

Abbreviated Project Name	Principal Investigator	winter operations	electronics	staffing level	room and board	current or future	funding agency
Polarization of Cosmic Background Radiation	Phil Lubin, UC Santa Barbara	++	++	+	++	c	NSF
Cardio-pulmonary Consequences of Growth at High Altitude	Bob Johnson, UTSMC	++	0	++	0	c	NIH
Mechanisms of Compensatory Lung Growth	Connie Hsia, UTSMC	++	0	++	0	c	NIH
Genetics and Plasticity in Adaptation to High Altitude	Kim Hammond, UC Riverside	++	0	++	0	c	NSF
Evolutionary Physiology of Deer Mice	Kim Hammond and Mark Chappell, UC Riverside	++	0	++	0	c	NSF
Fetal and Adult Adaptations to Long-Term Hypoxemia	Lawrence Longo, Loma Linda University	+	0	++	0	c	NIH
Studies of cosmic background radiation	Adrian Lee, UC Berkeley	++	++	+	++	f	NSF
Nitrate and Sulfate Aerosol Isotope Analysis	Justin McCabe/Mark Thiemens, UC San Diego	++	0	+	+	c	
The Effects of Aerosols on Snow Formation at High Elevation	Doug Lowenthal, Desert Research Institute	++	++	+	++	f	NSF
Mountain Climate Network monitoring system	Kelly Redmond, Desert Research Institute	++	++	+	+	c	
Effects of high altitude radiation on electronics equipment	Ray Mattheis, Xilinx Corporation	++	++	+	+	c	
Effects of high altitude radiation on electronics equipment	Eugene Norman, Boeing Corporation	++	++	+	+	f	
Double Body Temperature Logging for Remote Sensing in Extreme Env.	Craig Frank, Fordham University	++	++	+	++	c	NSF
Microsite Effects on the C4 Grass <i>Muhlenbergia richardsonis</i>	Archie Meyer, CSU San Bernardino	0	+	+	++	c	
Ecology of <i>Muhlenbergia richardsonis</i> in the White Mountains	John Skillman, CSU San Bernardino	0	+	+	++	c	
Photosynthetic Performance and Cold Tolerance of <i>Muhlenbergia richardsonis</i>	Rowan Sage, Univ. Toronto	0	+	+	++	c	RC
Physiological changes in pulmonary artery pressure during Acclimatization	Gerald Dubowitz, UC San Francisco	+	++	+	++	c	NIH
Mountain Magnetic Resonance Imaging (MMRI) Project	Frank Powell, UC San Diego	0	++	+	++	f	NIH
Physiological plasticity in varanid lizards	Jame Hicks, UC Irvine	0	++	+	+	c	NSF
Physiological genomics of Deer Mice	Hopi Hoekstra, UC San Diego	++	0	++	0	f	NSF

winter operations: (++) all winter (+) partial winter (0)no winter months
electronics: (++) continuous high bandwidth internet to computing devices; (+) electronic equipment; (0) no electronic equipment
staffing level needed: (++) full time (24/7); (+) part time assistance; (0) no assistance needed
room and board: (++) required during study; (+) required during set-up and take-down; (0) not required
current or future: "f" future project in planning stages;"c" in progress or recently completed

Table 2. Barcroft Research Projects, current and pending