

# Mining the neonatal microbiota to combat diabetes

**Dr. Jennifer Hampton Hill**

University of Utah

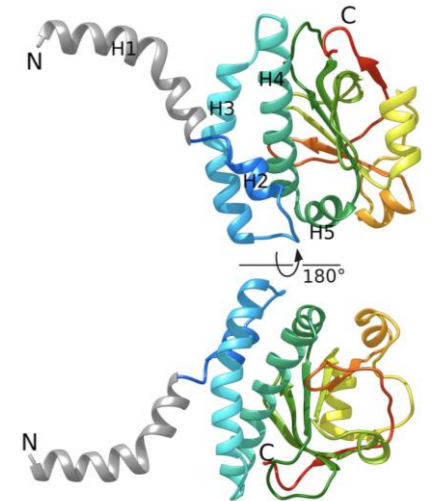
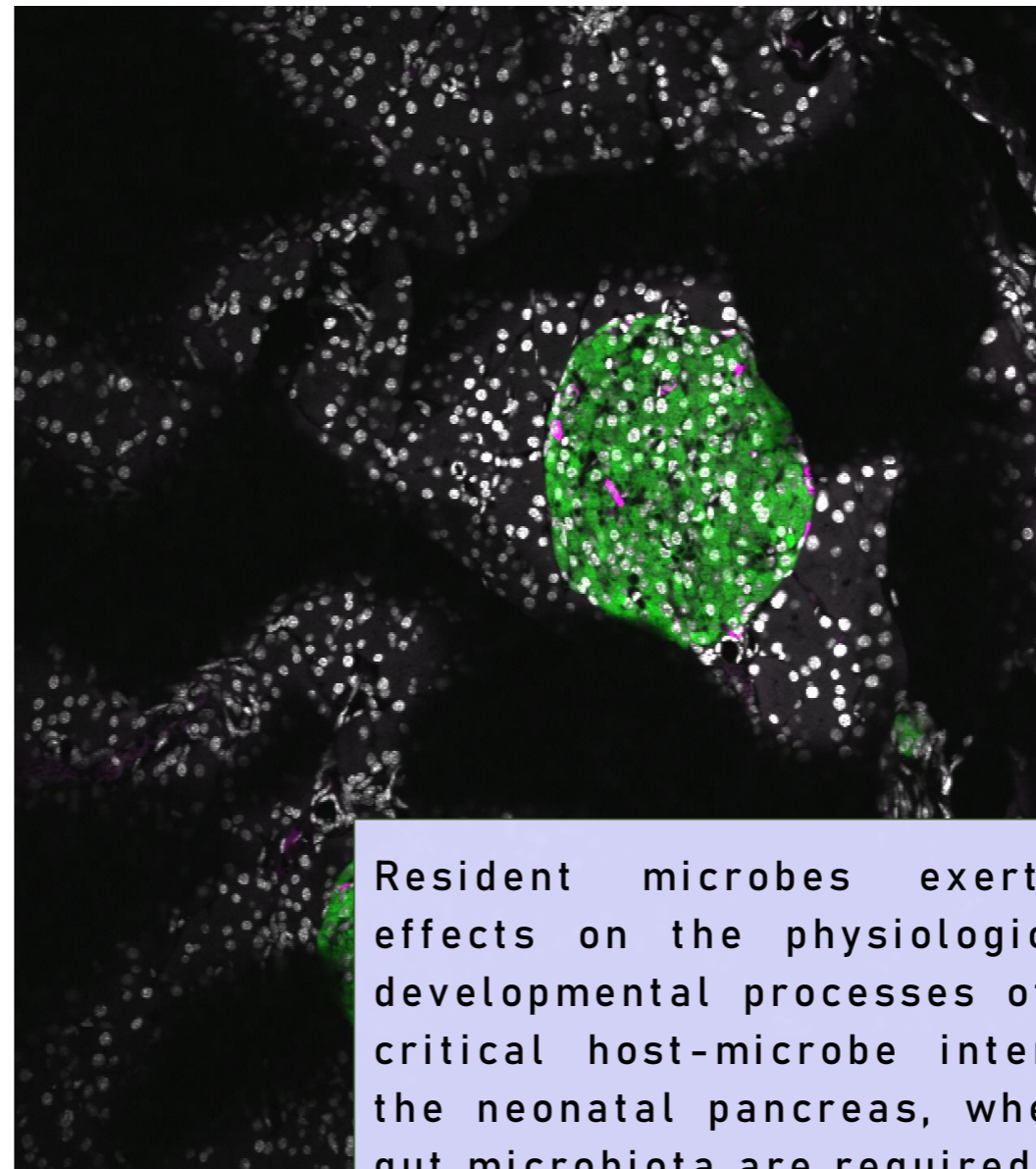


DATE: FRIDAY, SEPTEMBER 23rd, 2022

TIME: 4:00 P.M. (PST)

LOCATION: SCIENCE B ROOM 135

Reception to follow the seminar at 5 pm in the lobby area of Sci B



Resident microbes exert vast systemic effects on the physiological, cellular, and developmental processes of their hosts. One critical host-microbe interaction occurs in the neonatal pancreas, where cues from the gut microbiota are required for expansion and maturation of insulin producing beta-cells. Without the specific bacterial taxa that promote these processes, the host becomes more susceptible to metabolic disease, but restoration of these lost microbial signals may be a preventative tool in the fight against diabetes.

