

“Frontiers in Science” Seminar

Prof. Justin R. Walensky

University of Missouri, USA

Title: Coordination and Reductive Chemistry of Uranium(III) Metallocene Complexes

Date & Time : July 15, 15:00~

Venue : G101 Science Hall (Sugimoto C.)



Abstract: Uranium(III) metallocene complexes are powerful reducing agents for small-molecule activation. This lecture examines the reactivity of aryloxy-supported $[(C_5Me_5)_2U]$ complexes toward CO and related substrates, highlighting the influence of ligand steric effects. Depending on the aryloxy ligand, CO activation affords either a rare uranium carbonyl complex or an ethynediolate species. The synthesis and coordination chemistry of a U(III) allyl complex will also be presented.



School of Science /
Graduate School of Science

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Lecture Series "*Frontiers in Science*"

Prof. Justin R. Walensky

University of Missouri, USA

Title: Chemistry of Actinoid Elements

Date & Time : July 16, 13:15~14:45

Venue : G310 Meeting Room (Sugimoto C.)



Lecture Topic: This lecture will cover the history of organoactinide chemistry, their properties, how they differ from transition metals, and challenges with studying these elements.



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