

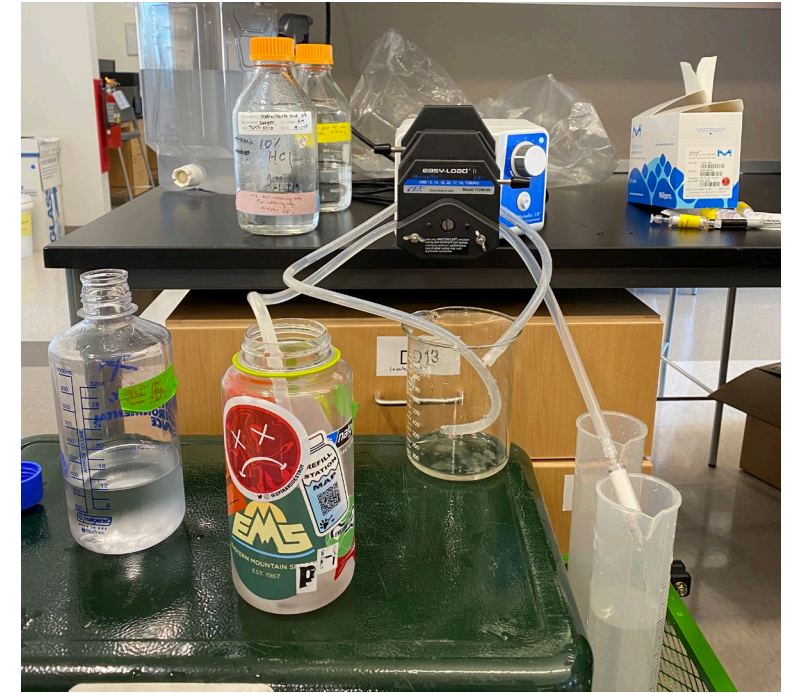
Characterization of the initial steps of sugar metabolism of *Candida glabrata*

Tia Peterson

Supervisors: Professor Patrick Van Dijck and Jolien Vreys

About me!

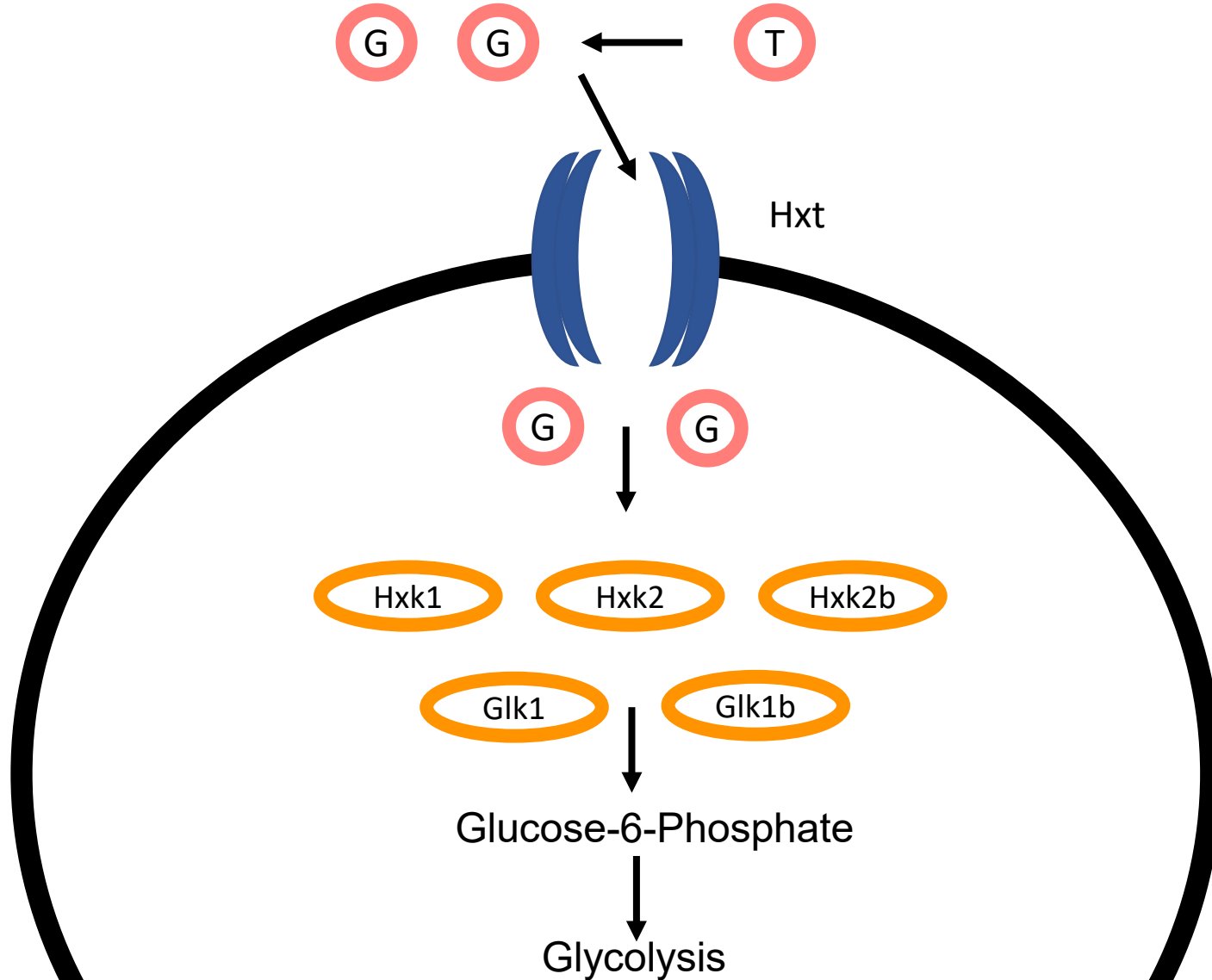
- Home University: Colorado College
 - Major: Molecular Biology, Minor: Biochemistry
- Host University: KU Leuven
- Previous research experience
- Future Plans
 - Graduate School



