

ICG+P CONFERENCE SCHEDULE

Sunday, October 13th

5:00 p.m.–6:00 p.m. Conference Check-in
Conf. Registration Desk
Embassy Suites Hotel

6:00 p.m.–7:00 p.m. Buffet Dinner
Big Blue Ballroom
Embassy Suites Hotel

7:00 p.m.–7:15 p.m. Opening Remarks

Co-Chairs: Jeff Bose, PhD &
Shonna McBride, PhD

7:15 p.m.–8:15 p.m. KEYNOTE SPEAKER 1
Big Blue Ballroom

'Listeria monocytogenes: How to survive and thrive in the macrophage cytosol'

JD Sauer, PhD, Associate Professor of Medical Microbiology and Immunology, University of Wisconsin-Madison School of Medicine and Public Health

Monday, October 14th

8:30 a.m.–9:30 a.m. KEYNOTE SPEAKER 2
Big Blue Ballroom

'Orthogonal cell division in *Staphylococcus aureus*: a fifty-year-old mystery'

Kumaran Ramamurthi, PhD, Senior Investigator, National Institutes of Health

Moderator: Casey Gries

9:30 a.m.–9:50 a.m.
Amber Nguyen, University of Colorado School of Medicine
'Characterization of hominlysin, a daptide bacteriocin from the human skin commensal *Staphylococcus hominis*'

9:50 a.m.–10:10 a.m.
Lance R. Thurlow, University of North Carolina at Chapel Hill,
'Triple Threat: How Diabetes Contributes to Worse *Staphylococcus aureus* Infection Outcomes'

10:10 a.m.–10:30 a.m.

Adrienne N. Edwards, Emory University School of Medicine
'The PtpA and PtpB orphan phosphotransfer proteins heterodimerize to inhibit *Listeria monocytogenes* sporulation'

10:30 a.m.–11:10 a.m. Break
Courtyard

Moderator: Indranil Biswas

11:10 a.m.–11:30 a.m.

Nichole D. Brandquist, University of Nebraska Medical Center
'Discerning the Role of Citrate Metabolism in *Staphylococcus aureus* During Prosthetic Joint Infection'

11:30 a.m.–11:50 a.m.

Aubrey K.G. McReynolds, University of Kansas Medical Center,
'YjbH contributes to *Staphylococcus aureus* skin pathology and innate immune response through Agr-mediated a-toxin regulation'

11:50 a.m.–12:10 p.m.

Qing Tang, The University of Texas at Arlington
'Antifolate antibiotics promote cyclic di-AMP dependent inflammation during infection'

12:10 p.m.–12:30 p.m.

Aanuoluwa E. Adekoya, University of Tennessee, Knoxville,
'Microbial Physiology in Chronic Wound Infection Models'

12:30 p.m.–1:30 p.m. Lunch break
Outside Big Blue Ballroom

1:30 p.m.–3:00 p.m. Poster Session A
Elkhorn Ballroom

3:00 p.m.–3:20 p.m. Networking Break
Courtyard

3:20 p.m.–3:50 p.m. NIH UPDATE
Big Blue Ballroom

Clayton Huntley – National Institutes of Health

ICG⁺P CONFERENCE SCHEDULE

Moderator: David Heinrichs

3:50 p.m.–4:10 p.m.

Andrew Monteith, University of Tennessee, Knoxville
'Deciphering when neutrophils decide to cast the NET'

4:10 p.m.–4:30 p.m.

Meng-Jen Wu, Johns Hopkins University School of Medicine
'TNFR2 coordinates *Staphylococcus aureus* host defense via glutamine metabolic pathway'

4:30 p.m.–4:50 p.m.

Som S. Chatterjee, University of Maryland, Baltimore
'Eukaryotic-like serine/threonine kinase Stk1 mediates broad-spectrum β -lactam resistance in epidemic-causing strains of *Staphylococcus aureus* through attenuation of Blal degradation'

4:50 p.m.–5:10 p.m.

Mohini Bhattacharya, University of Colorado School of Medicine
'Collagen binding adhesin restricts *Staphylococcus aureus* intradermal infection'

5:10 p.m.–5:30 p.m.

Carla S. Maduta, University of Western Ontario
Elucidating the *Staphylococcus aureus* TSST-1 regulatory network as a response to vaginal pH

8:30 a.m.–9:30 a.m.

