The LSST Science Collaborations

Lucianne Walkowicz
The Adler Planetarium
LSST Science Collaboration Coordinator
Director, LSST Data Science Fellowship Program

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The LSST Science Collaborations

- Topical working groups which provide scientifically-motivated guidance to survey design and implementation

- Membership open to all community with LSST data access rights (US, Chile, international contributors)

http://lsst.org/participate

Science Collaborations

- Galaxies
- Stars, Milky Way & Local Volume
- Solar System
- Dark Energy
- AGN
- Transients & Variable Stars
- Large-scale Structure
- Strong Lensing
- Informatics & Statistics

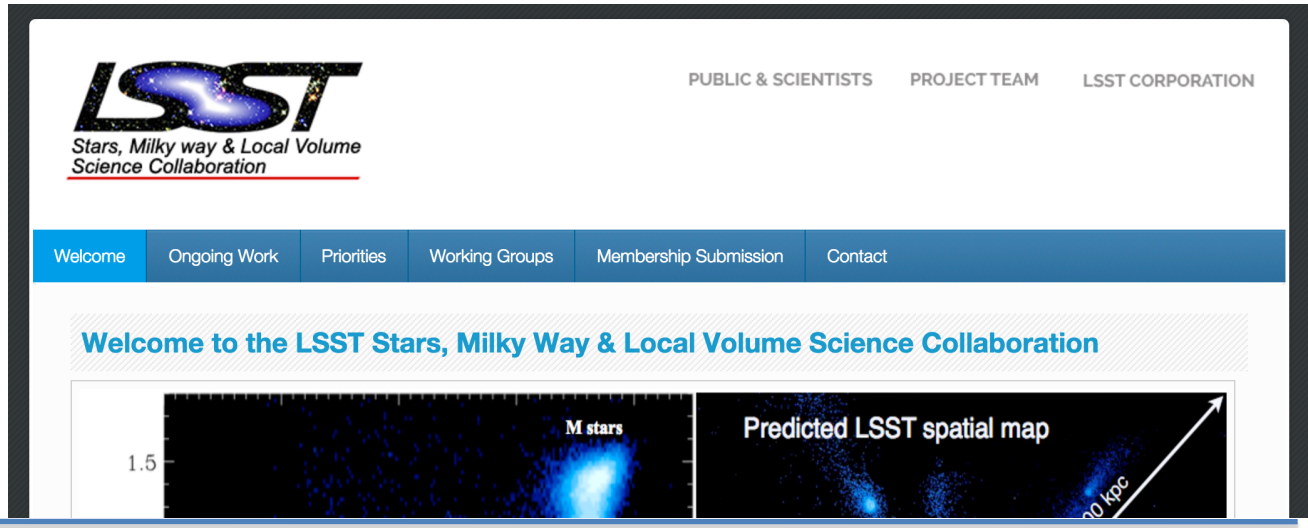
Science Collaborations

- **Galaxies**
  Michael Cooper (UC Irvine) & Brant Robertson (UCSC)
- **Stars, Milky Way & Local Volume**
  John Bochanski (Rider); John Gizis (U Delaware); Nitya Kallivayalil (U VA)
- **Solar System**
  Lynne Jones (UW); David Trilling (NAU)
- **Dark Energy**
  Rachel Bean (Cornell); Jeff Newman (Pitt)
- **AGN**
  Niel Brandt (Penn State)
- **Transients & Variable Stars**
  Federica Bianco (NYU); Ashish Mahabal (Caltech)
- **Large-scale Structure**
  Eric Gawiser (Rutgers); Shirley Ho (CMU)
- **Strong Lensing**
  Phil Marshall (KIPAC)
- **Informatics & Statistics**
  Tom Loredo (Cornell); Chad Shafer (CMU)

Activities within the Science Collaborations

- Observing Strategy Optimization
- Identifying opportunities and challenges
- Roadmap development
- Websites
- Workshops

http://ls.st/f3q



LSSTC Data Science Fellowship Program

- A series of survey-science-focused schools, designed to supplement graduate curricula with skills researchers will need to make best use of LSST data
  - e.g., image processing, machine learning, statistics, scalable programming, data management, visualization
- Now hiring postdoc (50/50 research & program development):

http://ls.st/vll