

# **FY21 CSES Chick Keller Postdoc Fellows**

**Marie Kroeger**

**Group:** B-11

**Mentor(s):** J. Dunbar, B-11; S. Sevanto, EES-14

**Focus Area:** Biological Systems

**Project Title:** Unlocking Microbiome Engineering Potential for Food Security

**Wendy Caldwell**

**Group:** XCP-1

**Mentor(s):** J. Fung XCP-1, A. Hunter and C. Plesko XCP-5

**Focus Area:** Planetary

**Project Title:** Modeling Impacts on Rocky Asteroids for Potentially Hazardous Object Mitigation

**Christopher Ren**

**Group:** ISR-3

**Mentor(s):** James Theiler ISR-3, P. Johnson EES-17

**Focus Area:** Geophysics

**Project Title:** Earthquake Interaction

**Jeffrey Broll** (CSES Research Associate)

**Group:** ISR-1

**Mentor(s):** G. Cunningham, M. Henderson, ISR-1

**Focus Area:** Space

**Project Title:** Positron-Emission Tracing of Magnetotail Evolution (PETME): An Investigation of Magnetotail Energy Storage and Topology

**Patrick Kilian**

**Group:** T-2

**Mentor(s):** Hui Li (T-2), Fan Guo (T-2)

**Focus Area:** Astrophysics

**Project Title:** Kinetic Studies of Magnetic Turbulence, Dissipation and Particle Energization

**Maria Pinilla** (CSES Research Associate)

**Group:** ISR-1

**Mentor(s):** J. Tutt XCP-1, K. Mesick ISR-1

**Focus Area:** Planetary

**Project Title:** Development of Autonomous System to Detect Water and Raw Materials