

## CURRICULUM VITA

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### EDUCATION

University of Georgia	B.S.	Chemistry, Zoology	1972
University of Georgia	Ph.D.	Molecular Genetics (Zoology)	1975
California Institute of Technology	Postdoctoral	Biology	1975-1980

### HONORS

Merck Chemistry Prize, Department of Chemistry, University of Georgia, 1972; Phi Beta Kappa, University of Georgia, 1972; *summa cum laude*, University of Georgia, 1972; Graduate Research Fellow, University of Georgia, 1972-1975; NIH/NRSA Fellowship, 1975-1978; American Cancer Society Lievere Fellowship, 1978-1980.

### RESEARCH AND PROFESSIONAL EXPERIENCE

Graduate Research Fellow, University of Georgia, 1972-1975; Research Fellow, Division of Biology, California Institute of Technology, 1976-1980; Senior Research Fellow, Division of Biology, California Institute of Technology, 1980-1982; Assistant Professor, Biology Department, Texas A&M University, 1983-1988; Associate Professor, Biology Department, Texas A&M University, 1988-1992; Professor, Biology Department, Texas A&M University, 1992-present; Professor and Interim Head, Biology Department, Texas A&M University, 1992-1994; Professor and Head, Biology Department, Texas A&M University, 1994-2002; Member, NIH Study Section, 1992-1996. DOE Energy Biosciences Review Panel, 1997. Director, Laboratory for Functional Genomics, 1999-present; Consultant and Scientific Advisor for Bayer Crop Science (formerly Aventis Crop Science) and RhoBio/Biogemma, 1999-2010; USDA Plant Genetic Mechanisms Review Panel, 2002-2004. Editorial Review Board, Environmental Health Perspectives: Toxicogenomics, 2002-2005; Consultant and Scientific Advisor for Alpha Biolaboratory, Inc. 2005-present.

### PUBLICATIONS

1. Leyden, D.E., T.L. Thomas, S.M. Guill and C.W. Blount. 1973. Application of chelating ion exchange resins for trace element analysis for geological samples using x-ray fluorescence. *Analytical Chemistry* **45**:1945-1954.
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3. Thomas, T.L. and G.L. Patel. 1976. Optimal conditions and specificity of interactions of a distinct class of nonhistone chromosomal proteins with DNA. *Biochemistry* **15**:1481-1489.
4. Thomas, T.L. and G.L. Patel. 1976. DNA unwinding component of the nonhistone chromatin proteins. *Proc. Natl. Acad. Sci. USA* **73**:4364-4368.

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## MANUSCRIPTS SUBMITTED OR IN PREPARATION

- Tag, A., Lambou, K., Collemare, J., Clergeot, P.H., Barbisan, C., Perret, P., Beffa, R., Thomas, T. and Lebrun, M.-H. “The rice blast fungus *Magnaporthe grisea* transcription factor BIP1 is required for pathogenesis and regulates a distinct set of appressorium specific genes.” To be submitted to *Plant Cell*.
- Damaj, M., Hur, J., Chuang, H., Perret, P., Ma, J., Kim, S.Y., Thomas, T.L. The *ABI5* bZIP transcription factor gene family: structure, expression and function. To be submitted.
- Hsieh, T.F. and Thomas, T.L. Expression and functional analysis of a *knotted*-like gene in *Arabidopsis* embryos. In preparation.

Damaj, M, Hur, J., Ma, J., Thomas, T.L. Identification of downstream targets and synergistic interactions of the AtDPBF4/EEL bZIP transcription factor. In preparation.

Hur, J., Damaj, M., Chuang, H., Perret, P., and Thomas, T.L. Downstream targets of the ABI5/AtDPBF1 bZIP transcription factor. In preparation.

