

Curtis B. Phifer (Curt)
Louisiana Scholars' College at
Northwestern State University
Professor of Biology

ADDRESSES AND TELEPHONES

Louisiana Scholar's College at
Northwestern State University
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183 Lakeside Drive
Natchitoches, LA 72457
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EDUCATION

University of Kentucky

Ph.D. Biology with concentration in
neurobiology, 1983

Marine Biological Laboratory (Woods Hole, MA)

MA: Neural Systems and Behavior
Course, 1980

Florida State University

M.S., Biology with undeclared minor
in psychology, 1976

North Carolina State University

B.S., cum laude, Zoology, 1973

ACADEMIC AND PROFESSIONAL POSITIONS HELD

Acting Director, July 2005-June, 2006 – Louisiana Scholars' College, Northwestern State
University

Full Professor, 2001 - Northwestern State University, Natchitoches, LA.

Full Graduate Faculty Status, 1995-present, Northwestern State University, Natchitoches, LA.

Associate Professor of Biology, with Tenure, 1992-2001, Louisiana Scholars' College

Assistant Professor of Biology, 1988-92, Louisiana Scholars' College, Northwestern State
University, Natchitoches, LA

Research Assistant Professor, 1987-88, Department of Psychology, Duke University

Lecturer, 1986-87, Department of Psychology, Duke University

Research Associate, 1984-86, Department of Psychology, Duke University

Assistant Professor, 1976-1979, Department of Mathematics and Natural Sciences, College of the Albemarle, Elizabeth City, NC

RESEARCH SUPPORT

Louisiana Education Quality Support Fund Grant (1990-92)-RD-A-24. "Investigation of Changes in Functional Neural Activity Using Metabolic-Marking and Image-Analysis Techniques." 7/1/91-9/30/93; \$63,159 plus \$10,800 cash match from University.

Whitehall Foundation, Palm Beach, FL. "Development of Mechanisms Underlying the Nutritive Control of Ingestion." 8/1/91- 9/30/95; \$31,140.

Co-Principal Investigator with W.G. Hall on NICHD Grant HD-17457-05, "Origins and Development of Ingestive Behaviors." 1986-90; \$322,160.

Council of University Research Institute Administrators, Northwestern State University Intramural Funding. "Development of Ingestive Behavior Controls." 7/1/89-12/31/90; \$1920.

"CNS Correlates of Nutrient-Detecting Processes Involved in the Control of Ingestion by Preweanling Rats" 7/1/94-6/30/96; \$1925. Related project 7/1/98-6/30/99; \$1991.

OTHER GRANT SUPPORT – for Educational Enhancement

Louisiana Board of Regents Support Fund. Co-PI with Dr. Patricia Phelps as Principle Investigator. "Enhancing Instruction of Genomic and Molecular Biology." 7/1/00-6/30/01; \$90,000.

Northwestern State University Student Technology Fee Allocation. Co-PI with Dr. Patricia Phelps. "Computer, Imaging, and Analysis in a Biology Laboratory. 2000-2001. \$21,716.

OTHER PROFESSIONAL EXPERIENCE

Reviewer: Instructional Scientific Education Program, NSF.

Reviewer for Scientific Journals: American Journal of Physiology:Regulatory Integrative Comp. Physiol., Behavioral Neuroscience, Physiology and Behavior, Developmental Psychobiology, and Nutritional Neuroscience

SOCIETIES

American Association for the Advancement of Science, International Brain Research Organization, Sigma Xi (President of local chapter), Society for Neuroscience, Society for the Study of Ingestive Behavior, Phi Kappa Phi Honor Society.

