GARY A. THOMPSON

Associate Dean for Research and Graduate Education
Director of the Pennsylvania Agricultural Experiment Station
College of Agricultural Sciences
The Pennsylvania State University

NARRATIVE SUMMARY

Dr. Thompson joined the Penn State College of Agricultural Sciences in 2011 as the Associate Dean for Research and Graduate Education and the Director of the Pennsylvania Agricultural Experiment Station. In this position, he works with students, faculty, staff, university administrators, alumni, and Pennsylvania stakeholders and is actively involved in organizations that provide regional, national, and international leadership for research in our land-grant institutions. As a Professor of Plant Science at Penn State, he maintains an active research program that focuses on the molecular biology of plant vascular systems and the genomics of plant responses to phloem-feeding insects. The NSF, USDA, NASA, and NATO have provided support for his research, and he has served as an advisor for numerous federal and international funding organizations. Dr. Thompson is a fellow in the APLU-sponsored Food Systems Leadership Institute.

Prior to his arrival at Penn State, Dr. Thompson served as the Head of the Department of Biochemistry and Molecular Biology at Oklahoma State University (2007-2011) and as the Program Director for Plant-Biotic Interactions in the Directorate for Biological Sciences at the National Science Foundation (2004-2006). Dr. Thompson held consecutive summer appointments as a Visiting Research Professor in the Department of Plant Biology at University of Copenhagen in Denmark (2003-2004). He served as an Associate Professor (2001-2002) and Professor (2002-2007) with appointments on multiple campuses and the Division of Agriculture at the University of Arkansas. From 1991-1997 he held the position of Assistant Professor in the College of Agriculture and Life Sciences at the University of Arizona, with appointments in Plant Sciences and in Microbiology; he was promoted to Associate Professor and awarded tenure at that institution in 1997. Dr. Thompson received his B.S. from the University of Nebraska in 1979, his M.S. from the University of Wisconsin in 1986, and his Ph.D. from Purdue University in 1989, and was a Postdoctoral Research Associate in the Department of Plant Sciences at the University of Arizona.

EDUCATION

1989-1991	Postdoctorate, College of Agriculture and Life Sciences, University of Arizona, Tucson, AZ
1989	Ph.D., College of Agriculture, Purdue University, West Lafayette, IN
1986	M.S., College of Agricultural and Life Sciences, University of Wisconsin, Madison, WI
1979	B.S., College of Agricultural Sciences & Natural Resources, University of Nebraska, Lincoln, NE

ACADEMIC APPOINTMENTS

2011-present ***Associate Dean for Research and Graduate Education, Director of the Pennsylvania Agricultural Experiment Station, and Professor; College of Agricultural Sciences, Pennsylvania State University, University Park, PA.***

Duties and accomplishments: In this position, I am responsible for leadership of research programs in agriculture, food and natural resources. Responsibilities include: program development, budget, planning, allocation of resources, supporting faculty in the pursuit of extramural funds, and advocacy for agriculture, food, health, environment, and natural resources research. I administer a research portfolio that is among the top colleges at Penn State with annual expenditures of more than $100 million and oversee 18 graduate education programs as

well as the college's participation in seven Penn State intercollege graduate degree programs. As Director of the Pennsylvania Agricultural Experiment Station, I oversee the research activities of faculty and staff in the college on the University Park Campus as well as three regional research and extension centers and coordinate college research activities with those at other land-grant universities, both regionally and nationally. Responsibilities also include oversight of federal appropriated funds and the college's Grants and Contracts Office. I coordinate research and graduate education activities with Penn State colleges and institutes, assuring effective linkage with campus research communities and Penn State Cooperative Extension.

2007-2011 Department Head and Professor; Department of Biochemistry and Molecular Biology, Oklahoma State University, Stillwater, OK.

Duties and accomplishments: In this position, I provided leadership in all aspects of planning and implementing programs within the Department of Biochemistry and Molecular Biology. I directed and managed the finances of an academic department that is engaged in undergraduate and graduate education and research within a major land-grant university. The undergraduate program was composed of ~250 students in three pre-professional programs that spanned two colleges. The graduate program offered M.S. and Ph.D. degrees to students from a wide variety of backgrounds. I was responsible for recruiting outstanding students, staff, and faculty as well as fostering their professional development, assigning responsibilities and evaluating performance. I represented Departmental interests and promoted the development of multi-disciplinary programs that supported the Department, College and University. I was the administrator overseeing the operations of two core facilities for proteomics/mass spectrometry and genomics/bioinformatics and created an interdisciplinary graduate program in bioinformatics.