## PATENTS

**Title:** Chimeric Plant Genes Based on Upstream Regulatory Elements of Helianthinin. **Inventors:** T. Thomas, M. Bogue, M LeBrun and G. Freyssinet. USPTO Patent Nos. 5,824,865 (10/20/98), 5,859,325 (1/12/99), 5,905,186 (5/18/99).

**Title:** Production of Gamma Linolenic Acid by a  $\Delta^6$ -Desaturase. **Inventors:** T. Thomas, A.S Reddy, M. Nuccio and G. Freyssinet. USPTO Patent Nos. 5,552,306 (9/3/96); 5,614,393 (3/25/97); 5,663,068 (9/2/97); 5,789,220 (8/4/98).

Several other applications dealing with  $\Delta^6$ -desaturase genes from various sources and with novel promoters we have developed have also been submitted or are in preparation.

## RESEARCH INTERESTS

My interests are evolutionarily broad and include animals, plants and fungi. A new focus of the laboratory is the analysis of the gene regulatory networks of vertebrate embryonic retinal development. We are also using genomics tools to study the interaction of the rice blast fungus, *Magnaporthe grisea*, with plant hosts.

## FUNDING

My laboratory has been continuously funded from extramural sources since I joined the Department of Biology in 1983 as an Assistant Professor. Past and current funding of my program totals more than 6 million dollars in state, federal and industrial grants and contracts. Currently, the laboratory is funded at a level of more than \$200,000 per year through 2011.

## INVITED PRESENTATIONS

**University of Texas-Austin, Department of Zoology, Austin, TX.** "Structure and Expression of the Sea Urchin Actin Gene Family." May 1983.

**University of Texas System Cancer Center, Smithville, TX.** "Global Organization and Expression of Sea Urchin Actin Genes." August 1983.

**Rice University, Department of Biology, Houston, TX.** "Diverse Expression Patterns During Plant Growth and Development." March 1985.

**NSF/IPRA Workshop on Plant Embryogenesis, San Miniato, Italy.** "Analysis of Gene Expression Patterns in Carrot." May 1985.

**University of Georgia, Departments of Biochemistry and Genetics, Athens, Georgia.** "Diverse Gene Expression Patterns in Sunflower." May 1986.

**VI International Congress on Plant Tissue and Cell Culture, University of Minnesota.** "Analysis of Carrot Somatic Embryo Gene Expression Programs." August 1986.

**EMBO Workshop on Plant Storage Protein Genes, Breisach, Federal Republic of Germany.** "Developmental Expression and Structural Organization of Sunflower Storage Protein Genes." September 1986.

**Plant Cell and Molecular Biology Center, Rhône-Poulenc Agrochimie, Lyon, France.** "Gene Expression Programs During Plant Development." October 1986.

**9th Journées Scientifiques, Rhône-Poulenc S.A., Avignon, France.** "Molecular Biology of Agrochemicals: Regulation of Gene Expression." October, 1986.

**Agricultural University of the Netherlands, Department of Molecular Biology, Wageningen, Netherlands.** "Gene Expression Programs in Carrot Somatic Embryos." October, 1986.



**American Oil Chemists' Society Annual Meeting**, New Orleans, LA. "Developmental Expression and Structural Organization of Sunflower Storage Protein Genes." May 1987.

**Gordon Research Conference, Plant Molecular Biology**, Andover, NH. "Gene Expression Programs in Carrot Somatic Embryos." June, 1987.

**American Chemical Society Symposium on Biotechnology for Crop Protection**, Snow Bird, Utah. "Regulation of Gene Expression in the Sunflower Embryo." June 1987.

**EMBO/IPRA Workshop on Plant Development**, Vallombrosa, Italy. "Somatic Embryogenesis: A Model System for Molecular Analysis of Early Plant Development." July 1987.

**Plant Cell and Molecular Biology Center, Rhône-Poulenc Agrochimie**, Lyon, France. "Structure and Expression of Sunflower Seed Protein Genes." July 1987.

