

PRELIMINARY DRAFT SCHEDULE- ACUBE 2019

Most sessions take place in either Life Sciences Complex, 110 College Place, Syracuse NY, 13210 or Sheraton Hotel – Syracuse University, 801 University Ave, Syracuse, NY 13210

Thursday, October 24th

6:00–7:30 pm ACUBE Steering Committee Meeting

Friday, October 25th

8:00–9:00 am Registration, Breakfast, and Poster Set-Up
9:00–9:45 am Welcoming Remarks and Meeting Orientation
10:00–10:40 am Concurrent Presentations and Round Table Discussions (40 minute sessions)
10:50–11:10 am Concurrent Presentations (20 minute Sessions)
11:20–11:40 am Concurrent Presentations (20 minute Sessions)
11:45–12:40 pm Lunch and movie sponsored by HHMI BioInteractive
12:50–1:00 pm Keynote Introduction
1:00–2:00 pm Keynote Presentation by Professor Michelle K. Smith, Cornell University
2:10–2:50 pm Concurrent Presentations and Round Table Discussions (40 minute sessions)
3:00–3:20 pm Concurrent Presentations (20 minute sessions)
3:30–4:50 pm Concurrent Presentations and Workshops (80 minute sessions)
5:00–6:00 pm Poster Session and Cocktail Hour sponsored by JoVE
6:00–8:30 pm Dinner

Saturday, October 26th

8:00–9:00 am Breakfast with Bioscene
9:20–10:00 am Concurrent Presentations and Round Table Discussions (40 minute sessions)
10:10–10:30 am Concurrent Presentations (20 minute Sessions)
10:40–11:20 am Concurrent Presentations and Round Table Discussions (40 minute sessions)
11:30–12:30 pm ACUBE Members Meeting
12:30–2:00 pm Lunch and Awards
2:20–3:40 pm Concurrent Presentations and Workshops (80 minute sessions)
3:50–5:10 pm Concurrent Presentations and Workshops (80 minute sessions)
5:30–6:30 pm Steering Committee Meeting

PRELIMINARY DRAFT SCHEDULE- ACUBE 2019

63rd Annual ACUBE Meeting Program
Syracuse University
Syracuse, New York
October 25th-26th, 2019

Thursday, October 25 th , 2019		
6:00–7:30 pm	Steering Committee Meeting	
Friday, October 25 th , 2019		
8:00–9:00 am	Registration, Breakfast, and Poster Set-Up	Sheraton Ballroom
9:00–9:45am	Welcoming Remarks and Meeting Orientation	Sheraton Ballroom
10:00–10:40 am	Concurrent Presentations and Round Table Discussions (40 minutes)	
	Authentic Assessments: Do your tests align with your teaching practice? Melissa Haswell, Ph.D. <i>Davenport University</i>	
	Motivational factors and barriers to faculty engaging in inclusive mentoring practices Brittney N. Wyatt ¹ , Rita Margarida Magalhães ¹ , Scott Franklin ^{1,2} , Dina L Newman ^{1,3} ¹ Center for Advancing STEM Teaching, Learning and Evaluation (CASTLE), ² School of Physics and Astronomy, ³ Thomas H. Gosnell School of Life Sciences, College of Science, Rochester Institute of Technology	
	New Approaches to Myoglobin Purification for Upper Level Laboratories James W. Clack, Ciara N. Phares, David Cool, & Mitali Madhok <i>Indiana University – Purdue University Columbus</i>	
	SUPA Biology Fall 2019 Seminar Meeting Jason R. Wiles & Eric Young, <i>Syracuse University</i>	
10:50–11:10am	Concurrent Presentations (20 minutes)	
	Scientific Writing in Introductory Biology Courses: Strategies for Student Success Holly Nance, <i>College of Coastal Georgia</i>	
	Using Metacognitive Strategies to Improve Student Performance in Biology Course Ashley M. Driver, <i>University of Wisconsin-Stevens Point</i>	
	Increasing the Freshman Retention Rates of Science Majors at Niagara University Through an Early Intervention Program Virginia Glazier, <i>Niagara University</i>	
	Using Current Events and Creative Projects to Encourage Student Interest and Learning	

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Melissa S. Anderson, *Lindenwood University - Belleville*

11:20–11:40am Concurrent Presentations (20 minutes)

Students “check-in” and “warm-up” before doing group work to improve group dynamics and class participation in an infectious disease course

Laurieann Klockow, *Marquette University*

Use of Pre-lecture Videos and Formative Quizzes to Improve Outcomes in an Introductory Biology Lecture Course

Sharon Thoma, *University of Wisconsin-Madison*

Encouraging Undergraduate Confidence and Participation in Research Through Lower-division Course-based Undergraduate Research Experiences (CUREs)

Gerick Bergsma, Jennifer Duggan, John Silveus, Timothy Thomas, *California State University, Monterey Bay*

