

FY22 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

Evan Thaler

Group: EES-14

Mentor(s): Joel Rowland, Nathan Conroy, Jeffrey Heikoop

Focus Area: Earth Systems

Project Title: Quantifying the Influence of Permafrost Soil Erosion on the Global Carbon Cycle

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

Justin Holmes

Group: T-5

Mentors: Gian Luca Delzanno

Focus Area: Space

Project Title: Explaining the Origin of Highly-oblique Whistler Waves in the Inner Magnetosphere

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