2004-2006 Program Director, Division of Integrative Organismal Systems, Directorate for Biological Sciences, National Science Foundation

Duties and accomplishments: In this position, I performed the duties of an NSF program director, including planning and administration of the Plant-Biotic Interactions Panel; implementation of the proposal review and evaluation process; management and monitoring of grants and interagency agreements; and working with the program staff to ensure timely completion of assignments. I was a member of three NSF working groups and participated in various outreach activities at universities and with groups that are under-represented in science. The Plant-Biotic Interactions Panel was part of the Behavioral Systems Cluster, which was composed of three programs and had an annual budget exceeding $14 million. In addition, I worked on a committee of program directors for the Arabidopsis 2010 Project and was a member of the working group within the Plant Genome Research Program that established and conducted the 2006 Plant Genome Comparative Sequencing Program. I also managed grant proposals and awards within the Developmental Systems, Functional and Regulatory Systems, and Environmental and Structural Systems Clusters within the Division of Integrative Organismal Biology.

2001-2007 Associate (2001-2002) and Full Professor (2002-2007); Department of Applied Science, University of Arkansas at Little Rock; Research Professor, Division of Agriculture

Duties and accomplishments: My primary appointment at the University of Arkansas was split between UALR and the UA Division of Agriculture. In addition, I maintained an Adjunct Professor appointment at the University of Arkansas in Fayetteville. This position had research and administrative responsibilities. I managed a federally funded research program that included postdoctoral research associates, technicians, and graduate students. I served as the originating director for the newly developed interdisciplinary Applied Biosciences Ph.D. Program within the Department of Applied Science. The duties involved curriculum and new course development, chairing faculty search committees, recruiting graduate students, creating and coordinating seminars, and writing the graduate student handbook. I worked with the Department of Biology to create a Cell and Molecular M.S. degree option that was aligned with the Applied Biosciences Ph.D. curriculum. I participated in numerous local and statewide activities to improve the visibility of the Applied Biosciences Program, coordinating the activities of the program with the University of Arkansas for Medical Sciences, University of Arkansas Fayetteville, and Arkansas State University.

2003-2004 Visiting Research Professor, Department of Plant Biology, University of Copenhagen, Denmark

Duties and accomplishments: The visiting research professorship in the Department of Plant Biology at the University of Copenhagen (formerly The Royal Veterinary and Agricultural University - KVL) was supported by a grant from the Velux Visiting Professor Programme in Denmark. The grant and subsequent research appointment grew out of long-standing international research collaborations with Dr. Alexander Schulz, a professor in the Department. I spent consecutive summers in Copenhagen working in Dr. Schulz's laboratory on a collaborative research project. During this time, I also assisted and mentored a graduate student in the Department of Plant Biology, who had spent time working in my laboratory on her Ph.D. dissertation project and served as a Examination Censor for the Plant Physiology Program in the Department of Plant Biology.

1991-2001 Assistant (1991-1997) and Associate (1997-2001) Professor with Tenure; Department of Plant Sciences & Undergraduate Program in Microbiology, University of Arizona, Tucson, AZ

Duties and accomplishments: My appointment at the University of Arizona was split between 80% research and 20% instruction. I managed an international, federal, and regional funded research program that included postdoctoral research associates, a technician, graduate students, and numerous undergraduate students. I had international research collaborations with groups in Denmark, Germany, France, and Israel. My teaching responsibilities included courses in introductory biology, introductory plant sciences, special topics in plant-insect interactions, plant biotechnology, and plant cell and tissue culture. I was a faculty member in the interdisciplinary Undergraduate Program in Microbiology that was composed of faculty from eight departments within the university and administered through the Department of Veterinary Science and Microbiology. I was a member of the steering committee and a co-investigator on the NSF-supported Plant-Insect Interdisciplinary Program, a scientific member of the Center for Insect Science, and a faculty member of the Graduate Interdisciplinary Program in Insect Science.

ADMINISTRATIVE TRAINING

2011 – 2017 Penn State Academic Leadership Forum Series

Penn State Academic Leadership Forum Series provides an opportunity for academic leaders to explore issues that impact the university.

