

Jacqueline Antwi-Danso



BANTING POSTDOCTORAL FELLOW

Supervisor: Josh Speagle
since August 2023



RESEARCH GROUP

• Astrostatistics



MASTERS & PhD

Advisor: Casey Papovich

Dissertation: Optimized Survey Strategies and Selection
Methods for Massive Galaxies at $z > 3$

OUTSIDE WORK



LUMA



Peer-mentoring community for Black,
Indigenous, Latinx women in astronomy+

Nationality: Ghanaian



OTHER INTERESTS/HOBBIES

- Interior design
- Dancing: Latin ballroom, afrobeats

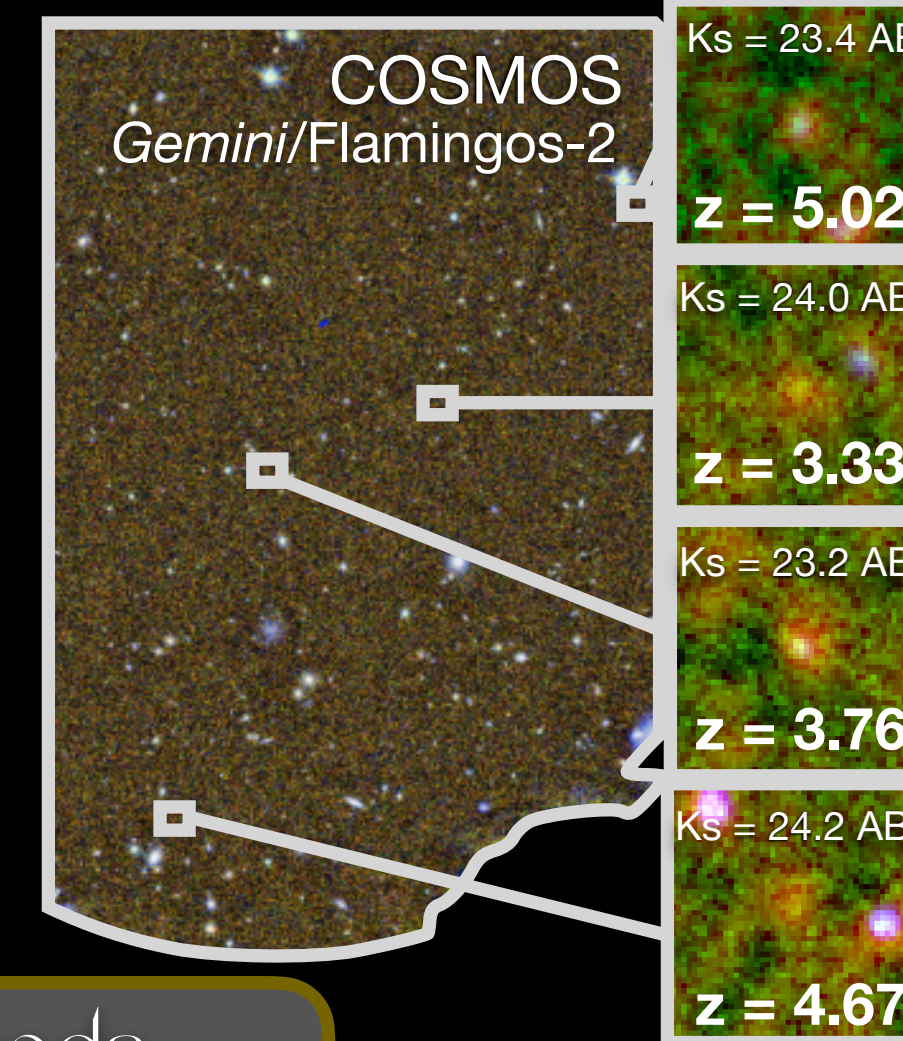
MASSIVE GALAXIES AT HIGH- z

$$3 < z < 6$$

Optimized Ground-based Surveys

Wide and deep ground-based near-infrared surveys to increase detection rate

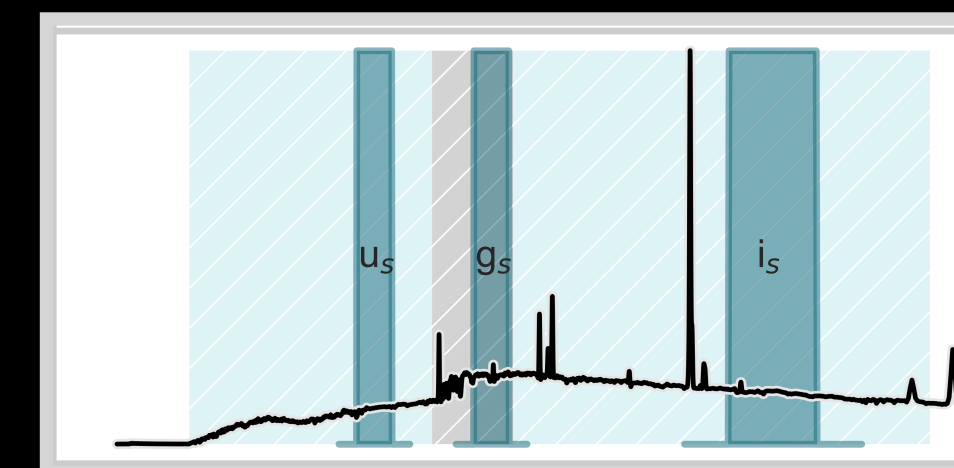
Antwi-Danso et al. 2023b
arXiv: 2307.09590



Novel Selection Methods

Improve sample purity in large photometric catalogs

Antwi-Danso et al. 2023a



Detailed Spectroscopic Characterization

WST Cycle 2
8-hr NRSpec program targeting abundance & metallicity indicators

PI: Antwi-Danso

