

What do we study?

❖ Mycobacterial Infectious Diseases

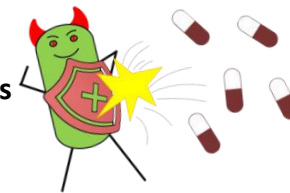
We use state-of-the-art genome-scale transcriptomic/proteomic/metabolomic approaches to understand how noncoding RNAs targeted by bacterial toxins influence **tuberculosis** and other **emerging mycobacterial infections**



❖ Antibiotic resistance and antibiotic development

We are studying **HOW mycobacterial pathogens become resistant to antibiotics**

We are using bacterial toxins as the basis for development of a **novel class of antibiotics** for tuberculosis treatment that are **less likely to develop resistance**



❖ Bacterial toxins for cancer chemotherapy



-> Flip to back side

Where is our lab?



School of Public Health Building between CABM and Waksman

Who funds our research?

❖ 3 active NIH grants – PI Woychik



Woychik Lab

Who are we?

August 2024



Nikita Amin



Mikhail Bass



Kylie Bond



Naisargi Patel

7 PhD students



Safreen Sain



Tim Sherrier

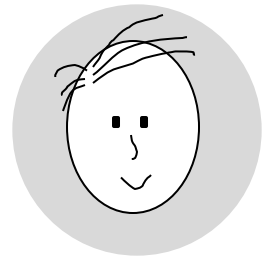
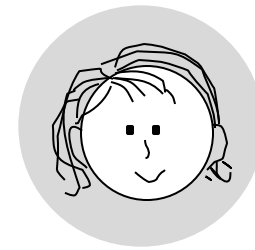


Eduardo Troian

Postdoc



Bruno Abbadi



You?

Want to know more?



@woychiklab



Website: woychiklab.com

Email: nancy.woychik@rutgers.edu