Obesity: the brain Akting up?

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The Niswender Lab’s research interest is in the neuroendocrine regulation of feeding and pathogenesis of obesity. They also study neural regulation of peripheral metabolism including lipoprotein and glucose metabolism toward a better understanding of the neural underpinnings of diabetes and metabolic syndrome.

They are also increasingly interested in shared mechanisms between obesity and diabetes pathogenesis and common neuropsychiatric co-morbidities. They utilize model systems ranging from neuronal culture to human investigation and techniques involving molecular biology, biochemistry, metabolic clamps, behavioral testing, and imaging.