KEYNOTE SPEAKER 3
Big Blue Ballroom

'Evolution and epidemiology of *Staphylococcus aureus*: horizontal gene transfer in action'

Jodi Lindsay, PhD, Professor, St. George's, University of London

Tuesday, October 15th

Moderator: Christopher Healy

9:30 a.m.–9:50 a.m.

Zachary Van Roy, University of Nebraska Medical Center
'Decoding the Spatial and Temporal Determinants of Granulocyte Function During *S. aureus* Biofilm Infection'

9:50 a.m.–10:10 a.m.

Cindy Menjivar, The University of Kansas Medical Center
'Characterizing the *Staphylococcus aureus* fatty acid degradation locus'

10:10 a.m.–10:50 a.m. Break
Courtyard

Moderator: Shaun Brinsmade

10:50 a.m.–11:10 a.m.

Peri Moulding, University of Regina
'A novel inhibitor of *S. aureus* polyamine detoxification may serve as an antivirulence agent and antibiotic adjuvant'

11:10 a.m.–11:30 a.m.

Kaylie Lam, University of Florida
'Genome-wide analysis to identify *Enterococcus faecalis* genes that facilitate interspecies competition with *Lactobacillus crispatus*'

11:30 a.m.–11:50 a.m.

William Beavers, Louisiana State University of Veterinary Medicine
'Polyunsaturated fatty acid resistance is modulated through metabolism in *Staphylococcus aureus*'

11:50 a.m.–12:10 p.m.

Nidhi Satishkumar, University of Maryland Baltimore
'Increased expression of Penicillin-Binding Protein-4 is associated with Vancomycin susceptibility in *Staphylococcus aureus*'

12:10 p.m.–1:10 p.m. Lunch
Outside Big Blue Ballroom

1:10 p.m.–2:40 p.m. Poster Session B
Elkhorn Ballroom

2:40 p.m.–3:20 p.m. Networking Break
Courtyard

Moderator: Kristi Frank

3:20 p.m.–3:40 p.m.

Xingmin Sun, University of South Florida
'A novel peptidoglycan hydrolase, plays pleiotropic roles in *Clostridioides difficile* R20291'

ICG+P CONFERENCE SCHEDULE

3:40 p.m.–4:00 p.m.

Akanksha Thukral, University of Western Ontario
'Functional Investigations into the RND efflux pumps of *Staphylococcus aureus*'

4:00 p.m.–4:20 p.m.

Jeffery Freiberg, Vanderbilt University Medical Center
'Antibiotic tolerance is influenced by arginine metabolism in *Staphylococcus aureus*'

4:20 p.m.–4:40 p.m.

Mary-Elizabeth Jobson, University of South Florida
'The Regulation of Virulence in *Staphylococcus aureus* by SSR42'

4:40 p.m.–5:00 p.m.

Jilarie A. Santos-Santiago, University of North Carolina at Chapel Hill School of Medicine
'Assessing the impact of the CmrRST signal transduction system in *Clostridioides difficile* infection using a mouse model'

6:00 p.m.–9:00 p.m.

Conference Banquet
The Durham Museum

8:30 a.m.–9:30 a.m.

KEYNOTE SPEAKER 4
Big Blue Ballroom

'Unlocking Therapeutic Potential: Intravital Imaging Sheds Light on Novel Treatments for Staphylococcal Infections'

Bas Surewaard, PhD, Assistant Professor, University of Calgary

Wednesday, October 16th

Moderator: Andrew Albers

9:30 a.m.–9:50 a.m.

Kyle Enriquez, Vanderbilt University School of Medicine
'*Staphylococcus aureus* ZlgA is a candidate COG0523 metallochaperone that contributes to pathogenesis'

9:50 a.m.–10:10 a.m.

Kaelie Johnson, University of Illinois at Chicago
'Elucidating the Role of a Staphylococcal Glucosaminidase in the Host Innate Immune Response'

10:10 a.m.–10:50 a.m.

Break
Courtyard

Moderator: Kelly Rice

10:50 a.m.–11:10 a.m.

Laine Feller, Johns Hopkins University School of Medicine
'*Staphylococcus aureus* superantigens target sebaceous gland maturation to promote skin pathogenesis'

11:10 a.m.–11:30 a.m.

Abigail Hall, University of Nebraska Medical Center
'The Spx redox switch controls cystine uptake and toxicity in *Staphylococcus aureus* under disulfide stress'

11:30 a.m.–11:50 a.m.

