

Monday, March 25, 2024

11:00am–11:45am

Xiao Su

CAS Beckman Fellow, 2022–23, Chemical & Biomolecular Engineering

***Electrochemically-Mediated
Enantioselective Interaction through
Chiral Redox Metallopolymers***

Chirality plays a critical role in various industrial domains, such as molecular recognition, asymmetric catalysis and chiral purification. Thus, constructing and leveraging precise chiral structures for enantioselective interaction can benefit healthcare, diagnostics, and pharmaceutical manufacturing. In this research, we successively synthesized two types of chiral

metallopolymers containing point chirality and planar chirality, respectively. Our results demonstrate the potential of adopting chiral redox-metallopolymers in electrochemically mediated platforms for enantioselective sensing and separation.

Noon–12:45pm

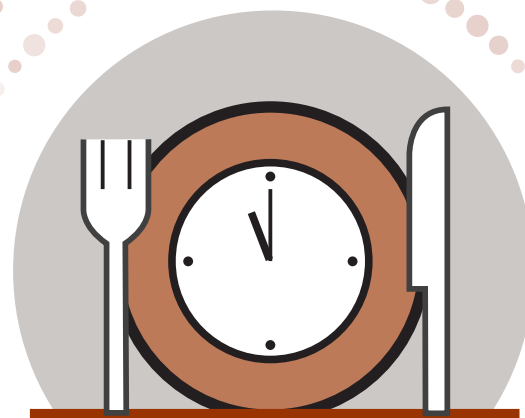
M. Teresa Cardador

CAS Associate 2022–23, Labor & Employment Relations

***Associative Status Elevation Dynamics
between Women in Lower and Higher
Status Occupations***

Drawing from interviews with 42 nurses, this study presents a model highlighting how organizational and occupational systems characterized by high gender and occupational status inequality set the stage for low-status women's need for status elevation and explains how such need shapes low-status women's interactions with high-status actors,

particularly high-status women. The findings shed new light on gender dynamics in the workplace, reveal a novel explanation for tensions and expectations between women collaborating across occupations, and suggest new avenues for research at the intersection of gender and occupational status inequality in the workplace

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