**EniChem Americas**, Princeton, NJ. "Gene Expression Programs in Plant Development." August 1987.

**M.D. Anderson Cancer Center, Department of Molecular Biology**, "Wound Inducible HRGP Genes of Sunflower." March 1988.

**UCLA Symposium on The Molecular Basis of Plant Development**, Steamboat Springs, CO. "Patterns of Gene Expression in Plant Development." March 1988.

**EniChem Americas**, Princeton, NJ. "Hormonal, Stress and Developmental Regulated Expression of a Gene Family Encoding Hydroxyproline-Rich Glycoproteins in Sunflower." November 1988.

**Plant Cell and Molecular Biology Center, Rhône-Poulenc Agrochimie**, Lyon, France. "Structure and Expression of Sunflower Helianthinin Genes." July 1989.

**University of Texas-Austin, Department of Botany**, Austin, TX. "Hormonal and Developmental Regulation of Two Plant Embryo Genes." February 1990.

**EniMont Americas**, Princeton, NJ. "Environmental, Hormonal and Developmental Regulation of Gene Expression" February 1990.

**University of California-Los Angeles, Department of Biology**, Los Angeles, CA. "Diverse Regulation of Two Distinct Plant Embryo Genes." May 1990

**California Institute of Technology, Division of Biology**, Pasadena, CA. "Environmental, Hormonal and Developmental Regulation of Plant Embryo Genes." May 1990.

**EMBO Workshop on The Molecular Basis of Plant Embryogenesis**, Wageningen, The Netherlands. "Diverse Regulation of Two Plant Embryo Genes." June 1990.

**Plant Cell and Molecular Biology Center, Rhône-Poulenc Agrochimie**, Lyon, France. "Hormonal and Developmental Regulation of Sunflower Helianthinin Genes." July 1990.

**Oklahoma University, Department of Biology**, Norman, OK. "Hormonal and Developmental Regulation of Plant Embryo Gene Expression." October 1990.

**Society for Experimental Biology Annual Meeting**, Birmingham, England. "ABA Regulation of Gene Expression in Embryos and Mature Plants." April 1991.

**University of California-Davis, Division of Biological Sciences**, Davis, CA. "Hormonal and Developmental Regulation of Two Plant Embryo Genes." May 1991.

**International Society of Plant Molecular Biology Congress**, Tuscon, AZ. "Hierarchical Control of a Sunflower 11S Seed Protein Gene." October 1991.

**University of Texas System Cancer Center**, Smithville, TX. "Hormonal and Developmental Regulation of Plant Gene Expression." March 1992.

**M.D. Anderson Cancer Center, Department of Molecular Biology**, Houston, TX. "Hierarchical Control of a Sunflower 11S Seed Protein Gene." April 1992.

**Oxford University, Department of Plant Sciences**, "Regulation of Sunflower Gene Expression." June 1992.

**Plant Cell and Molecular Biology Center, Rhône-Poulenc Agrochimie**, Lyon, France. "Isolation, Characterization and Expression of a Cyanobacterial  $\Delta^6$ -Desaturase Gene." June 1992.

**World Congress on Cell and Tissue Culture**, Washington, D.C. "Hierarchical Control and Hormonal Modulation of Gene Expression in Seed Development." June 1992.

**Pioneer Hi-Bred International, Inc.**, Johnston, IA. "Developmental Regulation of Sunflower Seed Protein Gene Expression." October 1992.

**North Carolina State University, Department of Genetics**, Raleigh, NC. "Developmental and Hormonal Regulation of Two Plant Embryo Genes." November 1992.

**University of North Carolina, Department of Biology**, Chapel Hill, NC. "Developmental Regulation of Sunflower Seed Protein Gene Expression." November 1992.

**Rhône-Poulenc AG**, Research Triangle Park, NC. "Molecular Genetic Strategies to Manipulate Seed Lipid Composition." November 1992

**Institute of Biosciences and Technology**, Houston, TX. "Molecular Genetic Strategies to Manipulate Plant Lipid Composition." December 1992

**California Institute of Technology, Division of Biology**, Pasadena, CA. "Gene Expression in Plant Embryos." April 1993.

