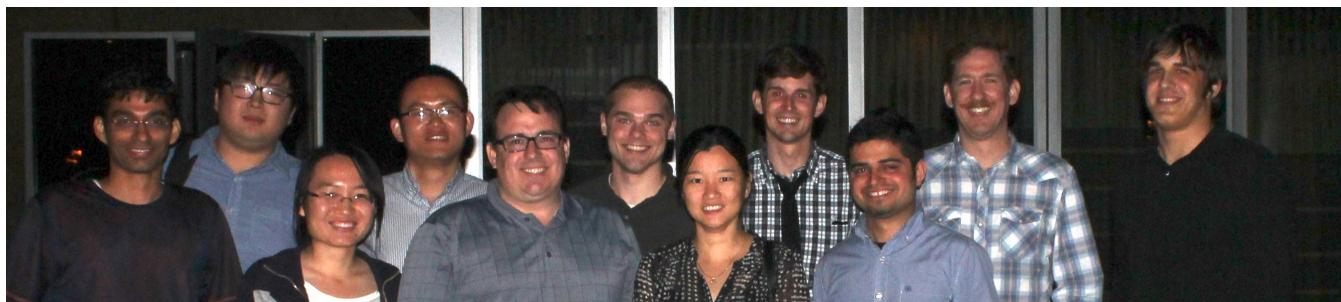
Carl Laird's Research Group

Web Address:

www.allthingsoptimal.com

Research Description

Our research addresses optimization solutions to important problems in science and engineering. We work on modeling languages, problem formulations, and advanced numerical algorithms.



US Borlaug Fellows in Global Food Security Program

Research Description

The U.S. Borlaug Fellows in Global Food Security program is funded by the United States Agency for International Development (USAID) to expand the pool of U.S. food security professionals who have the scientific base needed to effectively study and manage the global landscapes in support of sustainable food systems. The program is comprised of two key elements; a Graduate Research Fellowship Grant Program and a Summer Institute on Global Food Security.



Web Address: <http://www.purdue.edu/borlaugfellows>

Zucrow Laboratories

Web Address: <https://engineering.purdue.edu/Zucrow/index.html>

Research Description

Zucrow Laboratories is an off-campus research facility specializing in research areas related to jet engine and rocket propulsion for the Schools of Mechanical Engineering and Aeronautical and Astronautical Engineering. The seven buildings consist of 22 individual laboratories, a machine shop, and a high pressure air system. These resources make a vast array of research possible, including combustion instability, sprays and drop formation, solid propellants, turbomachinery, hydrogen storage, and more.

Cooling Technologies Research Center

Web Address: <https://engineering.purdue.edu/CTRC/>



Research Description

The Cooling Technologies Research Center addresses research and development needs of members from diverse industries and product lines in the area of high-performance heat removal from compact spaces through member-directed investigations with a product-oriented focus. There is a need to remove heat from compact spaces (on the order of inches on a side) in a variety of cooling applications. Some examples include power electronics, transformers, base stations in cellular communications, automotive electronics, portable and wearable electronics, electric vehicle batteries, power distribution systems in computers, military electronics and avionics, and food processing.

Attending Researchers

Advanced Computational Materials and Experimental Evaluation Laboratory	International Genetically Engineered Machines
Agricultural and Biological Engineering	Investigating Human Posture on a Balance Board
AIChE Undergraduate Research Committee	Ioannis Papapanagiotou
Bindley Bioscience Center	Joint Transportation Research Program
Birck Nanotechnology Center	Network for Computational Nanotechnology
Carl Laird's Research Group	Office of Professional Practice Program
Chad Laux	Regenstrief Center for Healthcare Engineering
Cooling Technologies Research Center	Science and Engineering Projects in Hannover/Clausthal
David Whittinghill	Summer Undergraduate Research Fellowship
Digital Games Research Labs	Synthesis and Processing of Advanced Materials
Discovery Learning Research Center	Tsinghua University 2-Way Undergraduate Research
Fluid Power Research Group	US Borlaug Fellows Global Food Security Program
Global Engineering Education Collaboratory	Visualization and Interaction
Helen McNally	Zucrow Laboratories

RESEARCH ROUNDTABLE

Hosted by PSPE and Tau Beta Pi



January 28th from 9:00 A.M - 4:00 P.M

Purdue Memorial Union South Ballroom

Purdue Research Roundtable