



# Summer 2024 NSF REU at CLEVELAND STATE UNIVERSITY: *Synthesis, Assembly, and Characterization of Soft Matter*

The departments of Physics and Chemical & Biomedical Engineering at Cleveland State University invite you to experience cutting edge soft matter research in a supportive environment of our Research Experience for Undergraduates (REU) program, sponsored by the National Science Foundation (NSF).

**Program Dates: June – August 2024 (10 weeks)**

**Possible projects include:** electron imaging of soft matter systems; design and characterization of protein-based materials; volume phase transition in polymer microgels; assembly of anisotropic nanoparticles; imaging of polymers on surfaces; microfluidic channels and mixers; DNA origami; microemulsions in absinthe; cellular microsensation to fluid flow; waste to energy via chemistry.

**Support:** \$6000 stipend (for 10 weeks; housing provided at no charge); up to \$500 travel funds to CSU; \$500 conference travel funds after completion of REU.

**Eligibility:** current undergraduate students who are US citizens and permanent residents. Underrepresented minorities and women are encouraged to apply.

**Priority deadline February 15, 2024**

**Contact:** Dr. Kiril Streltzyk and Dr. Jessica Bickel, [softmatterreu@csuohio.edu](mailto:softmatterreu@csuohio.edu)

**Website:** <http://www.csuohio.edu/sciences/physics/soft-matter-reu>



Trip to Advanced Materials and Liquid Crystal Institute at Kent State U.



Trip to NASA Glenn Research Center



At the APS CUWIP conference

