

Current and Pending Research Support
Investigator: Christopher K. Walker

CURRENT SUPPORT:

Project title: Development of a Submillimeter-wave Superheterodyne Camera (SuperCam) for the Heinrich Hertz Telescope

Source of Support: NSF MRI Program AST-0421499

POC: Andrew Clegg, aclegg@nsf.gov, (703) 292-4892

Total Award Amount: \$2,137,481 Total Award Period Covered: 09/01/04 - 12/31/09

Location of Project: The University of Arizona

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 1.0

Project title: The Stratospheric TeraHertz Observatory

Source of Support: NASA NNX08AG39G

POC: Bernice Merritt, bernice.a.merritt@nasa.gov, (757) 824-1353

Total Award Amount: \$1,735,879 Total Award Period Covered: 01/28/08 - 01/27/12

Location of Project: The University of Arizona

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 1.0

Project title: STTR Phase II: Coherent THz Sources and Amplifiers Using Carbon Nanotubes

Source of Support: NSF MRI Program AST-0421499

POC: Juan Figueroa, jfigueroa@nsf.gov, (703) 292-8050

Total Award Amount: \$496,705 Total Award Period Covered: 02/15/08- 02/14/10

Location of Project: The University of Arizona

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 1.0

Project title: A 2.7 THz Local Oscillator Chain to Enable Spectroscopy from a Balloon Platform

Source of Support: JPL - SURP

POC: Imran Mehdi, imran.mehdi@jpl.nasa.gov, (818) 354-2001

Total Award Amount: \$48,500 Total Award Period Covered: 7/10/08-08/03/09
07/01/07 - 06/30/08

Location of Project: The University of Arizona

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 0.56

Project title: HIGGS: Herschel Guest Investigator Key Project

Source of Support: NASA Herschel Science Center

POC: George Helou, gxh@ipac.caltech.edu, (612) 626-2067

Total Award Amount: \$354,584 Total Award Period Covered: 07/14/08- 01/15/12

Location of Project: The University of Arizona

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 1.0

PENDING SUPPORT:

Project title: A 4-6K Cryocooler for ULDB Astronomy

Source of Support: NASA NNH08ZDA001N

POC: Bernice Merritt, bernice.a.merritt@nasa.gov, (757) 824-1353

Total Award Amount: \$580,000 Total Award Period Covered: 01/28/10 - 01/27/12

Location of Project: The University of Arizona

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 0.5 (yr. 3)

Project title: High Elevation Antarctic Terahertz (HEAT) telescopes for Dome A and Ridge A

Source of Support: NSF OPP

POC: Vladimir O. Papitashvili, vpapita@nsf.gov, (703) 292-7425

Total Award Amount: \$1,511,020 Total Award Period Covered: 01/01/10 - 12/31/12

Location of Project: The University of Arizona (PI. C. Kulesa)

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 1.0

Project title: Development of the Atacama Sub-millimeter Telescope Robotic Observatory (this proposal)

Source of Support: NSF MRI-R2

POC: Randy Phelps, rphelps@nsf.gov, (703) 292-8040

Total Award Amount: \$614,057 Total Award Period Covered: 02/01/10 - 12/31/2013

Location of Project: The University of Arizona

Person-Months Per Year Committed to the Project: Cal: Acad: Sumr: 1.0
