



Researchers present at ACS regional meeting

Posted by Kimber Crull

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Dr. Rainer Glaser, professor of chemistry and interim vice provost for graduate education, and his team of researchers attended the [American Chemical Society Midwest Regional Meeting](#) Oct. 19-21 in Iowa City, Iowa. The event's theme was "Sustainable Chemistry: Leading through change."

The group included S&T chemistry doctoral students Brian Jameson and Harmeet Bhoday, undergraduate chemistry students Ethan Hay, Justin Nulsen and Emilie Overschmidt. [Dr. Glaser's group](#) contributed four research presentations, one lecture and three posters in the division of organic chemistry. The content of one of the presentations was recently highlighted in *Chemical and Engineering News*.

Presentations

- "Rotation-Inversion of Tertiary Carbamates. Synergy of VT NMR Measurements and Computational Analysis of Multi-Paths Isomerization," lecture presentation by Jameson and Glaser.
- "Theoretical Exploration of Possible Mechanisms of the Bromic Acid Oxidation of Malonic Acid via Tartronic Acid to Mesoxalic Acid," poster presentation by Hay and Glaser.
- "Synthesis and Characterization of Novel Donor-acceptor Substituted 1,4-diphenyl-1,3-butadienes: Potential Dipole-parallel Aligned NLO Active Materials," poster presentation by Nulsen, Bhoday and Glaser.
- "Polar and Non-polar Stacking of Perfectly Aligned Parallel Beloamphiphile Monolayers (PBAMs) of (PhO, F)-azine. Importance of Non-covalent Interlayer Interactions," poster presentation by Bhoday, Kelley and Glaser.

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