Development of a formative peer observation protocol for STEM faculty reflection

Heather Dillon, Carolyn James, Valerie Peterson, Stephanie Salomone, & Eric Anctil, *University of Portland*

11:45–12:40 pm Lunch and Movie sponsored by HHMI BioInteractive

LSC 001

**Movie starts at 12:00*

First call for Out of this World Teaching Contributions

**12:50–2:00 pm Keynote Presentation
Professor Michelle K. Smith, Cornell University**

LSC Atrium

2:10–2:50 pm Concurrent Presentations and Round Table Discussions (40 minutes)

Exploring Approaches to Engaging Undergraduates in Research: Differential Impacts on Students' Self-efficacy and Science Skills

Kelly Schmid, *Syracuse University*

Teaching the Students to be Teachers

Marlee B. Marsh, PhD, *Columbia College*

New tools for measuring student learning outcomes for program assessment

Karen Klyczek, *University of Wisconsin- River Falls*

3:00–3:20 pm Concurrent Presentations (20 minutes)

Cover Boards as a Tool to Study Ecology

George Todd, *Coastal Pines Technical College*

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Creating an authentic research experience for undergraduate students with a wide range of laboratory and research familiarity

Dr. Jodi L. Lancaster, *Elizabethtown College*

Small steps towards a larger goal

Sukanya Lodh, PhD, *Marquette University*

3:30–4:50 pm Concurrent Presentations and Workshops (80 minutes)

Teaching Like a Pro in Your First Years

Becky Burton, *Alverno College*; Jason Wiles, *Syracuse University*; Conrad Toepfer, *Brescia University*

CourseSource Workshop

Michelle K. Smith, *Cornell University*

Bio-Rad Focus Group

**5:00–6:00 pm Poster Presentations and Cocktail Hour
Sponsored by JoVE**

6:00–8:30 pm Dinner Sheraton Ballroom

Saturday October 26th, 2019

8:00–9:00 am Breakfast with Bioscene Sheraton Ballroom

9:20–10:00 am Concurrent Presentations and Round Table Discussions (40 minutes)

Surveying Biodiversity with iNaturalist

Lynn Swafford, *Wayne Community College*

Collaborative Design of a Tiered Introductory Biology Course to Meet the Needs of a Diverse Student Body

Dawn Carter, Elizabeth Dicesare, Dina L. Newman, Chris Widmaier, *Rochester Institute of Technology*

Using reasoning is the key to solving challenging genetics problems

Jenny Knight, Austin Hammermeister Suger, Jennifer Avena, *University of Colorado Boulder*

10:10–10:30 am Concurrent Presentations (20 minutes)

The Curious Construct of Active Learning in Biology Education Research

PRELIMINARY DRAFT SCHEDULE- ACUBE 2019

Emily Driessen¹, Jennifer K. Knight², Michelle K. Smith³, Brittany Woodruff¹, Cissy J. Ballen¹, ¹*Auburn University*, ²*University of Colorado, Boulder*, ³*Cornell University*

How Inclusion is Communicated (or not) through the Course Syllabus

Rita Margarida Quiñones de Magalhães, Dina L. Newman, and Scott Franklin,
Rochester Institute of Technology

The Longevity Games – Student research exposure through service learning

Johnathan Millen, *St. John Fisher College*

10:40–11:20am Concurrent Presentations and Round Table Discussions (40 minutes)

A Concept Framework for Improving Curriculum Design and Student Metacognition

Amanda Howard, Caitlin Reeves and Jennifer Walker, *University of Georgia*

Employing Blended Team Project-Based Learning to Develop and Evaluate Student “Soft-Skill” Sets: Lessons Learned from a Microbiology Course

Jason Andrus, *Meredith College*

Hydroponics and Sustainability in the Biology Lab

Luciana Caporaletti, *Penn State University*

11:30–12:30pm ACUBE Members Meeting

First call for committee nominations

Last call for Out of this World Teaching Contributions

Sheraton Ballroom

12:30–2:00 pm Lunch and Awards

Sheraton Ballroom

2:20–3:40 pm Concurrent Presentations and Workshops (80 minutes)

Implementing high impact practices using team-based learning

Neil Haave, *University of Alberta, Augustana Campus*

The Genomics Education Partnership: A community of practice that enhances research opportunities for students and faculty at diverse institutions

Evan Merkhofer¹, Nighat Kokan², and the Faculty of the Genomics Education Partnership

¹*Mount Saint Mary College*, ²*Cardinal Stritch University*

3:50–5:10 pm Concurrent Presentations and Workshops (80 minutes)

PETLs: Design, Fabrication and Testing of Microfluidic Devices in the Classroom and Research Laboratory.

Fernando Ontiveros, PhD., *St. John Fisher College*

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Build-a-Course Workshop

Rebecca S. Burton, *Alverno College*

5:30–6:30 pm Steering Committee Meeting