2008 – 2010 Food Systems Leadership Institute

The Food Systems Leadership Institute (FSLI) is a two-year program of the Association of Public and Land Grant Universities that provides leadership development to upper-level administrators in higher education, government, and industry to prepare them to meet the leadership challenges and opportunities of the future.

2007 - 2009 Oklahoma State University Executive Briefings

Oklahoma State University Executive Briefings are short sessions intended for administrators to instruct and raise their awareness on critical issues in the university.

2004 - 2005 NSF Management Training

The National Science Foundation advanced training series for program directors in managing complex projects.

HONORS AND AWARDS

2017 Experiment Station Section Award for Excellence in Leadership Northeast Region
2010 Sigma Xi Lecturer – Oklahoma State University Chapter
2002 University of Arkansas at Little Rock Faculty Excellence Award for Research and Creative Endeavors
2002 Donaghey College of Engineering & Information Technology Faculty Excellence Award for Research

NATIONAL AND INTERNATIONAL SERVICE

Administrative

2017 – present	ESCOP Diversity Catalyst Committee
2016 – present	ESCOP Chair (Chair elect 2016-2017)
2016 – present	APLU Board on Agricultural Assembly Policy Board of Directors
2016 – present	APLU Budget and Advocacy Committee (BAA PBD Representative)
2016 – present	Board of Trustees, Council for Agricultural Science and Technology (CAST)
2016 – present	Board of Directors, Peru Center of Excellence in Cacao
2015 – present	Board of Directors, Northeast Regional Center for Rural Development (Chair 2017-2018)
2014 – present	Director, Northeast Region, Sun Grant Association
2013 – present	University and Industry Consortium
2012 – present	Eastern US-Canada Agriculture Advisory Group
2011 – present	NERA State Agricultural Experiment Station Directors
2011 – present	NERA Multistate Activities Committee
2011 – 2017	National Agricultural Biotechnology Council (Chair, 2014-15)
2014 – 2016	Committee on Legislation and Policy (APLU ESCOP Representative)
2013 – 2016	ESCOP Budget and Legislative Committee (Chair, 2014-2016)
2014	Virginia Tech Experiment Station External Review Team
2013 – 2014	SERA 42 Enhancement of Leadership Capacity to Address Global Issues in the Food Systems through Coalition Development
2012	USAID Integrated Pest Management Innovation Lab (Program Advisory Board)
2012 - 2013	ESCOP Science and Technology Committee
2011 – 2012	ESCOP Communication and Marketing Committee
2008 – 2012	Executive Advisory Board, Arkansas Asset Initiative, AR Science & Technology Authority
2008 – 2012	P3 Arkansas EPSCoR Plant-based Bioproduction Center (Advisory Committee)

Professional

2014 - 2015	NABC 27 Stewardship for the Sustainability of Genetically Engineered Crops: The Way Forward in Pest Management, Coexistence, and Trade (Organizer and host)
2013 – present	Guest Associate Editor, Frontiers in Plant Science
2013	P&T External Evaluator (Oklahoma State University)
2012	P&T External Evaluator (Purdue University)
2011	Habilitation External Evaluator (University of Giessen, Germany)
2011	Panel member, USDA-NIFA Plant Health and Production and Plant Products: Insects and Nematodes
2009 – 2010	International Committee of the Second International Plant Vascular Biology 2010
2008	P&T External Evaluator (Boyce Thompson Institute, University of North Texas)
2007	P&T External Evaluator (Purdue University, Washington State University, Zayed University) USDA-ARS Research Scientist External Evaluator
2005	Panel member, USDA-ARS: Growth & Development & High-Value Non-Oilseeds Products Panel
2001	P&T External Evaluator (The Ohio State University) Biotechnology Advisory Board to Senator Tim Hutchinson
2000	P&T External Evaluator (University of Wisconsin, Oklahoma State University, The Hebrew University of Jerusalem, University of California-Riverside)
1999	Panel member, USDA Strengthening Grants Program
1998	Panel Member, USDA Strengthening Grants Program
1996 – 1997	American Society of Plant Physiologists Campus Representative
1998 – 2000	Membership Committee - American Society of Plant Physiologists (chair 1999-2000)

