



## Franklin Peace Lurie

Ph.D. Student in Bioengineering, admitted Autumn 2025

### Research & Scholarship

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#### LAB AFFILIATIONS

- Vayu Hill-Maini, Hill-Maini Lab (9/1/2024)
- William Tarpeh, Tarpeh Lab (1/1/2022 - - 6/16/2024)

### Publications

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#### PUBLICATIONS

- **Harnessing fungal fermentation for waste-to-food conversion.** *Trends in biotechnology*  
Black, B., Massa, A., Lurie, F. P., Preidl, A. K., Hill-Maini, V.  
2026
- **Investigating the Effect of Membrane Composition on the Selective Ammonium Transport of *Escherichia coli* AmtB Membrane Proteins** *ACS APPLIED ENGINEERING MATERIALS*  
Clark, B. D., Chou, J., Stafford, V., Lurie, F., Dassama, L. M. K., Tarpeh, W. A.  
2025
- **DEVELOPMENT OF A UAV-BORNE PULSED ICE-PENETRATING RADAR SYSTEM**  
Teisberg, T. O., Schroeder, D. M., Broome, A. L., Lurie, F., Woo, D., IEEE  
IEEE.2022: 7405-7408