**University of Virginia, Center for Biological Timing**, Charlottesville, VA, "Developmental Regulation of Gene Expression in Plant Embryos," October 12, 1993.

**Universität Hamburg, Institut für Allgemeine Botanik**, Hamburg, Germany. "Cloning and Expression of a Cyanobacterial  $\Delta^6$ -Desaturase Gene." October 25, 1993.

**Agricultural University of the Netherlands, Department of Molecular Biology**, Wageningen, Netherlands. "Regulation of Gene Expression in Plant Embryos: Recent Data and New Strategies." October 26, 1993.

**Journées BioAvenir Sur La Transgenèse Végétale**, Dourdan, France. "Strategies for the Modification of Lipid Composition in Crop Plants: Cloning and Expression of a Cyanobacterial  $\Delta^6$ -Desaturase Gene." October 29, 1993.

**Journées BioAvenir Sur La Transgenèse Végétale**, Dourdan, France. "Developmental and Hormonal Regulation of Sunflower Helianthinin Genes." October 30, 1993.

**6th International Seed Protein Symposium**, Gaterslaben, Germany. "Structure and Function of Seed Protein Promoters." June 1994.

**Society for Industrial Microbiology Annual Meeting**, Boston, MA. "Cloning and Expression of a Cyanobacterial  $\Delta^6$ -Desaturase." August 1994

**Eurolipid Congress**. Münster, Germany. "Cloning and Expression of a Cyanobacterial  $\Delta^6$ -Desaturase Gene." September 1994.

**Agricultural University of the Netherlands, Department of Molecular Biology**, Wageningen, Netherlands. "Regulation of Gene Expression in Plant Embryos: Even Simple Problems are Hard." September 1994.

**DuPont AgBiotechnology**, Wilmington, Delaware. "Structure and Function of Seed Protein Promoters." November 1994.

**Journées Scientifiques BioAvenir**, Paris, France. "Isolation of Tissue-Specific Genes in Plants Using New and Old Strategies." November 1994.

**NPLC Biochemistry and Molecular Biology of Plant Fatty Acids and Glycerolipids Symposium**, "Cloning and Expression of  $\Delta^6$ -Desaturase Genes in Transgenic Plants." South Lake Tahoe, CA, June 3, 1995.

**Institute of Biological Chemistry**, Washington State University, Pullman, WA. "Molecular Genetic Manipulation of Plant Lipid Composition: Expression of Gamma Linolenic Acid in Oilseeds." September 15, 1995.

**Signal Transduction in Plant Development**, "Novel Genes Expressed in Plant Embryos." Cold Spring Harbor Laboratory, September 30, 1995

**Plant Cell and Molecular Biology Center, Rhône-Poulenc Agrochimie**, Lyon, France. "Development of Novel Constitutive and Tissue-Specific Promoters for the Expression of 'Agronomic' Genes in Crops." October 1995.

**BIOCEM/Group Limagrain, Universitaire des Cézeaux**, Aubiere, France, "Molecular Genetic Manipulation of Plant Lipid Composition: Expression of Gamma Linolenic Acid in Oilseeds." October 1995.

**University of Maryland-Baltimore County, Department of Biology**, "Regulation of Gene Expression in Plant Embryos: Even Simple Problems are Hard." November 1995.

