

## Fall 2022 Texas Branch ASM meeting tentative schedule

### Day 1, Nov 10.

#### Location: BRC

3:00-6:00 PM Registration + Appetizers (pre-function space)

5:00 PM Opening /Welcome (Auditorium)

5:10 PM Speaker Intro

5:15 – 6:15 PM Keynote **Danielle Garsin**, UT Health

### Day 2, Nov 11:

#### Location: BRC

#### Vendor exhibit in the main hall

7:30 – 12:00 PM Registration

7:30 – 8:20 am Breakfast (Event space)

7:30 – 8:20 am Mentoring event (BRC 106):

Careers in STEM. Panelists: Heer Mehta (industry experience), Daniel Kirienko (research administration), Jennifer Walker (academic faculty member), Wesley Long (clinical research experience).

8:30-10:20 am Parallel sessions

2 concurrent sessions: faculty talks, 4 talks; 20 min + 5 Q&A each)

Medical Microbiology (BRC, Main Auditorium)

Chair: **Jose L. Lopez-Ribot**, UTSA

Faculty Speakers:

Jesus Romo, UTSA

Dimitrios Kontoyiannis, MD Anderson

Jennifer Walker, UT Health

Natasha Kirienko, Rice

General Microbiology (BRC, Event Space)

Chair: **Helene Andrews-Polymenis**, Texas A&M

Andrea Mitchell, TAMU

Phospholipid transporters—why have three?

Despoina Mavridou, UT Austin

Cell envelope protein homeostasis underpins the evolution of antibiotic resistance

Julian Hurdle, TAMU

Decoding a cryptic mechanism of metronidazole resistance among globally disseminated

fluoroquinolone-resistant *Clostridioides difficile*  
Jolene Ramsey  
Timing your escape: mechanisms phages use to lyse their bacterial hosts

10:20 – 10:40 am Break

10:40 – 12:10 PM Parallel sessions, 6 presentations in each (Grad students/postdocs or undergrad students) 15 min per slot (12 + 3 Q&A)

Medical Microbiology (BRC, Main Auditorium)

Chair: **Nicole De Nisco**, UT Dallas

General Microbiology (BRC, Event Space)

Chair: **Cathy Wakeman**, Texas Tech University

Undergraduate Presentations (BRC 106)

Chair: **Blake Hanson**, UT Health

12:10 – 12:30 PM Break

12:30 – 1:00 PM Lunch break (BRC, Event Space)

1:00 – 2:00 PM Poster session A (BRC, Event Space)

2:00 – 3:00 PM Poster session B (BRC, Event Space)

3:00 – 3:30 PM Break

3:30 – 4:45 PM Parallel sessions (2 sessions; one faculty presentation + 3 postdocs/grad students)

Synthetic Biology (BRC, Main Auditorium)

Chair: **James Chappell**, Rice

Faculty Speaker: Chelsea Hu, TAMU

Environmental Biology/Ecology (BRC 106)

Chair: **Lory Z. Santiago-Vázquez**, U of H Clear Lake

Faculty Speaker: Michael LaMontagne, U of H Clear Lake

5-6 PM Closing Keynote, **ASM Distinguished Lecturer** Miriam Braunstein (Auditorium)

Talk Title: The Bacterial Protein Export Zoo

6:30 – 7:45 PM Dinner (Glasscock School of Continuing Studies, Commons area + second floor lounge)

7:45 PM – Student Awards / Other Awards and distinctions

8:15 PM - Closing remarks

**Day 3, Nov 12:**

8:00 – 8:50 am Breakfast

8:00 – 8:50 am Mentoring event (BRC 106)

Improving DEI in Research Environments. Panelists: Cecilia Fernandez (Assistant Director of Diversity, Equity, Inclusion and Outreach) and Jorge Loyo Rosales (Associate Director of Education)

9:00 – 11:30 am Teaching Session (BRC 106), 4 presentations, each 45 min

Co-chairs: Todd Primm (Sam Houston State University) and Greg Frederick (American University of the Caribbean School of Medicine)

Todd Primm, SHSU: How to teach students metacognition

Amy Wagler, UTEP: Faculty mentorship in summer research programs

Chris Parker, Texas Wesleyan: Interactives in immunology

Greg Frederick, AUC School of Medicine: Team-based learning and case studies in teaching

9:00 – 12:25 pm Workshops (BRC, Event Space)

9:00 – 9:55 am Strain-level bacterial identification with MALDI-TOF MS: A hands-on workshop from isolate to data analysis (Michael LaMontagne)

10:00 – 10:45 am Pathogen epidemiology using whole genome sequencing (Jennifer Spinler & Ruth Ann Luna)

10:50 – 11:35 am Methods for strain-level characterization of metagenomic sequencing data (Todd Treangen)

11:40 – 12:25 pm RNA-sequencing analysis for bacterial gene expression (Yahan Wei)

**Adjourn**