

# IDeA National Resource for Proteomics Workshop for Faculty

## Tuesday, May 23

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Travel Residence Inn by Marriott- Downtown Little Rock  
219 River Market Avenue  
Little Rock, AR, 72201  
  
\*Please take a taxi or Uber from airport to hotel. Dinner will be on your own.

## Wednesday, May 24

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\*The hotel offers complimentary full breakfast. Breakfast will be on your own.

8:15am – 8:30am Board shuttle at hotel  
*\*Shuttle departs at 8:30am*

8:45am Arrive at UAMS- Dr. Tackett will meet you at drop-off point

9:00am – 9:15am Welcome and Description of the IDeA National Resource for Proteomics & Roundtable  
Introductions  
*Alan Tackett, PhD*

### **FUNDAMENTALS SESSION**

9:15am – 9:45am Basic Proteomic Workflow  
*Renny Lan, PhD*

9:45am – 10:15am Basics of a Mass Spectrometer  
*Rick Edmondson, PhD*

10:15am – 10:30am Break

10:30am – 11:00am Protein and PTM Identification  
*Sam Mackintosh, PhD*

11:00am – 11:15am Tours of Core Facility

11:15am – 11:45am Lunch

### **EXPERIMENTAL DESIGN SESSION**

11:45am – 12:15pm Global Proteomics  
*Sam Mackintosh, PhD*

12:15pm – 12:45pm Protein-protein interactions  
*Alan Tackett, PhD*

12:45pm – 1:00pm Break

1:00pm – 1:30pm	Protein-Crosslinking <i>Boris Zybailov, PhD</i>
1:30pm – 2:00pm	Phosphoproteomics <i>Rick Edmondson, PhD</i>
2:00pm – 2:30pm	Biomarker Discovery <i>Rick Edmondson, PhD</i>
2:45pm	Board shuttle at UAMS
3:00pm – 5:30pm	Free time *Suggested activities: Clinton Library (0.5 miles) Museum of Discovery (0.2 miles) Witt J. Stephens Central Arkansas Nature Center (0.2 miles) Arkansas River Trail, Riverfront Park, & Junction Bridge (0.3 miles)
5:30pm – 7:00pm	Group Dinner (meet at restaurant) <i>Flying Saucer</i> 323 President Clinton Avenue, Little Rock, AR, 72201

## Thursday, May 25

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\*The hotel offers complimentary full breakfast. Breakfast will be on your own.

8:15am – 8:30am	Board shuttle at hotel *Shuttle departs at 8:30am
8:45am	Arrive at UAMS- Dr. Tackett will meet you at drop-off point

### **QUANTITATIVE MASS SPECTROMETRY SESSION**

9:00am – 9:30am	Label-free Spectral Counting <i>Boris Zybailov, PhD</i>
9:30am – 10:00am	Label-free Peptide Intensity <i>Stephanie Byrum, PhD</i>
10:00am – 10:15am	Break
10:15am – 10:45am	SILAC and Tandem Mass Tags <i>Renny Lan, PhD</i>
10:45am – 11:15am	Targeted Mass Spectrometric Workflows <i>Mike Kinter, PhD</i>
11:30am – 12:00pm	Lunch

### **DATA ANALYSIS SESSION**

12:00pm – 12:30pm	Basics of Using Scaffold and Visualizing Data <i>Stephanie Byrum, PhD</i>
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12:30pm – 1:00pm	Bioinformatics for Proteomics <i>Stephanie Byrum, PhD</i>
1:00pm – 1:30pm	Overview of R for MS Applications <i>Aaron Storey, Graduate Student</i>
1:30pm – 1:45pm	Break
1:45pm – 2:15pm	Pathway Analysis <i>Galina Glazko, PhD</i>
2:15pm – 2:45pm	Free Software for Pathway Analysis <i>Yasir Rahmatallah, PhD</i>
2:45pm – 4:45pm	Small Group Discussions <i>Various</i>
5:00pm	Board shuttle at UAMS
5:30pm – 7:00pm	Group Dinner (meet at restaurant) <i>Damgoode Pies</i> <i>500 President Clinton Ave</i> <i>Little Rock, AR, 72201</i>

## Friday, May 26

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\*The hotel offers complimentary full breakfast. Breakfast will be on your own.

8:00am – 8:15am	Board shuttle at hotel ( <i>please check out prior to departure</i> ) <i>*Shuttle departs at 8:15am <b>traveling directly to LR Airport</b></i>
Travel	You may stay later at the hotel if you prefer. However, you will be responsible for getting to the airport.

### Contact Information

Sonet Smitherman  
Work: (501) 686-6181  
Email: [SMWeed@uams.edu](mailto:SMWeed@uams.edu)

Residence Inn  
(501) 376-7200