**SAAS Annual Conference, Biochemistry and Biotechnology**, Greensboro, N.C., "Identification of Novel mRNAs in Immature Seeds of *Arabidopsis thaliana*., February 5, 1996"

**University of North Carolina, Department of Biology**, Regulation of Plant Embryo Gene Expression." February 6, 1996.

**CALGENE**, Davis, CA, "Novel Genes Expressed in *Arabidopsis* Embryos." March 14, 1996.

**Monsanto Co.**, St. Louis, MO. Developmental and ABA Regulation of Gene Expression. March 27, 1996.

**Washington University**, St. Louis, MO. "Novel Genes Expressed in *Arabidopsis* Embryos." March 28, 1996.

**International Lipid Congress**, Toronto, CA. "Isolation and Expression of  $\Delta^6$ -Desaturase Genes In Transgenic Plants." July 12, 1996.

**Pioneer Hi-Bred**, Johnston, IA. "ABA and Developmental Regulation of Plant Embryo Gene Expression." July 24, 1996.

**Plant Embryogenesis Workshop**, Hamburg, FRG, "Novel Genes Expressed in *Arabidopsis* Embryos." September 12, 1996.

**Instituto Juan March De Estudios E Investigaciones, Abscisic Acid Signal Transduction in Plants**. Madrid, SPAIN, "A Bipartite Model of Developmental and ABA Regulation of the Carrot *Dc3* Gene., October 29, 1996.

**Department of Genetica, C.I.D. (C.S.I.S.C.)**, Barcelona, Spain, "Regulation of Plant Embryo Gene Expression," October 30, 1996.

**Genome and Gene Function (Rhône-Poulenc S.A.)**, Chantilly, France. "Molecular Strategies to Manipulate Plant Lipid Composition." December 4, 1996.

**Institut de Biologie Moleculaire des Plantes du CNRS**, Strasbourg France. "Novel Gene Isolation Strategies." December 5, 1996.

**University of Perpignan, C.N.R.S.**, Perpignan, France. "Novel Genes Expressed in *Arabidopsis* Embryos." March 3, 1997.

**Plant Cell and Molecular Biology Center, Rhône-Poulenc Agrochimie**, Lyon, France. Novel Techniques for Gene Identification and Characterization. March 5, 1997.

**Pierre and Marie Curie University, Paris, France**, Production of  $\gamma$ -Linolenic Acid by Transgenic Plants Expressing Cyanobacterial or Plant  $\Delta^6$ -Desaturase Genes. March 6, 1997.

**Dartmouth College**, Hanover, NH. "Novel Genes Expressed in *Arabidopsis* Embryos." April 25, 1997.

**American Oil Chemists Society Meeting**, Seattle, WA. "Production of Novel Fatty Acids in Seed Oils by the Expression of  $\Delta^6$ -Desaturase Genes in Transgenic Plants." May 12, 1997.

**National Plant Lipid Consortium**, South Lake Tahoe, CA. "Production of Novel Fatty Acids in Seed Oils by the Expression of  $\Delta^6$ -Desaturase Genes in Transgenic Plants." June 5, 1997.

**7th International Seed Protein Symposium**, Gatersleben, Germany. "A Bipartite Model for ABA and Developmental Regulation of the Carrot *Dc3* Gene." June 24, 1997.

**University of Oregon, Institute of Molecular Biology**, Eugene, OR. "Developmental and ABA Regulation of Gene Expression: Complex Solution to an Apparently Simple Problem." October 14, 1997.

**Oregon State University**, Corvallis, OR. "Developmental and ABA Regulation of Gene Expression: Complex Solution to an Apparently Simple Problem." October 15, 1997.

**Journee Scientifique BioAvenir**, Paris, France. "Development of Novel Promoters for the Expression of Agronomic Genes in Plants." November 18, 1997.

**Journee Scientifique BioAvenir**, Paris, France. "Novel Fatty Acid Production in Crops." November 18, 1997.

**Cereon Genomics/Millennium Pharmaceuticals**, Boston, MA. "Novel Genes Expressed in *Arabidopsis* Embryos." February 26, 1998.

**Center of Excellence Symposium on Transcription Factors in Plant Development** Tokyo, JAPAN. "Novel Transcription Factors Involved In Developmental and ABA Regulation of Plant Embryo Genes." March 17-18, 1998.