SERVICE ON ACADEMIC AND ADMINISTRATIVE COMMITTEES

University

Pennsylvania State University

2016 – present	President's Award for Excellence in Academic Integration Selection Committee (Chair 17/18)
2015 – present	Task Force on University Procedures and Processes

2014 – present	Penn State Research Foundation Fund for Innovation Advisory Committee
2013 – present	Rock Ethics Institute Internal Advisory Board
2013 – present	Centralized Application Tracking System (CATS IRB) Program Executive Committee
2013 – present	Human Research Protection Program Executive Committee
2011 – present	Penn State Advisory Committee on Graduate Education (Chair 2016-2017)
2011 – present	Penn State Patent Review Committee
2011 – present	Penn State University Research Council (Chair 2013-2014)
2015	Vice President for Research Search Committee
2013	College of Engineering AD14 Review of the Office of Research and Administration
2012	Penn State Working Group on Global Operations and Support
2011 – 2013	Penn State University Research Administration Innovation subcommittee
2011	Penn State Institute for Energy & Environment Organizational Structure Review Committee

Oklahoma State University

2010	VP Research Advisory Committee: Interdisciplinary Research Building Construction
2009 - 2011	Oklahoma State University Institutional Radiation Safety Committee
2007 - 2010	HHMI "Critical Thinking in the Biological Sciences" Program Director

University of Arkansas

2006	Provost's External Grant Incentive Policy Task Force (committee chair)
2003	Provost's Strategic Planning Initiative Steering Committee (subcommittee chair)
2003	Faculty Search Committee: Biology & Chemistry (2 complementary positions)
2002 - 2007	University Tenure Committee
2002 - 2007	University Radiation Safety Committee
2001 - 2003	Arkansas Biotechnology Association Board of Directors

University of Arizona

1998 - 2000	Committee on Graduate Study, University of Arizona Graduate College
1995	Small Grant Peer Review Panel: Office of the Vice President for Research
1992 - 1998	Reader for the University Upper-Division Writing-Proficiency Examination

College

Pennsylvania State University

2011 – present	Student Technology Fee Committee
2011 – present	Instruction and Curricular Affairs Committee
2001 – present	Communications and Marketing Advisory Committee

Oklahoma State University

2008	DASNR Animal Health Grants Review Panel
2008	Entomology-Plant Pathology Department Head Search and Screen Committee (Chair)

University of Arkansas

2002, 03, 07	College Promotion & Tenure Committee
2002	Agricultural Medicine Strategy Development Task Force (UAMS)
2002 - 2007	Policy & Personnel Advisory Committee
2002 - 2003	AR-BRIN Steering Committee
2002 - 2003	AR-BRIN Summer Research Committee
2001	Task Force on Promotion & Tenure (chair)
2001	Task Force on Policy for Faculty and Staff
2001 - 2004	Organized and conducted the DCISSE-CSAM Colloquium Series
2001 - 2002	Bioinformatics Core Associate Director, Arkansas NIH-BRIN

University of Arizona

1997	Faculty Search Committee: Assistant/Associate Professor-Molecular Microbiology
1997 - 2001	Plant-Insect Interactions Group Executive Committee
1997 - 1999	Undergraduate Program in Microbiology Working Group
1997 - 1998	Research Project Review Committee: COA Experiment Station Projects
1997 - 1998	Program coordinator for Horizons Unlimited Science Exploration Programs
1996	Faculty Search Committee: Natural Products Chemist, Office of Arid Lands Studies
1996	Arid Lands Resources Sciences Program Qualifier Committee
1996 - 1997	SW Center for Natural Products Research and Commercialization steering committee

1995 - 1999	Plant-Insect Interactions Group Executive Committee
1993	COA Task Force on Biological Course and Curriculum Alternatives
1993 - 1995	Research Project Review Committee: COA Experiment Station Projects

Department

University of Arkansas

2007	Applied Sciences Governance Committee (chair)
2003	Faculty Search Committee: Assistant/Associate Professor-Genomics (chair)
2003 - 2007	Doctoral Affairs Committee
2002 - 2007	Promotion and Tenure Committee
2001	Faculty Search Committee: Assistant/Associate Professor-Bioinformatics (chair)
2001 - 2007	Applied Biosciences Program Director
2001 – 2004	Biosciences Core Facility Director
2001 - 2003	Applied Biosciences Seminar Series coordinator

