

ORI FALL 2023 SEMINAR SERIES: NEUROSCIENCE & OBESITY

NOVEMBER 8, 2023, TTUHSC ROOM
ACB 240, 11:30 AM-12:30 PM



**Obesity Research
Institute**



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Gail A. Cornwall, Ph.D.
Professor, Cell Biology and Biochemistry
Texas Tech University Health Sciences Center,
School of Medicine, Lubbock TX

Biological Roles of Amyloid in the Reproductive Tract and Brain

Gail A. Cornwall is a Professor in the Department of Cell Biology and Biochemistry, at Texas Tech University Health Sciences Center, Lubbock. She became an American Association for the Advancement of Science (AAAS) Fellow in 2022. Dr. Cornwall received her Ph.D. in reproductive biology from The Johns Hopkins University Bloomberg School of Public Health followed by a postdoctoral fellowship at Vanderbilt University School of Medicine. Dr. Cornwall's laboratory studies functional amyloids in the male reproductive tract and brain. Ongoing projects are to determine: 1) the mechanisms of amyloid assembly, including if these differ between functional and pathological amyloids, and the impact of the environment on the assembly process; 2) the biological roles of amyloids in host defense in the epididymis and sex-specific learning and memory in the brain; and 3) if amyloids can function as epigenetic carriers of inheritance in mammals.

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