

## 2018 NISBRE WORKSHOP INFORMATION

### **Name, title, institution, and email address of each facilitator**

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**Session theme or topic:** “Designing and Troubleshooting Proteomics Experiments”

### **Session format (lecture, facilitated discussion, panel discussion, Q&A):**

We will use the first 1 hour to have 3 lectures on designing and troubleshooting experiments involving proteomics. Then, we will use the remaining 1 hour to break into focus groups and have attendees tell us about proteomics experiments they are setting-up and/or having issues with. We will provide them with feedback and suggestions.

### **Session title**

“IDeA National Resource for Proteomics: Designing and Troubleshooting Proteomics Experiments”

**Provide 3 anticipated participant learning outcomes:**

1. Effective design of proteomics experiments
2. Understanding and avoiding common issues in proteomic experimental designs and data analysis
3. One-on-one input for on-going proteomics studies

**Intended audience (INBRE, COBRE, CTR, students, faculty, PI's):**

The primary target will be faculty and PI's, but students could benefit if they have proteomics in their studies. This will be applicable to all funding mechanisms of the IDeA program.

**Abstract (200 Words):**

The focus of this proteomics workshop will be on proper experimental design for and troubleshooting of proteomics studies. This workshop will be given by members of the IDeA National Resource for Proteomics (<http://idearesourceproteomics.org/>). The workshop will be divided into a series of short lectures followed by breakout sessions. Lectures will cover experimental design for both discovery phase and targeted proteomic workflows. Breakout sessions will provide the opportunity for attendees to discuss and troubleshoot their on-going or planned proteomics studies with members of the IDeA National Resource for Proteomics. The IDeA National Resource for Proteomics is supported by the Arkansas INBRE (P20GM103429) and Oklahoma INBRE (P20GM103447).

**Additional Materials, Web Information or Additional Information:**

All workshop material will be made freely available on the website for the IDeA National Resource for Proteomics:

<http://idearesourceproteomics.org/>