What is *C. glabrata*?

- Commensal Pathogen
- Increasing azole resistance
- Virulence factors

Sugar metabolism in *C. glabrata*



Central questions

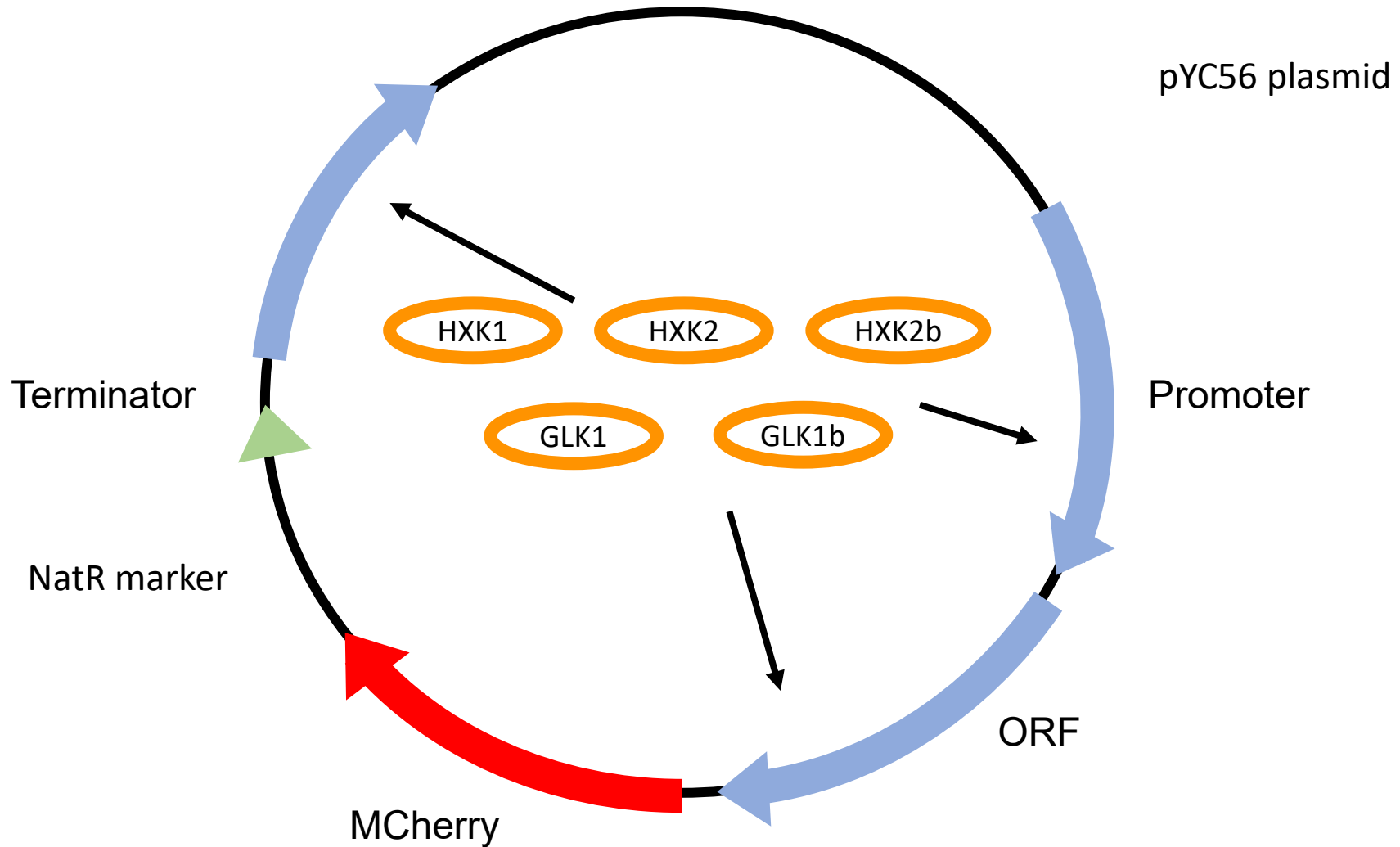
Why does *C. glabrata* have five sugar kinases if it only has one putative substrate?

- Translocation
- Expression

Did *C. glabrata* become specialized for glucose upon adaptation to the human host?

- Clinical vs. Environmental

Translocation - plasmid design



Questions?