









The Texas A&M University System

#### L. Diane Hurtado

Associate Vice Chancellor for National Laboratories Management

National Laboratories Office The Texas A&M University System https://nationallabsoffice.tamus.edu/

**Texas A&M System National Laboratories Office Mission** 

Serve the nation by expanding engagement between Texas A&M System faculty, staff and students and the national laboratories



### **Texas A&M System National Laboratories Office Leadership**



M. Katherine Banks Vice Chancellor of Engineering and National Laboratories • Overall responsibility for

- execution of Texas A&M System national laboratory engagement
  Principal executive engaged with
- Triad National Security, LLC (Triad) • Serves on the Triad Board of
- Serves on the Triad Board of Directors



L. Diane Hurtado Associate Vice Chancellor for National Laboratories Management

- Primary point of contact and facilitator for Texas A&M System national laboratory engagement
- Liaison to the Los Alamos National Laboratory (LANL) leadership team and Triad Board and Committees



Julia Pierko Director of Program for International Nuclear Energy • Leads initiatives to pursue safe and secure uses of nuclear sciences and

- nuclear sciences and technology Primary point of contact for international
- engagement in nuclear energy



#### Marvin Adams Director of Research and Education to Advance Laboratory Missions

- Facilitates engagement of Texas A&M System researchers and educators with national laboratories
- Chair of Triad Mission Committee



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## LANL Overview

- 40 square miles
- 47 technical areas
- 1,280 buildings / 9M sq. ft.
- 11 nuclear facilities
- 268 miles of roads
- 8,750 career employees / 12,000 workers on site
- 2,100 R&D scientists
- 1,100 veterans
- 390 postdocs
- \$2.6B budget







# LANL Collaborative Research Program

#### Goals:

- Develop collaborative ties with researchers at Los Alamos National Laboratory (LANL)
- Execute TAMUS-LANL collaborative research projects
- Formalize long-term relationships where appropriate

Three program elements for collaboration:

- Exploration mini-grants
  - Primarily for researchers who currently do not have collaborations at LANL
- Development fellowships
  - Primarily for researchers who have relationships at LANL
- Research project
  - Primarily for researchers with well developed relationships at LANL

## **Exploration Mini-Grants**

### Goal

- Grant for TAMUS researchers to spend time at LANL
  - Learn about LANL problem sets
  - Begin to develop long-term partnerships

### Requirements

- Applications accepted anytime
- TAMUS PI-eligible research faculty and staff
- Must have a LANL collaborator (we can help!)
- Deliverable short summary report after the visit

#### Awards

- Travel costs for a TAMUS researcher to visit LANL (up to \$1500)
- $\sim 25-30$  grants will be awarded



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### **Development Fellowships**

#### Goal

• Grant for TAMUS researchers to develop collaborative research partnerships in areas of joint interest to LANL and TAMUS

### Requirements

- Applications due October 15<sup>th</sup>, 2019
- TAMUS PI-eligible research faculty and staff
- LANL collaborator identified in proposal
- Deliverable to be specified in proposal (i.e. joint publication or joint proposal)

#### Awards

- Up to 1.5 months of salary for the TAMUS researcher
- Travel costs (up to \$5000) to visit LANL researcher(s) for several weeks
- Reviewers (TAMUS and LANL) will select ~ 8-10 proposals

### **Research Projects**

#### Goals

· Grant for multi-year research projects collaboratively executed by TAMUS and LANL

#### Requirements

- Applications due December 2<sup>nd</sup>, 2019
- PI-eligible research faculty and staff in every TAMUS component are eligible to apply
- TAMUS-LANL researchers have a history of partnership
- LANL leadership sees value in long-term relationships
- Proposed project designed to:
  - improve a key LANL capability and/or address a LANL mission need
  - in an area for which LANL has stable long-term funding
- Project engages graduate students with potential for LANL employment (pipeline)

#### Awards

- Funding levels sufficient to support:
  - · One graduate student
  - One month TAMUS researcher time
- Reviewers (TAMUS and LANL) will select ~2-3 proposals



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### Panel



Sunil Chirayath, Associate Professor of Nuclear Engineering



Cody Folden, Associate Professor of Chemistry



Melissa Grunlan, Professor of Biomedical Engineering



Justin Wilkerson, Assistant Professor of Mechanical Engineering



### **Contact Information**

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#### **National Laboratories Committee**

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