University of Arizona

1999 - 2000	Faculty Search Committee: Assistant/Associate Professor-Plant Development
1998 - 2000	Graduate Student Coordinator and Graduate Student Committee Chair
1998 - 1999	Faculty Search Committee: Assistant/Associate Professor-Ornamental Horticulture
1997 - 1999	Advisory Committee to the Department Head
1997 - 1998	Genetics and Cell Biology Faculty Development Committee:
1996 - 1997	Plant Sciences 100 Subcommittee: University Core Curriculum
1995 - 1996	Ph.D. Written and Oral Preliminary Examination Committees
1994	Faculty Search Committee: Research and Extension Specialist in Vegetable Crops
1994 - 1999	Peer Review Committee
1994 - 1995	Awards and Nominations Committee
1993	Plant Physiology Preliminary Exam Subcommittee
1993 - 1997	Graduate Student Committee
1993 - 1996	Curriculum/Teaching Committee
1993 - 1994	Growth, Structure, and Development Preliminary Exam Subcommittee
1991 - 1995	Undergraduate Committee
1991 - 1993	Interdisciplinary Seminar Committee

NSF WORKING GROUP AND OUTREACH ACTIVITIES

2006	2010 Working Group This Working Group consists of representatives from each of the 4 Divisions in the Biological Sciences Directorate. The goal of the working group is to assist in the management of the 2010 program.
2005 - 2006	Microbial Initiatives Working Group This Working Group consists of one representative from each of the 4 Divisions in the Biological Sciences Directorate. The goal of the working group is to propose a plan for a new broadly defined emphasis in microbial biology for research and training.
2005 - 2006	Plant Genome Research Program Comparative Sequencing Working Group This Working Group consists of one representative from each of the 4 Divisions in the Biological Sciences Directorate. The goal of the working group is to develop a new PGRP Program Solicitation for FY06.
2005	Quality Education for Minorities Network - NSF/BIO Proposal Development Workshop
2005	Plant Genome Research Program - Site Visit Team
2005	Oklahoma EPSCoR – NSF Grants Workshop at Oklahoma State University
2005	Kansas State University - Outreach
2005	NSF Representative – International Symposium in Memory of Vincent R. Franceschi at Washington State University

TEACHING INTERESTS AND EXPERIENCE

Introductory Biology	Biotechnology
Introductory Plant Biology	Plant Cell and Tissue Culture
Biochemistry of Biological Molecules	Advanced Biochemical Techniques
Recombinant DNA Methods and Applications	Graduate Seminars
Plant-Insect Interactions	College Colloquium Series

Teaching-Research Programs

2010 ***Howard Hughes Medical Institute Science Education Alliance - National Genomics Research Initiative.*** Associate Member, Department of Biochemistry and Molecular Biology, Oklahoma State University.

Teaching Grants

1995 Instructional Computing Grant Program, University of Arizona, $1300
1995 COA Academic Programs: Faculty Teaching Enhancement Program $1483 (co-PI)
1995 Hughes University Matching Funds Educational Equipment, $5267 (co-PI)

Teaching Workshops

1994 American Society of Plant Physiologists Teaching Workshop
1994 ACOP Western Regional Teaching Improvement Workshop
1993 Evaluating and Documenting Teaching Performance Workshop
1993 College of Agriculture Teaching Improvement Workshop
1993 Spring Faculty Retreat for Instruction

Graduate Student Advisor

Ph.D. 5 students (Carneiro, Klingler, Khan, Samuel, Sharma)
M.S. 4 students (Richwine, Demetriou, Song, Ognibene)

Graduate Committee Member

Ph.D. 16 students (Moro, Carneiro, Rashotte, Sieberg, Ellis, Coury, Telang, Li, Babb, Wang, Lopez-Valenzuela, Lavin, Kaufman, Hsiao, Sharma, Ding)
M.S 7 students (Li, Ramsey, Martin, Carrel, Brentt, LeFevre, Niu)

Postdoctoral Advisor

2008 – Sampurna Sattar
2007 – 2013 James Anstead
2001 – 2003 Youfa Cheng
2000 – 2001 John Klingler
1999 – 2001 Yanmin Zhu
1998 – 2001 Patrick Moran
1998 – 1999 Kirsten Leineweber (DAAD-NATO Postdoctoral Fellow)
1998 – 1999 Bettina Golecki
1995 – 1998 Anna Clark
1993 – 1995 Karin Jacobsen
1991 – 1992 Dwight Bostwick

