

Schedule

Time	Schedule	Conveners	Presenter	Affiliation
8:50-9:00	Welcome	Kevin Garey, PharmD, UHCOP		
9:00-9:45	Intro and Keynote 1	Taryn Eubank, PharmD, UHCOP	Jesus Romo, PhD	UTSA
9:45-10:00	BREAK			
10:00-11:00	Abstracts 1-4: Understanding C diff biology			
	10:00	Xinyun Sherry Cao, PhD, UT Southwestern	Adegoke Adegbite	TAMU
	10:15		Ping Shen	UT Southwestern
	10:30		Gitartha Sarma	TAMU
	10:45		Md Ekramul Karim	UHCOP
11:00-12:00	Abstracts 5-8: C diff and pathobionts/host			
	11:00	Daniel Paredes-Sabja, PhD, TAMU	Henok A. Tegegne	BCM
	11:15		Joshua N. Brehm	TAMU
	11:30		Katherine J. Wozniak	BCM
	11:45		Carolyn Herrera	TAMU
12:00-1:15	Lunch and rapid fires	Kelly Reveles, PharmD, PhD, UT	Sean Pagel	TAMU
			Alex Mai	UHCOP
			Aiden Tran	UHCOP
			Tricia Cao	UHCOP
			Ashley Cao	UHCOP
			Sonrisa Jones	TAMU
			Asmaa Adel Abdalla	UHCOP
			Neil Shaw	UHCOP
1:15-2:00	Keynote 2	Joe Sorg, PhD, TAMU	Sylvie Strela, PhD	TAMU
2:00-3:00	Abstracts 9-12: C diff clinical implications			
	2:00	Abe Shremo Msdi, PharmD, UHCOP	Thanh Le	UHCOP
	2:15		Travis Carlson	UT
	2:30		Trey Hejtmancik	TAMU
	2:45		Wei Zhao	TAMU IBT
3:00-4:00	Abstracts 13-16: C diff drug discovery			
	3:00	Julian Hurdle, PhD, TAMU IBT	Abe Shremo Msdi	UHCOP
	3:15		Cassandra Spondike	UTSA
	3:30		Dulong Zhu	BCM
	3:45		Michael Kyere	TAMU
4-close	Happy hour - All			

All Abstracts

Presenter	Title
	Understanding C diff biology
Adegoke Adegbite	Characterizing the <i>C. difficile</i> Small Acid Soluble Proteins (SASPs) binding to DNA
Ping Shen	Distinct Transcriptional Pausing Rules in <i>Clostridioides difficile</i> Revealed by in vitro CrossSpecies RNAP-Seq
Gitartha Sarma	Understanding how <i>C. difficile</i> metabolism affects spore development
Md Ekramul Karim	An Epidemiological Investigation of <i>Clostridioides difficile</i> Biofilm
	C diff and pathobionts/host
Henok A. Tegegne	Microbiome-informed diagnostics distinguish <i>C. difficile</i> infection from asymptomatic carriage
Joshua N. Brehm	Using live imaging to investigate <i>Clostridioides difficile</i> spore outgrowth
Katherine J. Wozniak	In vitro irradiation of gut microbiomes to investigate host-independent radiation effects
Carolyn Herrera	Characterization of <i>Clostridium scindens</i> restriction modification systems for the development of novel genetic tools
	Rapid Fire Presentations
Sean Pagel	Single-nucleotide polymorphisms in RNA polymerase can suppress <i>C. difficile</i> sporulation defects in the absence of small acid-soluble proteins
Alex Mai	Investigation of enterococcus colonization impact on <i>Clostridioides difficile</i> disease severity
Aiden Tran	Comparison of patient outcomes between fidaxomicin monotherapy vs vancomycin monotherapy in a real world, matched population
Tricia Cao	Impact of treatment on 30-day mortality in patients with discordant two-step CDI results
Ashley Cao	Preliminary investigation into treatment failure in patients receiving intravenous vancomycin prior to <i>Clostridioides difficile</i> and treated with oral vancomycin
Sonrisa Jones	APPLICATION OF CLICK DISPLAY TECHNOLOGY FOR RAPID PROTEIN BINDER DISCOVERY
Asmaa Adel Abdalla	Development of Quantitative Real Time PCR Assay to Estimate Butyrate Production via gut microbiota.
Neil Shaw	Taxonomic and Functional Association Analysis of Arginine and Ornithine in the Gut Microbiome of <i>Clostridioides difficile</i> infection
	C diff clinical therapeutics
Thanh Le	Pan-resistance to <i>Clostridioides difficile</i> against <i>C. difficile</i> -directed Antibiotics
Travis Carlson	Diagnosis and Treatment of Anxiety or Depression Following <i>Clostridioides difficile</i> Infection
Trey Hejtmancik	PERSISTENCE OF <i>CLOSTRIDIROIDES DIFFICILE</i> SPORES IN THE INTESTINAL MUCOSA DURING PROLONGED VANCOMYCIN TREATMENTS
Wei Zhao	Development of a Fluorescent Based Transcriptional Assay for Analyzing the Effects of Fidaxomicin Resistance Mutations in <i>Clostridioides difficile</i> RNA Polymerase
	C diff drug discovery
Abe Shremo Msdi	The Effects of Novel Oral Preclinical PolC Inhibitor Antibiotic Candidates on the Gut Microbiome in a Murine Thigh Infection Model
Cassandra Spondike	Identification and Characterization of Repositionable Compounds with Activity Against <i>Clostridioides difficile</i> Biofilms
Duolong Zhu	Engineered a calprotectin-responsive probiotic to mitigate <i>Clostridioides difficile</i> infection
Michael Kyere	Engineering <i>S. boulardii</i> for the treatment of <i>C. difficile</i> infection