



**Curriculum Vita
May 2025**

Instructor: Dr.Samantha Kaj Blair, Astronomy

Academic Department: College of Innovation and Design

Phone: N/A

University Email Address: Samantha.Blair@etamu.edu

Faculty Web Page Address: N/A

East Texas A&M University Addresses:

Main Campus: PO Box 3011, Commerce, TX 75429-3011

Dallas Site: 8750 North Central Expressway, Suite 1900, Box 30, Dallas, TX 76231

College of Innovation and Design Office Phone: 214.954.3615 & 903.886.5878

EDUCATION

Master of Studies in Law
Lewis and Clark Law School, 2023

Doctor of Philosophy
University of Georgia, 2008

Masters of Science
Auburn University, 2000

Bachelor of Science
Auburn University, 1997

TEACHING EXPERIENCE

2024-present, **Part-time Instructor of Physics and Astronomy**, Dalton State College
2013 – 2024, **Associate Professor of Physics and Astronomy**, Dalton State College

2023 – Present, **Adjunct Faculty in Astronomy**, East Texas A&M

2019 – 2024, **Adjunct Faculty in Physics Online**, USG eCore System

2004 – 2017, **Adjunct Faculty in Astronomy and Biology**, Georgia Perimeter College

PROFESSIONAL EXPERIENCE

2011 – 2013, **ALMA Commissioning and Verification Scientist**, Joint ALMA Observatory, Chile

2010 – 2011, **Support Scientist - Hat Creek Radio Observatory**, Allen Telescope Array – UC Berkeley, CA

2009 -2010, **SETI Institute – Postdoctoral Associate**, Mountain View, CA USA

2003 – 2008, **Research/Teaching Assistant**, Dept. of Physics and Astronomy University of Georgia

1999 – 2001, **Research/Teaching Assistant**, Dept of Botany/Microbiology, Auburn University

PUBLICATIONS

1. “SETI Observations of Exoplanets with the Allen Telescope Array,” (In submission, July 2016) Harp, G.R., Richards, J. C., Dreher, J., Jordan, J., Shostak, S., Smolek, K., Kilsdonk, T., Wilcox, B.T., Wimberly, M.K. R., Ross, J., Barott, W., Ackermann, R., F., and **S.K. Blair**. Submitted to Astrophysical Journal.

2. “LCROSS (Lunar Crater Observation and Sensing Satellite) Observation Campaign: Strategies, Implementation, and Lessons Learned,”(2012) J.L. Heldman et al., (**S.K Blair 13/56 authors**); Space Science Reviews Vol 167, No 1-4. 93-140.

3. “The Allen Telescope Array Pi GHz Sky Survey II. Daily and Monthly Monitoring for the Transients and Variability in the Bootes Field”, (2011) Bower G.C., Whysong, D., **Blair, S.**, Croft, S., Keating, G., Law, C., Williams, P.K., Wright M.C.H. The Astrophysical Journal, Volume 739, Issue 2, article id. 76.

4. “Primary Beam and Dish Surface Characterization at the Allen Telescope Array by Radio Holography,” Harp, G. R., Ackermann, R.F., Nadler, Z. J., **Blair, S.K.**, Davis, M. M., Wright, M.H.C., Forester, J.R., DeBoer, D., Welch, J. (2011) IEEE Transactions on Antennas and Propagation, Vol 59, Issue 6, pp. 2004-2021.

5. “Formaldehyde in the far Outer Galaxy: Constraining the Outer Boundary of the Galactic Habitable Zone,” **Blair, Samantha K.**, Magnani, Loris, Brand, Jan, Wouterloot, Jan, G.A.; Astrobiology, Volume 8, Issue 1; 2008; p. 59-73.

6. "CH 3 GHz Observations of Molecular Clouds along the Galactic Plane," Magnani, Loris; **Lugo, Samantha**; Dame, T.M.; The Astronomical Journal; Volume 130; Issue 6; 2005; p. 2725--2731.
7. "Life at the edge of methane ice: methane and sulfate reduction in sediments from the Gulf of Mexico cold seeps," Orcutt, B.N., Boetius, A., **Lugo, S.K.**, MacDonald, V., Samarkin, V, Joye, S.B. Chemical Geology; 205(3/4); 2004.
8. "The anaerobic oxidation of methane and sulfate reduction in sediments from the Gulf of Mexico cold seeps," Joye, S.B., Boetius, A., Orcutt, B.N., Montoya, J.P., Schulz, H.N., Erickson, M.J., **Lugo, S.K.**; Chemical Geology; 205(3/4); 2004; p. 219-238.
9. "Required sequence elements for chloroplast DNA replication activity in vitro and in electroporated chloroplasts," **Samantha K. Lugo**, Muthusamy Kunnimalaiyaan, Narendra Singh, Brent L. Nielsen; Plant Science; Volume 166; 2004; p.151-161.

RESEARCH GRANTS AND AWARDS
