

"New Strategies for Late-stage Fluorination and PET Imaging of Neurodegenerative Disorders"

"Positron emission tomography (PET) imaging is a powerful, non-invasive tool for the *in vivo*, three-dimensional imaging of physiological structures and biochemical pathways using radiopharmaceuticals – bioactive molecules labeled with positron emitting radionuclides (e.g. ^{11}C , ^{18}F). This seminar will cover new strategies for the synthesis of radiopharmaceuticals (e.g. late-stage fluorination, carbon fixation), and the development of novel radiotracers for functional neuroimaging in dementia."