Paroma Roy, University of Western Ontario
'Intracellular survival of small colony variants of *Staphylococcus aureus*'

11:50 a.m.–12:00 p.m.

Closing remarks
Big Blue Ballroom

Co-Chairs: Jeff Bose, PhD & Shonna McBride, PhD

12:00 p.m.–1:00 p.m.

Lunch Break
Outside Big Blue Ballroom



ICG+P ORAL ABSTRACTS

SESSIONS AND PRESENTERS

Monday October 14th

Amber Nguyen
Lance Thurlow
Adrienne Edwards
Nichole Brandquist
Aubrey McReynolds
Qing Tang
Aanuoluwa Adekoya
Andrew Monteith
Meng-Jen Wu
Som Chatterjee
Mohini Bhattacharya
Carla Maduta

Tuesday October 15th

Zachary Van Roy
Cindy Menjivar
Peri Moulding
Kaylie Lam
William Beavers
Nidhi Satishkumar
Xingmin Sun
Akanksha Thukral
Jeffrey Freiberg
Mary-Elizabeth Jobson
Jilarie Santos-Santiago

Wednesday October 16th

Kyle Enriquez
Kaelie Johnson
Laine Feller
Abigail Hall
Paroma Roy



ICG+P POSTER SESSION “A” ABSTRACTS

MONDAY, OCTOBER 14, 2024
1:30 P.M.-3:30 P.M.

POSTER NUMBERS AND PRESENTERS

A01	May Abdelaziz	A23	Spencer Lewis
A02	Adegoke Adegbite	A24	Artha Govind Lotlikar
A03	Michael Ainsworth	A25	Nisha Mahey
A04	Andrew Albers	A26	Kevin McIver
A05	Liang Bao	A27	Amany Moawad
A06	Indranil Biswas	A28	Emilee Mustor
A07	David Brewer	A29	Abdulrahman Naeem
A08	Debra Brunson	A30	Ankita Nag
A09	Guadalupe Calderon	A31	Morgan Osborne
A10	Gregory Damhorst	A32	Sharanya Paul
A11	Jennifer Endres	A33	Magdalena Podkowik
A12	Parsa Farhang	A34	Itidal Reslane
A13	Nancy Freitag	A35	Alexander Sheikh
A14	Amy Gomez	A36	Maria Taboada-Cortina
A15	Ritika Gupta	A37	John Thorstenson
A16	Sydney Hall	A38	Nathanial Torres
A17	Md Kamrul Hasan	A39	Jacqueline Van Ardenne
A18	Andrea Herrera	A40	Nicholas Walton
A19	Gunjan Kak	A41	Rachel Washburn
A20	Sakshi Khairnar	A42	Leann Xu
A21	Allison Kumar	A43	Marta Zapotoczna
A22	Josh Leeming	A44	Zongsen Zou

ICG+P POSTER SESSION “B” ABSTRACTS

TUESDAY, OCTOBER 15, 2024
1:10 P.M.—2:40 P.M.

POSTER NUMBERS AND PRESENTERS

B01	Tolulope Ade	B23	Kuan-Yi Lu
B02	Charles Agbavor	B24	Riley McFarlane
B03	Oluchi Alaribe	B25	Alan McNolty
B04	Prabhakar Arumugam	B26	Marcos Monteiro
B05	Merilyn Beebe	B27	Megan Myers
B06	Maksym Bobrovskyy	B28	Bren Den Ng
B07	Shaun Brinsmade	B29	Adedayo Ogunware
B08	Taylor Burke	B30	Emma Pagella
B09	Jan-Ulrik Dahl	B31	Tyler Pereira
B10	Keane Dye	B32	Raymond Poon
B11	Timothy Enroth	B33	Fareha Razvi
B12	Shannon Fulton	B34	Kelly Rice
B13	Casey Gries	B35	Zajeba Tabashsum
B14	Pratibha Gurung	B36	Julia Tennant
B15	Kiana Hajiarbabi	B37	Yuan Tian
B16	Derell Hardman	B38	Robert Ulrich
B17	Christopher Healy	B39	Anna Vermilya
B18	Julia Hilliard	B40	Gus Wang
B19	Lee Korshoj	B41	Ze Zhang Wen
B20	Sarah Latimer	B42	Amanda Yermal
B21	McKenzie Lehman	B43	Brianne Zbylicki
B22	Jamie Liu		