

Michael Chumley

Professor at Texas Christian University

Fort Worth, TX, US

Research focus has been on the role of inflammation in neurodegenerative diseases.

Biography

Michael Chumley's research program focusses on the pathophysiology of aging-related neurological disorders. In particular, the program studies the relationship between inflammation, stress, and diet on the pathologies associated with Alzheimer's disease. Michael works in a close collaboration with Dr. Gary Boehm in the Department of Psychology. Together, they investigating how stress, diet, exercise, and inflammatory events, lead to early markers of Alzheimer's disease, including behavioral and cognitive changes. Michael has a rich history in mentoring graduate and undergraduate students. These students learn a number of molecular and cellular techniques such as numerous types of immunoassays, gene expression studies, histology and microscopy, and cell culture work. Students also may be involved with animal husbandry and behavioral and cognitive testing.

Areas of Expertise

Inflammation, Developmental Neurobiology, Neurodegenerative Diseases, Exercise Physiology, Modifiable Risk Factors

Affiliations

Psychoneuroimmunology Research Society, American Association for the Advancement of Science, Society for Neuroscience

Event Appearances

Panelist

(2022) Society for Neuroscience

Attendee

(2019) Society for Neuroscience

Attendee

(2018) Society for Neuroscience

Speaker

(2018) Keystone Symposium

Attendee

(2017) Keystone Symposium

Panelist

(2017) Psychoneuroimmunology Research Society

Education

University of Colorado, Health Sciences Center

Ph.D. Immunology

University of Wyoming

M.S. Exercise Physiology

University of Wyoming

B.S. Education

Accomplishments

Wassenich Award for Mentoring in the TCU Community

2014

John V. Roach Honors College Professor of the Year

2013

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