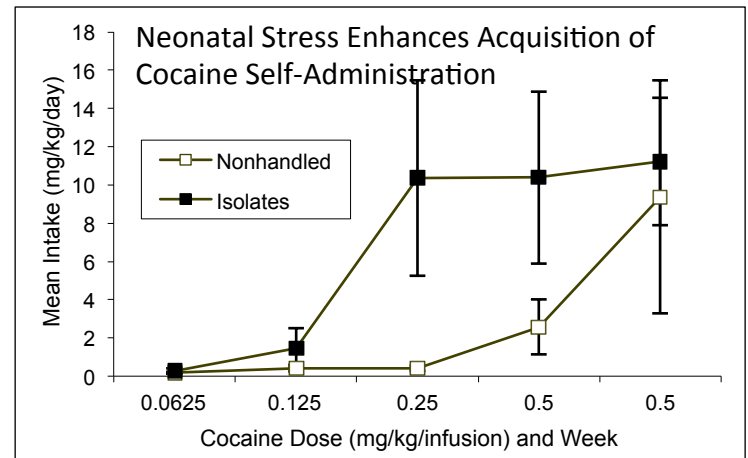




**Terri Kosten, Ph.D.**  
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**Research Interests:** Early life stress, behavioral pharmacology of addiction, sex differences in rats.



**RFA of interest: PAS-18-624, Mechanistic investigations of psychosocial stress effects on opioid use patterns.** “...invites innovative research to characterize the consequences of **psychosocial stress** [narrowly defined] on ... **pain processing** as it relates to opioid use disorder (OUD), ... encourages research that elucidates mechanisms of action and **determinants of vulnerability** ... by which **psychosocial stress** influences OUD trajectories. Expiration date: Sept 8 2020. LOI due 30 days prior. NIDA.

**Strengths or unique resources:** Several publications showing that early life stress in rats enhances cocaine self-administration (Fig) and cocaine-induced DA increases in NAc; known for sex differences work; published data on morphine effects in rats (withdrawal; place conditioning; analgesia; locomotor); unpublished morphine self-administration data.

**Seeking a collaborator who could:** test mechanisms, such as: “identification and functional characterization of circuitry engaged by psychosocial stress that overlaps with pain circuits or circuits involved in OUD”; impact of psychosocial stress on “gene function (e.g. transcription, epigenetic modifications, non-coding RNAs, chromatin structure)”; or “receptor signaling and trafficking to affect OUD vulnerability” or “neuroimmune factors that influence pain or OUD”