

Terri L. Cravener

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Personal Statement: I have participated in many research programs at Penn State, all of which were related to food production and nutrition. Past studies investigated topics such as animal production and processing, food product taste testing and marketing, organic product development and alternative energy uses in agriculture. My current position as a Human Technologist 5 focuses on obesity prevention by investigating eating behavior, portion size, manipulation of obesogenic environments and spices in high school cafeteria recipes. Another important characteristic of both past and present positions is the enjoyment I have found in teaching, training, feeding and working with students.

Current Position:

2012-present Human Research Technologist 5- Health & Human Development
Kitchen Manager and Research Coordinator
Metabolic Kitchen and Children's Eating Behavior Laboratory,
Pennsylvania State University, Nutritional Sciences Department

Examples of Human Research Technologist 5 Position Responsibilities:

- In general, provide leadership by tracking progress and deadlines of multiple ongoing projects. Supply supervision, budget allocation, inventory control, SOP guidelines, cash settlement logs, coordination with other offices and analysis, documentation and presentation of results. Inventory must include consistent, high quality kitchen and food supplies for long term studies.
- Develop a laboratory website (<http://nutrition.psu.edu/childrens-eating-lab>) and establish a cost center.
- Support, train, and motivate numerous high school, undergraduate, and graduate level students. Currently supervise 15 students and staff members.
- Specifically, we have just begun year three of a five year NIH project. Because of the complexity introduced with the use of human participants and government funding oversight, extremely detailed IRB paperwork and technical training manuals are required.
- Because the research involves children, documentation must be filed and updated for many separate certificate programs and background checks. Due to the nature of our work force, new students cycle in and must be brought up to speed on certifications and training quite frequently.
- Co-author grants, abstracts, posters, and manuscripts. Contribute to magazine articles, posters, symposium proceedings, and progress reports.

Past Positions:

1989-2012 Research Technologist 4- Agricultural Sciences
Senior Research Staff
Pennsylvania State University, Poultry Science Department

- Maintain notebooks for project results, budgets, Laboratory Safety, and Chemical Inventory.
- From 1986 through 2012, submitted and maintained IACUC approval paperwork for a busy animal research and extension laboratory.
- Prepared multimedia presentations, conducted class demonstrations (Past Examples: Animal Science 301, 311, 411, 597A and Food Science 207, 208) and facility tours.
- Assisted with conferences as needed, such as the PA Poultry Sales & Services and PA Game Bird annual meetings.

1986-1988 Graduate Research Assistant- Agricultural Science, Pennsylvania State
University, Poultry Science Department

1982-1986 Part time positions on a dairy Farm, a swine farm, and as a
Utility Worker, Peoples' Natural Gas Company

Education:

B.S., Animal Production, Pennsylvania State University
M.S., Nutrition, Pennsylvania State University

Certifications:

ServSafe Food Protection Manager
Serving It Safe Food Safety Certification
Principles of HACCP Certification
Pennsylvania Egg Quality Assurance Certification
Poultry Health Technician Certification

Current Research Projects:

Metabolic Kitchen and Children's Eating Behavior Laboratory Penn State University, Nutritional Sciences (2012-current)

- Behavioral Economics intervention to increase children's vegetable intake
- Children's food sensory taste testing
- fMRI Analysis of children's brain responses to meal portion size, caloric density and fat levels
- School cafeteria vegetable recipes
- Marketing effects of branding and commercial advertising on children's food preferences

- Calorie compensation

**Poultry Extension and Research Laboratory
Penn State University, Poultry Science (2004-2012)**

- Evaluation of nutritional supplements and by-product inclusion in laying hen, broiler and turkey diets
- Specialty shell eggs, including pasture-fed organic egg production
- Pre- and post-harvest food safety
- Small flock salmonella control
- Management techniques
- Litter types and amendments
- Equipment and genetic strain production performance
- Euthanasia equipment and protocols
- Vegetative buffers and fan systems
- Alternative fuel systems for brooding birds

**Research Laboratory of William B. Roush
Penn State University, Poultry Science (1989-2004)**

- Operations Research analysis techniques in agriculture, including Stochastic feed formulation
- Pareto analysis of quality control in processing plants
- Artificial Neural Networks prediction of feed ingredient nutrient levels, weight gain and bird disease incidence and category
- Reduction of Environmental Nutrient Pollution
- Decision analysis for evaluation of commercial laying hen strains, colony size and cage space
- Animal welfare topics such as population density

**Research Laboratory of Dr. R. Vasilatos -Younken
Penn State University, Poultry Science (1988-1989)**

- Surgical methods to catheterize and infuse broiler chickens with Growth Hormone

Publications List Available