



ACS Local Section
Pittsburgh

“ON THE ROAD” MEETING

TUESDAY, OCTOBER 22
SAINT FRANCIS UNIVERSITY AND ZOOM
SCIENCE CENTER ROOM 219

5:30 PM - ACS MEETING
6:30 PM - SEMINAR



“Hooked on f-elements”

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The f-elements – the two rows often shown as removed from the rest of the periodic table – have received considerable political and scientific attention due to their importance to hi-tech applications, energy technologies, and national security. Yet, despite the widespread use of the lanthanides in everyday technologies and the actinides perhaps most notably in nuclear energy systems, our understanding of the chemical behavior of these elements lags behind that of the rest of the periodic table. To fill this gap, our group has harnessed structural chemistry to uncover new insights into the fundamental behavior of the 4f- and 5f-elements that may be applied to areas ranging from separations to waste management. Presented here will be an overview of my journey to the f-block, current needs in the community, and the role that structural chemistry plays in understanding the behavior of elements such as the actinides (e.g. Th, U, and Pu) under waste management conditions.



RSVP by Tuesday, October 15 at
<https://forms.gle/yyGjYddtsbKP99JY7>