PUBLICATIONS

- Phifer, C.B. and D.J. Prior. (1985) Body hydration and haemolymph osmolality affect feeding and its neural correlate in the terrestrial gastropod, Limax maximus. J. Exp. Biol. 118:405-421.
- Phifer, C.B., C.R. Sikes and W.G. Hall. (1986) Ingestive controls in 6-day-old rat pups: termination of intake by gastric fill alone? Am. J. Physiol. 250 (Regulatory Integrative Comp. Physiol. 19): R807-R814.
- Phifer, C.B., J.A. Browde and W.G. Hall. (1986) Ontogeny of glucose inhibition of independent ingestion in preweanling rats. Brain. Res. Bull. 17:673-679.
- Phifer, C.B. and L.M. Terry. (1986) Use of hypothermia for general anesthesia in preweanling rodents. Physiol. Behav. 38:887-890.
- Phifer, C.B. and W.G. Hall. (1987) Development of ingestive behavior. In: N.E. Rowland and F. Toates (Eds.) Feeding and Drinking, Elsevier, Amsterdam, pp. 189-229.
- Phifer, C.B. and W.G. Hall. (1988) Ingestive behavior in preweanling rats: the emergence of postgastric controls. Am. J. Physiol. 255 (Regulatory Integrative Comp. Physiol. 24): R191- R199.

PUBLICATIONS (cont.)

- Phifer, C.B. (1991) The study of early feeding and drinking behaviors. In: H.N. Shair, G.A. Barr and M.A. Hofer (Eds.) Developmental Psychobiology: New Methods and Changing Concepts, Oxford University Press, New York, pp. 189-205.
- Phifer, C.B., M.D. Ladd and W.G. Hall. (1991) Effects of hydrational state on ingestion in infant rats: Is dehydration the only ingestive stimulus? Physiol. Behav. 49: 695-699.
- Phifer, C.B., A. Denzinger and W.G. Hall. (1992) The early presence of food-oriented appetitive behavior in developing rats. Devel. Psychobiology. 24:453-461.
- Phifer, C.B. and D. Lorenz. (1997) Anesthesia procedures for use in rat pups and other immature rodents: Methoxyflurane, CO₂, and hypothermia. In P.J. Wellman (Ed.), Society for the Study of Ingestive Behavior: Ingestive Behavior Protocols, SSIB: New York.
- Phifer, C.B. (1997) Duodenal infusion cannula for rat pups: Fabrication, installation, and experimental protocol. In P.J. Wellman (Ed.), Society for the Study of Ingestive Behavior: Ingestive Behavior Protocols, SSIB: New York.
- Phifer, C.B. (1997) Gastric fistula for use in sham-feeding procedure with rat pups. In P.J. Wellman (Ed.), Society for the Study of Ingestive Behavior: Ingestive Behavior Protocols, SSIB: New York.
- Phifer, C.B. and H.-R. Berthoud. (1998) Duodenal nutrient infusions differentially affect c-FOS expression in dorsal vagal complex of rats. Am. J. Physiol. 274 (Regulatory Integrative Comp. Physiol. 43):R1725-R1733.
- Berthoud, H.R., T. Earle, H. Zheng, L.M. Patterson, and C.B. Phifer. (2001) Food-related gastrointestinal signals activate caudal brainstem neurons expressing both NMDA and AMPA receptors. Brain Research 915:143-154.
- Zheng, H., M.M. Corkern, S.M. Crousillac, L.M. Patterson, C.B. Phifer, and H.R. Berthoud. (2001) Neurochemical phenotype of hypothalamic neurons showing Fos expression 23 h after intracranial AgRP. Am. J. Physiol. 282 (Regulatory Integrative Comp. Physiol.): R1773-R1781.

- Vrang, N., C.B. Phifer, M.M. Corkern, and H.R. Berthoud. (2003) Gastric distension induces c-Fos in medullary GLP-1/2-containing neurons. *Am. J. Physiol.* 285 (Regulatory Integrative Comp. Physiol.): R470-R478.
- Zheng, H., L.M. Patterson, C.B. Phifer, and H.R. Berthoud. (2005) Brainstem melanocortineric modulation of meal size and identification of hypothalamic POMC projections. *Am. J. Physiol.* 289 (Regulatory Integrative Comp. Physiol.): R247-R258.
- Phifer, C.B. and C.A. Crady. Intestinal infusions of glucose inhibit ingestion by rat pups. In revision for Physiology and Behavior.
- Phifer, C.B., and R.M. Schulz. Development of α -gustducin in vallate papillus taste buds of rats. Manuscript in preparation for submission to Behavioral Neuroscience.

