Mammalian Reproductive Physiology

Winter 2020: Jan 9th – Apr 21st  Tue and Thurs: 1:30 – 2:50 pm

Anatomy/Physiology 541 or Psychology 532: an introduction to the mammalian reproductive physiology for PhD, MS and senior undergraduate students who are considering a career in the biomedical sciences.

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Co-Director, Reproductive Sciences Program

Topics covered: Properties, regulation and action of protein and steroid hormones, neuroendocrine function and feedback regulation, gonadal function and development, reproductive maturation (puberty) and senescence (menopause), sexual differentiation of the brain, epigenetic, stress and metabolic disruption of the HPG axis, sex vs gender and differences of sexual development, fertilization, embryogenesis, pregnancy and parturition, lactation, clinical issues of infertility and assisted reproduction.