Visiting Scholars

Ph.D. 2 International students (Golecki, Germany; Petersen, Denmark)

Undergraduate Research Advisor

1991 - 3-5 students per year

High School Student Professional Programs Mentoring

1992 - 1995 Professional Internship Program, Tucson Unified School District (3 students, Nava, Brunhoeber, Olinger)
1992 - 1995 Young Scholars Program, Horizons Unlimited Science Exploration Programs (4 students, Powell, Miller, Olinger, Krencius)

INVITED PRESENTATIONS (*not including National or International Symposia***)**

2012	Department of Entomology, Iowa State University
2011	Northeast Management Officers Annual Meeting (NEMO), Newport RI
2008	Division of Plant Biology, Samuel Roberts Noble Foundation
	Department of Botany, Oklahoma State University
	Biological Sciences, University of North Texas
2007	Division of Plant Sciences, University of Missouri
	Department of Biochemistry and Molecular Biology, Oklahoma State University
2006	NSF Outreach Presentation, Kansas State University
	NSF EPSCoR Grant Workshop, Oklahoma State University
	NSF Presentation: International Symposium in Memory of Vincent R Franceschi, WSU
	Department of Entomology, Kansas State University
2005	NSF Outreach Presentation, University of Arkansas
	NSF Outreach Presentation, Ohio State University
	Department of Plant Cellular and Molecular Biology, Ohio State University
2004	National Science Foundation, Division of Integrative Biology and Neuroscience
	USDA-Dale Bumpers National Rice Research Center, Stuttgart, AR
2003	UALR Physics and Astronomy Seminar
	Department of Plant Biology, Royal Veterinary & Agricultural University, Copenhagen, DK
2001	Applied Biosciences Seminar, University of Arkansas Little Rock
	Department of Botany and Plant Pathology, Purdue University
	Cell and Molecular Biology Program, University of Arkansas-Fayetteville
	Department of Biochemistry and Molecular Biology, Mississippi State University
	Arkansas Crop Management Conference, Little Rock, AR
	UALR Biology Forum, Little Rock, AR
	Third Annual State NSF EPSCoR Meeting, Little Rock, AR
	Partners in Health Sciences 2001 Summer Program for K-12 Teachers
	Arkansas Biotechnology Association Annual Meeting and Conference, Little Rock
	IEEE Quarterly Meeting, UALR
2000	Botanischen Institute, Justus-Liebig-Universität, Gießen, Germany
	Department of Plant Biology, Royal Veterinary & Agricultural University, Copenhagen, DK
2000	Laboratoire de Biologie Cellulaire, Institut National de la Recherche Agronomique, Versailles, FR
	Annual Symposium for the Southwest Consortium on Plant Genetics and Water Resources. Cloud Croft, NM
	Arkansas Biotechnology Association Annual Meeting and Conference
1999	Annual Symposium for the Southwest Consortium on Plant Genetics and Water Resources. Tucson, AZ
	Research in Arkansas: How it affects our economy, education, and health. Arkansas State University, Jonesboro, AR
1998	Department of Biochemistry and Molecular Biology, University of Arkansas for Medical Sciences
	College of Agriculture, University of Arkansas-Fayetteville
1997	Max-Planck-Institut fuer Zuechtungsforschung, Köln, Germany
	Institut für Landwirtschaftliche Botanik and Institut für Agrikulturchemie
	Universität Bonn, Bonn, Germany
1996	Interdisciplinary Plant Biology Seminar, University of Arizona
	Annual Symposium of the Southwest Consortium on Plant Genetics and Water Resources, Lubbock, TX
1994	Interdisciplinary Plant Biology Seminar, University of Arizona
	Department of Biological Sciences, University of Iowa
1992	Department of Plant Pathology, University of Arizona

NATIONAL MEETINGS

2012	6th Annual Entrepreneurial University Startups Conference, Washington DC
2011	Plant Powered Production Center Symposium. Heber Springs, AR
2008	Annual Meeting, American Society of Plant Biologists
2006	Annual Meeting, American Society of Plant Biologists
1999-2001	Annual Meeting, American Society of Plant Biologists
2000	85th Annual Meeting, Ecological Society of America
1998	Joint Annual Meeting, Phytopathological Society & Entomological Society of America
1991-1997	Annual Meeting, American Society of Plant Physiologists

