

# KNAC Student Astronomy Research Symposium

All sessions are in Science Center 101

Breakfast/coffee 8:15–9:00

Session 1: 9:00–10:30

**A Survey of the Discrete X-ray Source Population of M51**

Catherine Martlin, Swarthmore College and Greg Schulman, Wesleyan University/Clark University

**Multiplicity of High-z SMGs**

David Ball, Whitman College

**Discovery of Compact Quiescent Galaxies at Intermediate Redshifts in DEEP2**

Kirsten N. Blancato, Wellesley College

**Exploring the Properties of Radio-Faint Quasars: Loudness and Reddening**

Kathryn Kooistra, Muhlenberg College

**Optical Variability of the Blazar BL Lacertae During Summer 2014**

Katie Karnes, Colgate University, and Anneliese Rilinger, Williams College

**The Optical and Radio Variability of the Blazar 3C 454.3**

Luna Zagorac and Zachary Weaver, Colgate University

Break and poster viewing: 10:30–10:50

Session 2: 10:50–12:15

**Examining Social Movements within the Context of Space Astronomy Policy and their Implications for New Models of the Academic Research Cycle**

Hannah E. Harris, Wellesley College

**Protoplanetary Disks in Chamaeleon I**

Lindsay DeMarchi, Colgate University

**Constraining Dust Properties in Dense Molecular Cloud Cores**

Trevor Dorn-Wallenstein, Wesleyan University; Carolyn Morris, Colgate University; Angelica Rivera, Vassar College; Gregory Zengilowski, Colgate University

**Surveying White Dwarfs for Transiting Exoplanets**

Girish Duvvuri, Wesleyan University

**Detection of the Slope of Rayleigh Scattering Using HYDRA**

Coady Read Johnson, Wesleyan University

**Resolving the Dusty Debris Disk of 49 Ceti**

Jesse Lieman-Sifry, Wesleyan University

Lunch: 12:15–1:00

Session 3: 1:15–2:30

**LSST Site: Sky Brightness Data**

Jamison Burke, Swarthmore College

**An Exploration of Supernova Light Curve Production Methods: Application to SN 1991M in IC 1151**

Joshua Reding, Colgate University

**RR Lyrae in Boötes II**

Conor Hunt, Wesleyan University

**Time Series Photometry of Contact Binaries**

Claire Freehafer, Colgate University, Caitlin Rose, Vassar College, and Megan Lewis, Vassar College

**Narrowband Color-Magnitude Diagrams for Young Open Clusters**

Michael May and Sarah Stevenson, Williams College

Break and poster viewing: 2:30–2:50

Session 4: 2:50–3:30

**Morphometry of secondary impact craters from Zunil and Gratteri Craters on Mars**

Arden Radford, Wellesley College

**Occultations by Pluto and other trans-Neptunian objects**

Adam Schiff, Middlebury College

**Using Eclipse Images to Monitor Solar Activity**

Tina Seeger, Williams College

Posters:

**Analyzing Hydrogen Recombination Lines in the Infrared and Optical to Determine Extinction and SFRs of Local LIRGs**

Anna Payne, Wellesley College