PRESENTATIONS AT INTERNATIONAL, NATIONAL, AND REGIONAL MEETINGS

(Not including N.S.U. Research Day presentations)

- Phifer, C.B. (1979) Distance chemoreception in the predator-prey relationship of Melongena corona and Littorina irrorata. (Gastropoda: Prosobranchia) J. Elisha Mitchell Sci. Soc. 95:127.
- Phifer, C.B. and D.J. Prior. (1982) Dehydration-induced reduction of feeding behavior in Limax maximus. Assoc. of Southeastern Biologists Bull. 29:78.
- Phifer, C.B. and D.J. Prior. (1982) Dehydration-induced modification of feeding and its neural correlate in the slug, Limax maximus. Soc. Neurosci. Abstr. 8:901.
- Phifer, C.B. and D.J. Prior. (1983) Dehydration induces osmotically mediated changes in feeding behavior and its neural correlate in the slug, Limax maximus. Ann. Meeting Midwest Neurobiologists.
- Phifer, C.B. and W.G. Hall. (1985) Cholecystokinin and bombesin: modulation of ingestion in developing rats. Appetite 6:192.
- Phifer, C.B. and W.G. Hall. (1984) Cholecystokinin and bombesin: Differential effects on ingestion in young and pre-weanling rats. Internat. Soc. Devel. Psychobiol., Baltimore, MD.
- Sikes, C.R., C.B. Phifer and W.G. Hall. (1985) Ingestion in infant rats: Role of preabsorptive cues. Proc. Eastern Psychol. Assoc. 55:87-88.
- Phifer, C.B., C.R. Sikes and W.G. Hall. (1985) Gastric and neurohormonal control of ingestion in a model development system. Animal Behavior Society, Raleigh, NC.
- Phifer, C.B., C.R. Sikes and W.G. Hall. (1985) Satiety in 6-day-old rat pups: Is gastric distension the only cue? Soc. Neurosci. Abstr. 11:59.
- Phifer, C.B., C.R. Sikes, J.A. Browde and W.G. Hall. (1985) Simplified control of ingestion in young rat pups. Soc. Neurosci. Satellite Symposium, "Mechanisms of Appetite and Obesity." San Antonio, TX.
- Phifer, C.B., C.R. Sikes, J.A. Browde and W.G. Hall. (1986) Development of nutritive controls of food intake in preweanling rats. Proc. Eastern Psychol. Assoc. 56:49.
- Phifer, C.B., J.A. Browde and W.G. Hall. (1986) Postgastric nutritive signals affect intake in rats by 15 days of age. IXth Internat. Conf. on the Physiol. of Food and Fluid Intake (ICPFFI 9). Seattle, WA. Appetite 7:287.
- Terry, L.M., C.B. Phifer and W.G. Hall. (1986) Autoradiographic analysis of the neural correlates of ingestion and behavioral activation in 6-day-old rat pups. Soc. Neurosci. Abstr. 12:1551.
- Phifer, C.B. and W.G. Hall. (1986) Development of ingestive behavior controls in infant rats. Amer. Zool. 26:119A.
- Phifer, C.B. and W.G. Hall. (1986) Ontogeny of pregastric and postgastric controls of independent ingestion in rats. Internat. Soc. Devel. Psychobiol., Annapolis, MD.

