

Resource Summary Report

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University of Texas at San Antonio Laboratory of Professor Brenda Claiborne

RRID:SCR_008064

Type: Tool

Proper Citation

University of Texas at San Antonio Laboratory of Professor Brenda Claiborne
(RRID:SCR_008064)

Resource Information

URL: <http://www.utsa.edu/claibornelab/>

Proper Citation: University of Texas at San Antonio Laboratory of Professor Brenda Claiborne (RRID:SCR_008064)

Description: The long-term goals of my research are to understand the relationship between neuronal structure and function, and to elucidate the factors that affect neuronal morphology and function over the lifespan of the mammal. Currently we are examining 1) the effects of synaptic activity on neuronal development; 2) the effects of estrogen on neuronal morphology and on learning and memory; and, 3) the effects of aging on neuronal structure and function. We have focused our efforts on single neurons in the hippocampal formation, a region that is critical for certain forms of learning and memory in rodents and humans. From the portal, you may click on a cell in your region of interest to see the complete database of cells from that region. You may also explore the Neuron Database: * Comparative Electrotonic Analysis of Three Classes of Rat Hippocampal Neurons. (Raw data available) * Quantitative, three-dimensional analysis of granule cell dendrites in the rat dentate gyrus. * Dendritic Growth and Regression in Rat Dentate Granule Cells During Late Postnatal Development.(Raw data available) * A light and electron microscopic analysis of the mossy fibers of the rat dentate gyrus.

Abbreviations: UTSA Claiborne Lab

Synonyms: USTA Laboratory of Professor Brenda Claiborne

Resource Type: data or information resource, data set, laboratory portal, organization portal, portal

Keywords: neuronal, structure, synaptic activity, rodent, human, neuron, neuronal morphology, synapse, neuronal development, learning, memory, estrogen, hippocampus, hippocampal formation, mammal, cell

Related Condition: Aging

Resource Name: University of Texas at San Antonio Laboratory of Professor Brenda Claiborne

Resource ID: SCR_008064

Alternate IDs: nif-0000-10481

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260821T193827+0000

Ratings and Alerts

No rating or validation information has been found for University of Texas at San Antonio Laboratory of Professor Brenda Claiborne.

No alerts have been found for University of Texas at San Antonio Laboratory of Professor Brenda Claiborne.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Parekh R, et al. (2013) Neuronal morphology goes digital: a research hub for cellular and system neuroscience. Neuron, 77(6), 1017.