

**Down Syndrome and
Alzheimer's Disease :
Neuroimaging
Biomarkers for
Natural History and
Clinical Trials**

Bradley Christian, PhD

Friday, November 22nd, 2019
11:30 a.m.—12:30 p.m.

Location: PSSB Auditorium, Room G300

Address: 4150 V Street
Sacramento, CA 95817

*For more information, please contact Hillary Brown at
916-734-2614 or habrown@ucdavis.edu*

Dr. Christian's research focuses on developing and translating novel PET methods for the study of neurodevelopment and neuropsychiatric illness. This involves using PET methodologies to investigate neurochemical changes in the brain and studying novel radioligands to characterize neurotransmitter-protein interactions and how they are influenced by development, genes, environment and drugs. These imaging methods are being applied to investigate the etiologies and mechanisms in diseases such as Down syndrome, affective disorders, schizophrenia, Alzheimer's disease and Tourette syndrome. For more information, please visit <https://www.waisman.wisc.edu/staff/christian-bradley/>.

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Bradley Christian, PhD
University of Wisconsin-
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Course Objectives:

1. Gain a familiarity of neuroimaging biomarkers for Alzheimer's disease
2. Understand the biological underpinnings of AD prevalence in Down syndrome
3. Understand the importance of preclinical AD research in Down syndrome for clinical trials and therapeutic development