- Phifer, C.B., M.D. Ladd and W.G. Hall. (1987) Initiation of feeding in rat pups: Developmental differences in hydrational and nutritional effects. Soc. Neurosci. Satellite Symposium "Appetite, Thirst and Related Disorders". San Antonio, TX.
- Phifer, C.B., L.M. Terry and W.G. Hall. (1987) Ingestion-associated changes in brainstem sensorimotor activity as revealed in composite (¹⁴C) 2-deoxyglucose autoradiographs from 6-day-old rat pups. Soc. Neurosci. Abstr. 13:462.
- Phifer, C.B. and W.G. Hall. (1988) Changes in brainstem metabolic activity associated with gastric distension in 6-day-old rat pups: an analysis of averaged 2-deoxyglucose autoradiographs. Soc. Neurosci. Abstr. 14:199.
- Phifer, C.B. (1990) Comparison of brainstem metabolic activity associated with sham and normal feeding. Soc. Neurosci. Abstr. 16:295.
- Phifer, C.B. and F.H. Perkins. (1991) Blood glucose level affects ingestion in the gastropod, Limax flavus. Soc. Neurosci. Abstr. 17.
- Phifer, C.B. and W.G. Hall. (1991) Effects of gastric distension on metabolic activity in the brainstem. Amer. Soc. Zool. 31:17A.
- Phifer, C.B. and Y.M. Fortenberry. (1992) Gastropods and rodents as ingestive behavior models: "Snacks and snails and rat tales". Society for the Study of Ingestive Behavior. Princeton, NJ.
- Phifer, C.B., F.A. Feng, and K.L. Hensel. (1993) Control of intake by preweanling rats: preabsorptive vs. postabsorptive cues? Eleventh Internat. Conf. on the Physiology of Food and Fluid Intake (ICPFFI 11). University of Oxford, England.
- Phifer, C.B. and G.C. Garlington. (1993) Diencephalic activity associated with sham and normal feeding in rat pups: A 2-deoxyglucose autoradiographic study. Soc. Neurosci. Abstr. 19:584.
- Phifer, C.B. (1995) Intestinal infusions of glucose inhibit ingestion by rat pups. Joint Meeting of the North American Association for the Study of Obesity and the Society for the Study of Ingestive Behavior, Obesity Research 3(3):325s.
- Phifer, C.B. and C.A. Crady. (1995) Metabolic activity in the brainstem associated with intestinal infusions of glucose versus saline in rat pups. Soc. Neurosci. Abstr. 21:1029.
- Phifer, C.B. and A.M. Nance. (1996) Metabolic activity in the midbrain and forebrain associated with intestinal infusions of glucose versus saline in rat pups. Soc. Neurosci. Abstr. 22:1411.
- Phifer, C.B. and H.-R. Berthoud. (1997) Differential effects of intraduodenal nutrient infusions on suppression of sham feeding and c-FOS expression in dorsal vagal complex of rats. Society for the Study of Ingestive Behavior. Johns Hopkins University, Baltimore, MD.
- Phifer, C.B. and H.-R. Berthoud. (1997) Duodenal nutrient infusions differentially affect c-FOS expression in dorsal vagal complex nuclei of rats. Soc. Neurosci. Abstr. 23:576.
- Phifer, C.B., A.E. Willing, and H.-R. Berthoud. (1998) Comparison of brainstem C-Fos expression induced by duodenal nutrients and gastric distension. Twelfth Internat. Conf. on the Physiology of Food and Fluid Intake (ICPFFI 12). Pecs University, Hungary.
- Phifer, C.B., C.G. Wallis, and H.-R. Berthoud. (1999) Duodenal nutrient infusions differentially affect c-Fos expression in adult rat brain. Society for the Study of Ingestive Behavior. Clearwater Beach.
- Berthoud, H.-R., H. Zheng, L.M. Patterson, and C.B. Phifer. (1999) Organization of vagal afferent pathways from gut to brain. Big Brain-Little Brain Symposium VI. Biezen, Belgium
- Phifer, C.B., S.M. Crousillac, and K.A. Cahalan. (2000) Duodenal glucose infusions inhibit feeding and trigger c-Fos in the NTS of 15-day-old but not 6-day-old rat pups. Soc. Neurosci. Abstr. 26:1339.
- Patterson, L.M., H. Zheng, M. Corkern, S. Crousillac, C.B. Phifer, and H.-R. Berthoud. (2001)

