DDC
Texas Medical Center Digestive Diseases Center

WEEKLY RESEARCH FORUM



OCT. 1

4:00 PM

“Genetically Dissecting Brain Circuits That Control Feeding”

Ben Arenkiel, Ph.D.

Professor
Molecular and Human Genetics
Baylor College of Medicine

Neural circuits in the brain control both energy balance and everyday eating behavior. When these circuits malfunction, they can disrupt how the body responds to food, leading to nutritional problems that harm overall health and contribute to other serious conditions. The neural pathways that control feeding overlap with those involved in reward, aversion, and addiction. Within the cholinergic basal forebrain, a mixed population of cell types plays a major role in feeding behavior, ranging from overeating and obesity to extreme food restriction and starvation. Our research aims to map this circuit architecture, so we can identify specific nodes that may serve as potential targets for therapeutic intervention.

Publication(s):

- PMCID: PMC12905176
- PMCID: PMC10922337
- PMCID: PMC5507212

Baylor Main Campus
DeBakey Building
Auditorium M112

Refreshments provided.

Join via Teams

ID: 285 085 801 270 404
Passcode: 3v5qK34U

Questions? *Contact the DDC Administrative Core at (713) 798-3478 or escamill@bcm.edu*