

# A Field Trip to the White Mountains with the California GLORIA Project



## JOIN US for a fun and educational stay at WMRC's Crooked Creek Research Station at 10,200 ft in the White Mountains

The international GLORIA project (Global Observation & Research Initiative in Alpine Environments) monitors alpine plants at risk from climate change at the tops of the world's highest mountains.

This year, the California GLORIA field crew is holding an open-invitation field trip. Interested parties are encouraged to come join us and learn about the alpine environment. Educational walks, hiking tours, and lectures will be led by some of the scientists who know the White Mountains best.

Accommodations are at the UC White Mountain Research Center's Crooked Creek Research Station, a lovely high elevation mountain lodge surrounded by ancient bristlecone & limber pines. Three delicious meals a day are included.

### Additional information:

email: [adelia@biology.ucsc.edu](mailto:adelia@biology.ucsc.edu)  
<http://www.gloriacalifornia.org>



### **Session 1**

Sat July 20<sup>th</sup> - Wed July 24<sup>th</sup>

### **Session 2**

Wed July 24<sup>th</sup> - Sun July 28<sup>th</sup>

### **The Full GLORIA Experience**

Sat July 20<sup>th</sup> - Sun July 28<sup>th</sup>

Prices range from \$60-\$85/night per person depending on room type (shared room, private room with shared bath, or private room with private bath). See our website for details!



### **Field Trip Daily Outings (weather permitting):**

- All participants will have the chance to hike White Mountain Peak with the GLORIA crew while collecting data. We may drive part of the road past Barcroft Station, depending on cars & weather. \*Tentative dates July 23 & July 27

Other potential trips:

- Take an educational tour of alpine plant life at the treeline ecotone around Patriarch Grove, and then join the GLORIA data team surveying plants at the top of Sheep Mtn.
- Hike through a unique bristlecone grove and past an old miners' encampment to reach the top of Blanco Mtn, then help the GLORIA team record plants at the top.
- Join an adventure to the largest relict grove of bristlecones in the Whites. This is a fantastic experience for those who love bristlecones!
- Drive to Barcroft Research Station and hike Mt. Barcroft, learning about the upper alpine zone plants and helping the GLORIA team record plants at the top of Mt. Barcroft
- Take an educational tour of some of the oldest high-elevation bristlecone pines on Campito Mtn, then join the GLORIA team laying out transects near the top of Campito.
- Thunderstorm permitting, join us for a descriptive program on mountain weather, and some field observations of clouds and storms as their occurrence permits

### **Field Trip Leaders**

#### ***Adelia Barber***

Adelia has spent many summers in the White Mtns researching bristlecone dynamics as part of her dissertation at UCSC, she has been working with the GLORIA project since 2006.

#### ***Jim & Catie Bishop***

Jim & Catie Bishop have been an essential part of the GLORIA project since the very first California survey in 2004. They are both active in the state CNPS (California Native Plant Society) organization; Jim is our thunderstorm specialist and Catie is one of our alpine botanists.

#### ***Chris Kopp***

Chris has been researching alpine plants in the White Mountains as part of his dissertation at UCSD for the past 4 years, and has explored much of the high-elevation terrain in the White Mtns.

#### ***Connie Millar***

Connie is a research scientist with the US Forest Service's Pacific Southwest Research Station, and has been critical to the establishment of GLORIA sites in the western states.

#### ***Jan Nachlinger***

Jan is a botanist/plant ecologist and collects vascular plants & bryophytes in the Great Basin, Mojave Desert, and Sierra Nevada. She has volunteered on GLORIA projects since 2009.

#### ***Tim Forsell***

Tim is a naturalist with deep knowledge of the botany, geology, and anthropology of the White Mtns. He is also one of the only long-time residents of the high-altitude White Mountains.

#### ***Dylan Neubauer***

Dylan is a botanist and a long-time CNPS member. She has spent the last two summers working in the White Mountains and has cataloged the Crooked Creek herbarium.