- Neurochemical phenotype of hypothalamic neurons exhibiting prolonged c-FOS expression induced by ICV Agouti-related protein. North American Association for the Study of Obesity (NAASO). October, 2001, Quebec City.
- Zheng, H., L.M. Patterson, T.B. Antolik, C.B. Phifer, and H.-R. Berthoud. (2001) Role of hindbrain CART in satiation: Contribution of vagal, local, and descending inputs to CART expression in NTS subnuclei and effect of local injections. *Soc. Neurosci. Abstr.* 27:636.2.
- Berthoud, H.-R., L.M. Patterson, S. Crousillac, T. Earle, and C.B. Phifer. (2001) Integration of gastrointestinal- and longer-term satiety signals in the rat hypothalamus and amygdala: Gastric distension induced FOS expression in CART, CART/POMC and other neuronal phenotypes. *Soc. Neurosci. Abstr.* 27:946.7.

TEACHING EXPERIENCE

- Florida State University, Tallahassee, FL
General Biology labs
Vertebrate Physiology labs
Marine Biology Saturation course, 15 credits, for undergraduates and graduates
- College of the Albemarle, Elizabeth City, NC
General Biology with labs
Nutrition
Medical Terminology
Special Topics in Biology
- University of Kentucky, Lexington, KY
General Biology - majors and non-majors sections, lectures and labs
Invertebrate Zoology labs
Comparative Neurobiology and Behavior - lectures and labs
Comparative Anatomy labs
- Duke University, Durham, NC
Methods in Behavioral Neurobiology
Seminar in Developmental Psychobiology
- Louisiana Scholars' College, Northwestern State University, Natchitoches, LA
General Biology with labs - majors
Science seminars
Form and Function in Biological Systems
Comparative Neurobiology with lab
Darwin and Evolutionary Theory
Developmental Biology
Invertebrate Zoology
Human Anatomy
Texts and Traditions I: The Shaping of Western Thought (Great books course including ancient myths, texts from antiquity, and classical Greece and Rome)
Direction of Senior Research Theses

SENIOR THESES AND MAJOR PROJECTS

1990-91

- Carter, Elizabeth Bonnette. An Investigation of Blood Pressure Responses: Effects of Ventilatory Training During Isometric Exercise.
- Perkins, Frederick H., Jr. The Effect of Glucose on Feeding Behavior in the Slug (Limax flavus).

Schaffer, Richard S., Jr. The Effects of Carbohydrates on Ingestive Behavior in Rat Pups.
Troxler, Mark Antony. Effect of Anoxia and Glucose Deprivation on Creatine Kinase Levels of Adult and Immature Rat Hearts.
Wyatt, David Neal. The Effect of Stress on Physical Health in Adolescents in an Academically Accelerated High School.

1991-92

Blanchard, Mary. The Effect of Stress on the Adolescent Population: A Comparison between Academically Accelerated High School Students and Conventional High School Students.
Choe, Ella U. The Role of Lipids in the Ingestion of Rat Pups.
Feng, Felicia A. The Relative Roles of Pre- and Postabsorptive Cues in Nutrient-Induced Inhibition of Ingestion in Rat Pups.
Fortenberry, Yolanda M. The Relationship between Blood Glucose and Feeding Behavior in the Slug (*Limax flavus*).
Winter, William E. III. Effects of Gastric Distention on Functional Neural Metabolism in the Central Nervous System of Infant Rats. (Presented at National Conference on Undergraduate Research.)

1992-93

Falgout, Jeffrey T. Nesting Season Habitat of Eastern Wild Turkey Hens (*Meleagris gallopavo Silvestris*) in National Red Dirt Wildlife Management Preserve.
Hensel, Kendi S. The Effects of 2-Deoxyglucose-Induced Glucoprivation on Ingestive Behavior in Preweanling Rat Pups.
Hummel, Patrick. Concepts versus Applications: Instructional Techniques in Computer Literacy Training. (Presented at National Conference on Undergraduate Research.)
Sonnier, Louicreacy A. The Hawthorne Effect and People's Perception of Nursing Home Health Care. (Two semester research project and major paper.)
Sengupta, Pallab. Revolutionary Coincidences: Simultaneous Discoveries in Science. (Two semester project and major paper. Presented at National Conference on Undergraduate Research.)

