

## USDA-ARS Peanut Resources/Contacts

### **USDA-Agricultural Research Service (ARS)**

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### **ARS National Peanut Research Laboratory**

Dr. Marshall C. Lamb, Research Leader  
1011 Forrester Dr., SE  
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Dawson, GA 39842-0509  
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**Mission:** The National Peanut Research Laboratory consists of several research thrusts including environmental research, systems research, flavor/quality research, peanut grading research, storage research and mycotoxin research with particular emphasis on aflatoxins. The Laboratory conducts research toward improving quality, cleaning, storing and marketing of peanuts. Research is oriented toward solving the major problems confronting the peanut producer, handler, manufacturer, and the consumer.

### **ARS Wheat, Peanut and Other Field Crops Research Unit**

Dr. Norman C. Elliott, Research Leader  
1301 N. Western Rd.  
Stillwater, OK 74075-2714  
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**Mission:** Develop cereal crop germplasm with inherent protection against insects and environmental growth stresses by using genetic techniques; define biological and cultural control methods, life histories, genetics, biochemical interactions, and economic importance and develop improved agroecosystem management systems; develop basic peanut germplasm for use in breeding programs to improve peanut cultivars in Southwest peanut-growing areas, with emphasis on host resistance to disease, environmental stress, and nutritional qualities; and develop basic knowledge of mechanisms that convey resistance in peanut to diseases and environmental stress.

### **ARS Crop Genetics and Breeding Research Unit**

Dr. Corley Holbrook, Research Leader  
115 Coastal Way  
Plant Science Building  
P.O. Box 748  
Tifton, GA 31793  
Phone: (229) 386-3353

Corley.Holbrook@ars.usda.gov

**Peanut Mission:** Develop peanut germplasm with resistance to preharvest aflatoxin contamination; develop peanut germplasm with resistance to the root-knot nematode; and develop improved methods for using the national peanut germplasm collection.

#### **ARS Crop Protection and Management Research Unit**

Dr. Brian Scully, Research Leader  
2747 Davis Road  
P.O. Box 748  
Tifton, GA 31793  
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Brian.Scully@ars.usda.gov

**Peanut Research:** Identify the mechanisms of resistance to insects, nematodes, and aflatoxin formation in peanuts and develop molecular markers that can be used in marker-assisted selection for resistance.

#### **ARS Food and Feed Safety Research Unit**

Deepak Bhatnagar, Research Leader  
1100 Robert E. Lee Blvd.  
Southern Regional Research Center  
New Orleans, LA 70124  
Phone: (504) 286-4388  
Deepak.Bhatnagar@ars.usda.gov

**Peanut Research:** Controlling Aflatoxin production in peanuts and other crops; and assisting other scientists to prevent preharvest infection by *Aspergillus flavus* in peanuts through biotechnology (sequencing of expressed genes, exchange of genes, improving transformation and evaluation strategies).

#### **ARS Food Processing and Sensory Quality Research Unit**

Dr. Elaine Champagne, Research Leader  
1100 Robert E. Lee Boulevard  
Southern Regional Research Center  
New Orleans, LA 70124  
Phone: (504) 286-4448  
Elaine.Champagne@ars.usda.gov

**Peanut Research:** Identify and compare structural, chemical, functional, and immunological characteristics of peanuts; primary and secondary prevention of peanut and tree nut allergies; develop and improve immunoassays for detecting peanut and/or tree nut, and soy allergen residues before and after processing; and develop processing technologies for peanut products with reduced allergenic properties.

### **ARS Coastal Plains Soil, Water, and Plant Research Center**

Dr. Patrick Hunt, Research Leader  
2611 West Lucas Street  
Florence SC 29501  
Phone: (843) 669-5203  
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**Peanut Research:** Develop peanut production systems for humid areas based on site-specific water and nutrient applications.

### **ARS Market Quality and Handling Research Unit**

Dr. Timothy Sanders, Research Leader  
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Phone: (919) 515-6312, (919) 856-4493

Dr. Jack Davis, Research Food Technologist  
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Dr. Lisa Dean, Research Food Technologist  
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North Carolina State University  
Raleigh, NC 27695-7624

**Mission:** Enhance flavor and shelf-life of domestic and exported peanuts and peanut products by developing improved methods for handling and roast processing of peanuts; determine and evaluate peanut components that contribute to consumer nutrition and health; evaluate and use genetic/genomic resources to improve market quality; and develop value added processing of peanut components.

### **ARS Plant Genetic Resources Conservation Unit**

Dr. Gary Pederson, Research Leader  
1109 Experiment Street  
Griffin, GA 30223  
Gary.Pederson@ars.usda.gov  
Phone: (770) 228-7254

**Mission:** Acquires, characterizes, conserves, evaluates, documents, and distributes genetic resources of agronomic and horticultural crops including peanuts, sorghum, vegetables, subtropical and tropical legumes, warm-season grasses, cowpeas, annual clovers, new crops, other crops, and their wild relatives.

### **ARS Quality and Safety Assessment Research Unit**

Dr. Samir Trabelsi  
Research Electronics Engineer  
Richard B. Russell Agricultural Research Center

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Athens, Georgia 30605  
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**Peanut Research:** Develop cost-effective systems and sensors for measuring moisture content and density of cereal grains, oilseeds and nuts that can be used in processing applications; develop tools for moisture measurement of shelled and unshelled peanuts that can be used in the field and at peanut grading stations; improve peanut grading processes; and develop methods for monitoring water migration in almonds and other nuts and its effect on their quality.