

Synthesis and Applications of Stable Triarylmethyl Radicals for Biomedical Electron Paramagnetic Resonance

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Low-field electron paramagnetic resonance (EPR) with a molecular spin probe is a powerful technique to profile various biomarkers of the tissue microenvironment. Our laboratory is developing biocompatible and biostable triarylmethyl (TAM) radicals used as spin probes for *in vivo* EPR applications. This presentation will discuss the design, synthesis, and applications of TAM radicals sensitive to important physiological parameters such as dissolved oxygen concentration, pH, inorganic phosphate (Pi) concentration, microviscosity, and enzyme activity.

Students, meet the speaker after the seminar in a student/postdoc session from 5:45-6:15 pm

Date: Wed, Nov. 11, 2020

Time: 4:30-5:30 pm

Location: Virtual Seminar (Zoom)