1993-94

Lewis, Slade. Role of Flexibility and Strength Conditioning in the Prevention of Ankle Injuries in Athletes.
Rose, David. Effects of the Metabolic Inhibitors, 2,5-Anhydro-D-Mannitol and L-Ethionine, on Ingestion by Rat Pups.
Wingard, Amy. Effects of Topical Anesthesia on Inhibition of Ingestion by Nutritive Infusions in Rat Pups.

1994-95

Crady, Craig A. Analysis of Brainstem Metabolic Activity Associated with a Known Metabolic Cue.

1995-96

Nance, April. An Analysis of Metabolic Activity in the 15-Day-Old Rat Pup Brain Related to Nutritive Stimuli in the Gut: Mesencephalic and Telencephalic Study.

1996-97

Cutting, Eva J.M. Development of Taste Sensitivity to Artificial Sweeteners in Rat Pups.
Honore, Heather H. Effects of Duodenal Infusions of the Non-nutritive Sweetener, Sodium Saccharin, on the Feeding Behavior of Fifteen-Day-Old Rat Pups.

1997-98

Cahalan, Kieran. Behavioral and CNS responses to Duodenal Nutrient Infusions in 15-day-old Rat Pups.

Wallis, Carrie. Effects of Intestinal Nutrients on Midbrain Neural Activity in Adult Rats.

1998-99

- Brashears, Reta. Duodenal Nutrient Infusions Contribute to C-Fos Expression in the Nucleus of the Solitary Tract and the Area Postrema of the Brainstem in 15 Day Old Rat Pups.
- Earle, Trey. Effects of Intestinal Nutrients on Forebrain Neural Activity in Adult Rats.
- Fabre, Jenifer. Analysis of Ethics Codes for Institutional Review Boards and Problems Associated with Human Subject Research.
- Schulz, Randal. Histological Study of α -Gustducin in the Intestine and Tongue of Adult, 15 and 6-Day-Old Rat Pups.
- Songy, Kasey. Effects of Mental Imagery on Test Anxiety in College Students.
- 1999-00
- Crousillac, Scott. Development of Neural and Behavioral Effects of Duodenal Infusions of Nutrients in Rat Pups.
- Dugal, Melissa. Neural Pathways that Mediate Central nervous System Responses to Nutrients in the Intestine.
- 2000-2001
- Benoit, Clint. Involvement of Catecholaminergic Neurotransmitters in Central Nervous System Responses to Intestinal Nutrients in Adult Rats.
- 2001-2002
- Breaux, Tasha. Creating a Hybrid Fly Line for Use in Determining a Mechanism for Trans-Inactivation.
- Chiquet, Brett. Forebrain Neural Activity of Six- and Fifteen-Day-Old Rat Pups in Response to Duodenal Nutrient Infusions.
- Davies, Andrew. A Comparison of Knowledge and Opinions Concerning Advance Laboratory Procedures as Evaluated through Pre and Post Lab Surveys.
- Gore, Steven. An Investigation of Heat Shock Protein 70 and 90 Production in Heat-Acclimated Rat Hearts.
- Heiskell, Melody. Synthesis and Characterization of N-ethyl-(4-methyl-6-nitro-quinolin-2-yl)-amine and N-cyclohexyl-(4-methyl-6-nitro-quinolin-2-yl)-amine.
- LeBlanc, Dana. Adhesion of *Candida albicans* to Lung Epithelial and Brain epithelial Cell Lines and the Development of an In vitro Blood-Brain Barrier Model.
- Pellegrin, Jennifer. The Synthesis of Heterobimetallic Complexes of Group 6 Arenes.
- Stewart, Gaynelle. Molecular Genetic Analysis of Mutants of *Methylinosus trichosporium* Having Lost Expression of a Particulate Membrane Bound Methane Monooxygenase.
- 2002-2003
- Billioux, Alexander. The Development and Optimization of a Real-Time Quantitative Polymerase Chain Reaction Assay for the Detection and Quantification of Human Genomic and Partial Genomic DNA in a Multi-Species Mixture of DNAs.
- Cason, Amanda. Synthesis of Tellurim Ligand Complexes Organtellurim (IV) For Use in Semiconductors.
- Hernandez, Sally. Selection and Application of the hlyA in the Detection of *Listeria monocytogenes* using a Real-Time Polymerase Chain Reaction 5' Nuclease Assay.
- Landry, Sara Danielle. Development of Behavioral Effects of Duodenal Infusions of Sucralose, Glucose, and Water in Rat Pups and Rats.
- Stokey, Jennifer. Methylenetetrahydrofolate Reductase C677T and Methionine Synthase Reductase A66G Polymorphisms and Cancer.
- 2003-2004
- Edgeron, Deon. The Toxicity of Aatrex and Resistox Compounds and Activation of the p83 Mitogen-Activated Protein Kinase Pathway by 2,3,4-tris-(glutathione-S-yl)hydroquinone in LLC-PK₁ Cells.
- Jones, Amanda Lynn. The Selective Inhibition of Respiratory Complexes I and II While Stimulating the Enzyme mtNOS and the Subsequent Measurements of Oxidative Stress.

