

Dr. Pamela M. Marcum (Science PI):

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Education

1994, University of Wisconsin, Ph.D., Astrophysics
1989, Florida Institute of Technology, M.S., Space Science
1989, Florida Institute of Technology, M.S., Physics
1987, Florida Institute of Technology, B.S., Space Science

Appointments

2016–present, research scientist, NASA Ames Research Center
2020–2021, program officer (on detail), NASA HQ, Washington, D.C.
2009–2016, SOFIA project scientist, NASA Ames Research Center
2005–2008, program officer (IPA), NASA HQ, Washington, D.C.
2003–2009, associate professor, Texas Christian University (Fort Worth, TX)
1996–2002, assistant professor, Texas Christian University (Fort Worth, TX)
1994–1996, postdoctoral fellow, University of Virginia

Additional Awards, Positions, Fellowships and Proposals

2018–present, Roman Space Telescope Standing Review Board
2023–2025, Chandra AR24610329: Exploring the Origin of Lenticular Galaxies

Publications relevant for the proposal:

- Ossa-Fuentes, L., Borlaff, Beckman, J.E., Marcum, P.M. & Fanelli, M.N. 2023, "Flares, Warps, Truncations, and Satellite: The Ultra-thin Galaxy UGC 11859", ApJ , 951, 1490
- Borlaff, A.S., Lopez-Rodriguez, E., Beck, R., et.al. (inc. **Marcum, P.M.**), 2023, "Extragalactic magnetism with SOFIA (SALSA Legacy Program) V: First results on the magnetic field orientation of galaxies", ApJ, 952, 4
- Lopez-Rodriguez, E., Mao, S.A., Beck, R., et al. (inc. **Marcum, P.M.**), 2022, "Extragalactic magnetism with SOFIA (SALSA Legacy Program) IV: Program overview and first results on the polarization fraction", ApJ, 936, 92
- Lopez-Rodriguez, E., Clarke, M., Shenoy, S., et al. (inc. **Marcum, P.M.**), 2022, "Extragalactic magnetism with SOFIA (SALSA Legacy Program) III: First data release and on-the-fly polarization mapping characterization", ApJ, ApJ, 936, 65
- Borlaff, A.S., Gómez-Alvarez, P., Altieri, B., **Marcum, P.M.**, et al, 2022, "Euclid preparation XVI: Exploring the ultra-low surface brightness Universe with Euclid/VIS", A&A, 657, 92
- Borlaff, A.S., Lopez-Rodriguez, E., Beck, R., et al. (inc. **Marcum, P.M.**), 2021, "Extragalactic Magnetism with SOFIA(Legacy Program) I: The magnetic Field in the Multiphase Interstellar Medium of M51", ApJ, 921, 128

Dr. Pamela M. Marcum (Administrative PI):

NASA Ames

Education

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- Borlaff, A.S., Lopez-Rodriguez, E., Beck, R., et.al. (inc. **Marcum, P.M.**), 2023, "Extragalactic magnetism with SOFIA (SALSA Legacy Program) V: First results on the magnetic field orientation of galaxies", *ApJ*, 952, 4
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