**Clemson University, Department of Biology**.Clemson, South Carolina. "Novel Transcription Factors Involved In Developmental and ABA Regulation of Plant Embryo Genes." March 25, 1998.

**Oxford University 1998** Oxford, England. “Crawling Up the Gene Regulatory Hierarchy in *Arabidopsis* Embryos.” May 14, 1998.

**National Center for Genomic Resources**, Santa Fe, NM. “Functional Genomics Analysis of Embryogenesis in *Arabidopsis*.” June 4, 1998.

**Plant Biotechnology Institute**, Saskatoon, Saskatchewan, Canada. “Novel Fatty Acid Production in Crops.” July 12, 1998.

**Texas Tech University**, Lubbock, TX. “Functional Genomics Analysis of Embryogenesis in *Arabidopsis*.” September 24, 1998.

**5th Plant Embryogenesis Workshop, 2nd European Plant Embryogenesis Network Meeting**, Barcelona, Spain. “Transcription Factors in Early *Arabidopsis* embryogenesis.” November 19-21, 1998.

**Medicago truncatula Genomics Workshop**, San Diego, CA. “Transcriptional Profiling using DNA Microarrays.” January 16, 1999.

**University of Montreal**, Montreal, Quebec, Canada. “Functional Genomics Analysis of Embryogenesis in *Arabidopsis*.” February 4, 1999.

**Montana State University**, Bozeman, MT. “Functional Genomics Analysis of Embryogenesis in *Arabidopsis*.” April 30, 1999.

**Gene Technology Workshop, University of Cincinnati Medical School**, Cincinnati, OH. “Implementing DNA Microarray Technology in an Academic Setting.” May 11, 1999.

**Hong Kong University of Science and Technology**, Plenary Lecture., Postgraduate Research Symposium, “Functional Genomics Analysis of Embryogenesis in *Arabidopsis*.” September 11, 1999.

**Department of Environmental and Plant Biology, Ohio University**, Athens, OH. “Functional Genomics Analysis of Embryogenesis in *Arabidopsis*.” October 1, 1999.

**National Institute of Environmental Health Sciences**, Airlie Center, VA. “Global Gene Expression Analysis using DNA Microarrays.” May, 2001.

**MDACC-Science Park**, Smithville, TX. “Functional Genomics Analysis of Embryogenesis in *Arabidopsis*.” April, 2002.

**RhoBio/Biogemma**, Evry, France. “Experimental Challenges of Expression Profiling.” June, 2002.

**Wageningen University**, Wageningen, Netherlands "Functional Genomics Analysis of ABA signaling in *Arabidopsis*", November, 2003.

**Bayer Cropscience**, Lyon, France. “Functional Genomics of the rice blast fungus *Magnaporthe grisea*”, September, 2003

**RhoBio/Biogemma**, Evry, France "Computational Challenges in Expression Profiling", June, 2003.

**Bayer Cropscience**, Lyon, France. “Functional Genomics of the rice blast fungus *Magnaporthe grisea*”, June 28, 2004.

**Wageningen University**, Wageningen, Netherlands "Functional Genomics Analysis of ABA signaling in *Arabidopsis*", June 29, 2004.

**Bayer Cropscience**, Lyon, France. “Experimental and Computational Challenges of Expression Profiling”, September 23, 2004.

**Bayer Cropscience**, Lyon, France. “Functional Genomics of the rice blast fungus *Magnaporthe grisea*”, June 2, 2005.

**Bayer Cropscience**, Lyon, France. “High throughput strategies to identify transcription factor antagonists and agonists”, December 12, 2005.

**Bayer Cropscience**, Lyon, France. “Functional genomics of the rice blast fungus *Magnaporthe grisea*”, April 24, 2006.

**Wageningen University**, Wageningen, Netherlands "Functional Analysis of ABI5 bZIP transcription factors in *Arabidopsis* seed development", October 13, 2006.

