



## MMI 291 Seminar Series

Current Theme: Interdisciplinary Research

Fall Quarter 2022 – CRN 41473

**Friday Seminar – 12:10-1 p.m.**

### *“Protective Immunity against Staphylococcus aureus infection”*

#### Research

Christopher P. Montgomery, M.D., is a Critical Care physician at Nationwide Children’s and a Principal Investigator in the Center for Microbial Pathogenesis at the Research Institute. He is an Associate Professor of Pediatrics at The Ohio State University College of Medicine.

Dr. Montgomery received his Bachelor of Arts from Kalamazoo College and graduated from Wayne State University School of Medicine with high distinction. He completed his residency in Pediatrics and fellowship in Pediatric Critical Care Medicine at the University of Chicago Hospitals. Dr. Montgomery’s research focuses on the pathogenesis of *Staphylococcus aureus* infections in children, with an emphasis on how the bacterium interacts with the host immune response.

#### Publications

Si Y, Zhao F, Beesetty P, Weiskopf D, Li Z, Tian Q, Alegre ML, Sette A, Chong AS, **Montgomery CP**. Inhibition of protective immunity against *Staphylococcus aureus* infection by MHC-restricted immunodominance is overcome by vaccination. *Science Advances* **2020**;6. PMID: 32270029

Li Z, Beesetty P, Gerges G, Kleinhenz M, Moore-Clingenpeel M, Yang C, Ahmed LB, Hensley J, Steele L, Chong AS, Montgomery CP. Impaired T lymphocyte responses during childhood *Staphylococcus aureus* infection. *J Infect Dis* **2022**; 225:177-85. PMID: 34145461

Yang C, de Dios Ruiz-Rosado J, Robledo-Avila FH, Li Z, Jennings RN, Partida-Sanchez S, Montgomery CP. Antibody-mediated protection against *Staphylococcus aureus* dermonecrosis: synergy of toxin neutralization and neutrophil recruitment. *J Invest Derm* **2021**; 141:810-20. PMID:32946878

December  
2



Christopher P. Montgomery, M.D.

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Hospital  
Associate Professor of Pediatrics  
The Ohio State University College of Medicine

**December 2, 2022**  
**12:10 – 1 p.m.**  
**ZOOM Meeting**

Medical Microbiology  
& Immunology  
School of Medicine

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We hope to see you there!