Monroe, Jared Allen. The Roles of N-Methyl-D-Aspartate Receptors and Aquaporin 4 in Brain Edema Formation Following Cardiac Arrest in Rats.

Norwood, Jonathan. College Bytes: A Study of Internet Addiction on a University Campus. 2004-2005

Gay, Bridgette Jeanne. The Role of TAP Protein and MHC-1 Expression in the Immune Response to Cancer. 2005-2006

Pitre, Aaron. Measuring Protein Expression by Quantification of Western Blotting.

Pruett, Brandon Scott. An Animal Model for Detrimental and Beneficial Effects of Ethanol with Regard to the Cute Phase Response.

Soileau, Amy. The Effects of Ethanol and Peritonella Macrophage Expression of MRP8 in LPS and Poly(I:C)-Treated Mice 2006-07

Deculus, Karisa. Using Artificial Neural Networks to Analyze Mouse Immune Reactions upon Injection of Immunotoxic Chemicals and a Pathogen.

Scott, Asia. The Effect of Oncolytic Adenoviruses on Head and Neck Squamous Cell Carcinoma. 2007-08

Theses in progress

Nunez, Lauren.

Pruden, Marlinda.

UNIVERSITY SERVICE

N.S.U. Faculty Senate President (1999-00 and 2000-01)

N.S.U. Curriculum Review Committee (1999-00 and 2000-01)

N.S.U. Faculty Recognition Council, Chair (1999-00 and 2000-01)

N.S.U. Human Subjects Institutional Review Board, Chair (Fall 2003 – Present)

N.S.U. Faculty Senator for the Louisiana Scholars' College (Fall 1993-Spring 95, Fall 1998-Spring 99)

Louisiana Scholars' College Curriculum Committee (Fall 1989-Spring 93)

Council for University Research Administrators (administers intramural research grants and University Research Day, Fall 1994-Spring 97)

Louisiana Scholars' College Honor Panel (developed Honor Code for the College and served as Panel chair for two years – Fall 1989-Spring 92)

University Committee on Grants and Contracts

President of N.S.U. Sigma Xi Chapter (Fall 1992-Present)

Russell Hall Renovation Committee (Fall 1992-Spring 94)

Century '21 Fundraising Committee for University (Fall 1992-Spring 93)

Louisiana Scholars' College Promotion and Tenure Committee (Fall 1996-Spring 99)

Southern Association of College and Schools Accreditation Self-Study (Fall 1994-Spring 95)

Advisor, Mu Epsilon Delta (Pre-Med Club, 15+ years)

Institutional Animal Care and Use Committee (IACUC – 8+ years)

N.S.U. Human Subjects Institutional Review Board (Fall 1997 – Present)

Louisiana Scholars' College Admissions Committee (Spring 1997- Spring 2000)

Various search committees ranging from faculty to Dean to Provost