INTERNATIONAL SYMPOSIA

2014	11th Annual World Congress on Industrial Biotechnology, Philadelphia, PA
2014	2nd International Hemipteran-Plant Interactions Symposium, Riverside, CA (discussion chair)
2013	Biodiversity & Integrated Pest Management, Manado, North Sulawesi, Indonesia (session chair)
2012	Growing the Bioeconomy: Social, Environmental and Economic Implications, Banff, Canada
2010	Second International Conference on Plant Vascular Biology, Columbus, OH
2009	9th International Plant Molecular Biology Congress, St. Louis, MO
2008	International Plant Resistance to Insects Workshop, Ft. Collins, CO Session IV Symposium – Funding strategies for the future of plant-insect interactions (Workshop organizer) Plant Interactions with Aphids, Wageningen, Netherlands (session chair)
2005	Society for Experimental Biology, Barcelona, Spain (session chair)
2004	The 16th International Plant Protection Congress, Beijing, China International Plant Resistance to Insects Workshop, Baton Rouge, LA
2002	Plant, Animal & Microbe Genomes X International Conference, San Diego, CA
2001	International Symposium for Plants under Environmental Stress, Moscow, Russia (session chair) Plasmodesma 2001, Fourth International Conference, Cape Town, South Africa
2000	Cucurbitaceae 2000. Jerusalem, Israel. NATO-Advanced Studies Institute on Plant Molecular Signaling in Response to Biotic and Abiotic Stress, and Implications for Agriculture. Roscoff, France.
1999	International Conference on Assimilate Transport and Partitioning, Newcastle, Australia. (session chair)
1998	Workshop on Plasmodesmata and Transport of Plant Viruses and Plant Macromolecules. Madrid, Spain The International Symposium on Crop Protection, Hermosillo, Mexico International Plant Resistance to Insects 13th Biennial Workshop. Memphis, TN
1997	From Cell Communication to Phloem Differentiation: Aspects of Vascular Cell Biology Christian-Albrechts-Universität zu Kiel, Kiel, Germany
1996	Third International Workshop on Basic and Applied Research in Plasmodesmal Biology. Zichron-Yakov, Israel
1995	International Conference on the Transport of Photoassimilates, University of Kent, UK
1994	Cucurbitaceae 94, South Padre Island, TX

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science
American Society for Biochemistry and Molecular Biology
American Society of Plant Biologists
Sigma Xi, Alpha Zeta, Gamma Sigma Delta