**Chonnam National University, Republic of Korea** “Functional Genomics Analysis of Seed Development in *Arabidopsis*”, Globalization of Regional Biotechnology Symposium, January 29, 2007.

**Dow Agrosciences, Indianapolis, IN** “Functional Genomics of the ABI5 bZIP Subfamily of Transcription Factors”, March 12, 2007. **Bayer Cropscience**, Lyon, France. “Functional genomics of the rice blast fungus *Magnaporthe grisea*”, April 24, 2006.

**Clemson University, Clemson, SC.** “Functional Genomics of the ABI5 bZIP Subfamily of Transcription Factors”, April 10, 2008

**Bayer CropScience, Lyon, France.** “Functional genomics of the rice blast fungus *Magnaporthe grisea*”, June 30, 2008.

## GRADUATE AND POSTDOCTORAL STUDENTS

### Graduate Students

Randy Allen*	Ph.D.	1986
Dayton Wilde	Ph.D.	1988
William Seffens	Ph.D.	1989
Molly Bogue	Ph.D.	1990
Andrew Nunberg	Ph.D.	1995
Zhuwen Li	Ph.D.	1995
Hwa-jee Chung	Ph.D.	1996
Zhongshen Li	Ph.D.	1997
Michael Nuccio	Ph.D.	1997
Tzung-Fu Hsieh	Ph.D.	1998
Leon Wooten	Ph.D.	1998
Julia Frugoli**	Ph.D.	1998
Aravind Iyer	Ph.D.	1999
Jungim Hur	Ph.D.	2007
Veria Alvarado	Ph.D.	2007
Katrina Castillo	Ph.D.	
Chenyu Wang	Ph.D.	
Patricia Willy	M.S.	1986
Elizabeth Cohen*	M.S.	1986
William Nelson	M.S.	1988
Yichun Yang	M.S.	2010

I have served, or am now serving, on approximately forty Ph.D. and M.S. committees and co-chaired several of these.

\*Dr. Craig Nessler was chair of Allen’s and Cohen’s graduate committees. I was a member of each their committees, and a significant amount of the research for their respective degrees was done in my lab under my supervision.

\*\* Frugoli was a visiting Ph.D. student in my lab for 2.5 years. A significant portion of her Ph.D. work was done in my lab.

### Postdoctoral Students

Dr. Carl Adams	1985-1989	Medallion Labs (Minneapolis, MN)*
Dr. Raymond Vonder Haar	1986-1988	Vice President, LARK Inc. (Houston, TX)*
Dr. Juan Jordano	1988-1989	CSIC (Sevilla, SPAIN)*
Dr. Concepcion Almoguera	1988-1989	CSIC (Sevilla, SPAIN)*
Dr. Richard Derose	1989-1991	Bayer CropScience (Lyon, FRANCE)*
Dr. Jeevalatha Vivekananda	1989-1991	UT Health Science Center (San Antonio, TX)*
Dr. A.S. Reddy	1990-1994	Director of Genomics*
		Dow Agro (Indianapolis, IN)
Dr. Andrew Nunberg	1995-1996	Monsanto Company (St. Louis, MO)

Dr. Philip Beremand	1991-present	Associate Director, Laboratory for Functional Genomics
Dr. Soo Young Kim	1994-1997	Kumho Life and Environmental Science Laboratory (KOREA)*
Dr. Manuel Duval	1996-2001	Pfizer (Paris, FRANCE)*
Dr. John Ivy	1997-2001	Texas A&M University, Department of Biology*
Dr. Jianzhong Ma	1997-2000	Montreal University
Dr. Huey-Wen Chuang	1997-2002	Univeristy of Minnesota
Dr. Tzung-Fu Hsieh	1998-2001	UC-Berkeley
Dr. Philippe Perret	1998-2002	Bayer Cropscience*
Dr. Beijin Mei	1999-2002	Guangzhou University*
Dr. Mona Damaj	2000-2005	Texas A&M University Agricultural Research and Extension Center—Weslaco
Dr. Andrew Tag	2002-present	Associate Director, Laboratory for Functional Genomics and Bioinformatics