GRANT SUPPORT

2015 – 2016	HGBF: Phase 0 – "Planning Phase for the Institute of Applied Agriculture in Rwanda" (Thompson PI) $806,246
2014 – 2019	USDA NIFA: "Advancing the National Bioeconomy through Regional Sun Grant Centers" (Thompson co-PI) $2,328,120 (PSU $465,624)
2009 – 2013	USDA NIFA: "MicroRNA regulation of host plant resistance to aphids" $325,000.
2008 – 2010	OCAST: Oklahoma Basic Plant Science Research Program: "Characterizing novel sieve element endomembrane proteins" $85,205
2007 – 2010	NSF-EPSCoR: "Plant-Based Bioproduction –Exploring and harnessing the biosynthetic power of plants" (Cramer PI, Thompson co-PI, Korth co-PI). AR State EPSCoR.
2006 – 2007	NASA-EPSCoR Preparation Grant: "Gravity perception in a novel Arabidopsis mutant with exaggerated serpentine-like movement" $5000
2005 - 2009	USDA NRI: "Comparative Analysis of R-Gene Mediated Aphid Resistance in Tomato and Melon" $346,193
2003 - 2006	Velux Visiting Professor Programme: "Visiting Professorship in the Department of Plant Biology at The Royal Veterinary and Agricultural University, Copenhagen, Dk" $50,000
2001 - 2004	USDA NRI: "Molecular characterization of aphid resistance in melon" $150,000
2001 - 2003	Arkansas Science & Technology Authority: "Host resistance against *Aphis gossypii* (cotton-melon aphid): A source of engineered aphid resistance in cotton" $54,220
2001 - 2002	Health Resource and Service Administration: "Establishing a high-throughput DNA sequencing facility at the University of Arkansas at Little Rock" $295,130
2000 - 2002	SW Consortium on Plant Genetics and Water Resources: "Phloem-feeding pests of arid/semiarid environments: Understanding plant defense responses to aphids and whiteflies" $100,000
1999 - 2002	NSF: "Two-photon confocal microscope for biological imaging in plants" (Co-PI) $234,500
1999	Office of International Programs, University of Arizona $520
1998 - 2003	NSF: "P-Protein mutants: Tools to analyze phloem protein function" $300,000 & REU supplements $10,000
1997 - 1999	NATO Collaborative Research Grants Programme: "The role of phloem proteins in vascular development and function" $6000
1997 - 1998	Small Grants Program, University of Arizona VP of Research: "Analysis of aphid-induced gene expression in *Arabidopsis thaliana*" $4000
1996 - 1998	SW Consortium on Plant Genetics and Water Resources: "Impact of Water Stress on Host Plant Resistance to Aphids and Whiteflies on Melon" $84,000
1996 - 2002	NSF BIO Research Groups Program: "Interdisciplinary Research Training Group on Plant-Insect Interactions" (Co-PI) $750,000
1995	Center for Insect Science. University Arizona: "Analysis of aphid resistance in melon", $5000
1995	Center for Insect Science. University of Arizona: "Isolating mRNA transcripts that are representative of the phloem" $5000
1995	Office of International Programs, University of Arizona $500
1994 - 1997	NSF: "P-Protein mutants: Tools to analyze phloem protein function" $202,000
1994	Center for Insect Science. University of Arizona: "Analysis of insect antinutrient activity of a chitin-binding lectin in transgenic plants" $5000
1993	Small Grants Program, University of Arizona VP of Research: "Regulation of Sucrose Phosphate Synthase in Muskmelon Fruits" $5000
1992-1995	USDA NRI: "P-Proteins: Molecular Probes to Analyze Phloem Development" (no-cost extension to 9/1995) $96,000
1992-1995	Desert Tree Farms, Phoenix, AZ: "Micropropagation of Selected Ornamentals" $30,000

REFEREED PUBLICATIONS

Thompson GA and Larkins BA. 1989. Structural elements regulating zein gene expression. Bioessays 10:108-113.

Thompson GA, Boston RS, Lyznik LA, Hodges TK and Larkins BA. 1990. Analysis of promoter activity from an alpha-zein gene 5' flanking sequence in transient expression assays. Plant Molecular Biology 15:755-764.

Ohtani T, Galili G, Wallace JC, Thompson GA and Larkins BA. 1990. Normal and lysine-containing zeins are unstable in transgenic tobacco seeds. Plant Molecular Biology 16:117-128.

Thompson GA, Siennieniak D, Sieu L, Slightom J and Larkins BA. 1991. Sequence analysis of linked maize 22-kD alpha-zein genes. Plant Molecular Biology 18:827-833.

Bostwick DE, Dannenhoffer JM, Skaggs MI, Lister RM, Larkins BA and Thompson GA. 1992. Pumpkin phloem lectin genes are specifically expressed in companion cells. Plant Cell 4:1539-1548.

Bostwick DE and Thompson GA. 1993. Nucleotide sequence of a pumpkin phloem lectin cDNA. Plant Physiology 102:693-694.

Bostwick DE, Skaggs MI, and Thompson GA. 1994. Organization and characterization of *Cucurbita* phloem lectin genes. Plant Molecular Biology 26:887-897.

Mackay WA, Tipton JL and Thompson GA. 1995. Micropropagation of mexican redbud, *Cercis canadensis* var. *mexicana*. Plant Cell, Tissue and Organ Culture 43:295-299.

Richwine AM, Tipton JL and Thompson GA. 1995. Establishment of *Aloe*, *Gasteria*, and *Haworthia* shoot cultures from inflorescence explants. Hortscience 30:1443-1444.

Richwine AM, Tipton JL and Thompson GA. 1996. Micropropagation of *Hesperaloe parviflora*. In Vitro Cell and Dev Biol-Plant 32:262-266.

Dannenhoffer JM, Schulz A, Skaggs MI, Bostwick DE and Thompson GA**.** 1997. Expression of the phloem lectin is developmentally linked to vascular differentiation in cucurbits. Planta 201:405-414.

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