\*Permanent Positions

## PROFESSIONAL ACTIVITIES

Member, Lost Pines Conference Steering Committee	1984-1988
Chair, Lost Pines Conference	1986
Member, NIH Biology I Study Section	1992-1996
<i>Ad hoc</i> reviewer of more than 70 NSF, USDA and DOE proposals	1983-
<i>Ad hoc</i> reviewer of more than 100 manuscripts for <i>Plant Cell</i> , <i>Plant Physiology</i> , <i>Plant Molecular Biology</i> , <i>Plant Journal</i> , <i>Planta</i> , <i>Annals of Botany</i> , <i>Developmental Biology</i> , <i>Gene</i> , <i>Science and Proceedings National Academy of Sciences</i> , among others.	1983-
Co-Organizer (with Sacco DeVries and Pere Puigdomenech) of the 5th Plant Embryogenesis Workshop, Barcelona, SPAIN November 19-21.	1998
Scientific Consultant for several Biotechnology Companies	1998-

## ACADEMIC AND ADMINISTRATIVE ACTIVITIES (Not inclusive)

Member, Department Head Search Committee	1984
Member, Department of Biology Advisory Committee	1984-1990
Chair, Departmental Graduate Recruiting and Admissions Committee	1987-1989
Interim Chair, Molecular and Cell Biology Program	1986-1991
Chair, Executive Committee Molecular and Cell Biology Program	1991-1993
Member, Texas A&M System Institute Biosafety Committee	1984-1992
Chair, Texas A&M System Institute Biosafety Committee	1990-1992
Chair, Advanced DNA Technologies Laboratory Committee	1987-1989
Member, Gene Technologies Laboratory Committee	1987-1999
Member, Faculty Senate Life Science Review Committee	1988-1989
VAX Manager, Department of Biology	1988-1990
Chair, Tenure and Promotion Committee	1989
Chair, Tenure and Promotion Committee	1990
Member, Scientific Advisory Committee, Center for Advanced Invertebrate Molecular Sciences (Texas A&M University)	1990-2000
Graduate Advisor, Department of Biology	1991-1992

Interim Head, Department of Biology	1992-1994
Member Scientific Advisory Committee, Institute of Developmental and Molecular Biology (Texas A&M University)	1992-2000
Member Advisory Committee, Crop Biotechnology Center (Texas A&M University)	1992-2002
Executive Committee, Crop Biotechnology Center (Texas A&M University)	1998-2002
NSB/GUIRR Subcommittee	1993
NSBGUIRR Implementation Planning Committee	1994
Head, Department of Biology	1994-2002
Co-Chair, Life Science Task Force, Texas A&M University	1998-2001
Chair, EM Center Director Search Committee (Professor Andreas Holzenburg appointed)	1998-2000
Chair, Plant Pathology Department Head Search Committee (Professor Dennis Gross appointed)	1999-2000
Director, Laboratory for Functional Genomics	1999-present
Member, Plant Pathology Bioinformatics Search Committee (Michael Thon hired)	2001-2002
Member, Poultry Science Functional Genomics Search Committee (Michael Bailey hired)	2003-2006
Member, Research Foundation Principal Investigator Advisory Committee	2006-present
Trustee, Research Foundation Board of Trustees	2006-present
Member, Department of Biology Executive Committee	2009-present
Member, Research Administration and Shared Services Committee	2009-present
Member and Officer, Council of Principal Investigators (CPI)	2009-present
Member, Biosafety Advisory Committee	2009-2012
Special Advisor to the Vice President for Research	2011-present
Chair, Sponsored Research Services, Principal Investigator/ Faculty Advisory Committee	2012-