CURRICULUM VITAE - ADAM K. LEROY

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EMPLOYMENT

- 2022 to present – Professor, Department of Astronomy, Ohio State University
- 2018 to 2022 – Associate Professor, Department of Astronomy, Ohio State University
- 2015 to 2018 – Assistant Professor, Department of Astronomy, Ohio State University
- 2014 – Associate Astronomer, National Radio Astronomy Observatory
- 2011 to 2014 – Assistant Astronomer, National Radio Astronomy Observatory
- 2009 to 2011 – Hubble Fellow, National Radio Astronomy Observatory
- 2006 to 2009 – Postdoctoral scholar, Max Planck Institute for Astronomy, advisor: Fabian Walter

EDUCATION

- 2006 – Ph. D. in Astrophysics, University of California at Berkeley, advisors: Leo Blitz & Alberto Bolatto
- 2002 – M.A. in Astrophysics, University of California at Berkeley
- 1999 – B.A. in Astronomy and Astrophysics and Physics (Magna Cum Laude), Harvard University

RESEARCH INTERESTS

The Interstellar Medium; Galaxies; Star Formation; Radio, Millimeter, and Infrared Observations

RESEARCH FOCUS IN 2022

Panchromatic surveys of the local galaxy population at high resolution including using ALMA and JWST; a major new radio survey of the Local Group of galaxies; formation and feedback in super star clusters; connecting the local galaxy population to large-scale surveys; mm- and sub-mm spectroscopic surveys of local galaxies

MAIN RESEARCH COLLABORATIONS

PHANGS (co-founder/project scientist), Local Group L Band Survey (PI), *z0*MGS (co-lead), DEGAS, EMPIRE, HERACLES (co-PI), THINGS, KINGFISH, EDGE-CALIFA

RESEARCH PUBLICATIONS & PRESENTATIONS

236 refereed journal articles, 23 as first author, 42 as second author, 37 as third author, h-index 70, total citations 21,150, ~ 32 invited colloquia and conference talks from 2015 – present
My NASA ADS Library: https://ui.adsabs.harvard.edu/public-libraries/yCgLIpG3RZqg_6Tz41O1gw

MENTORSHIP AND ADVISING (PH.D. STUDENTS):

Loreto Barcos Munoz (UVa 2017), Molly Gallagher (OSU 2019), Sarah Kessler (OSU, 2021), Jiayi Sun (OSU 2021), Ness Mayker Chen (OSU, expected 2024), Frank Bigiel (mentor, U. Heidelberg 2008), Andreas Schruba (mentor, U. Heidelberg 2010)

MENTORSHIP AND ADVISING (POSTDOCTORAL SCHOLARS):

Alexia Lewis (CCAPP Fellow, OSU), Dyas Utomo (OSU), Amy Sardone (NSF Fellow, OSU), Samantha Benincasa (CCAPP, NSERC, Presidential Fellow, OSU), Sumit Sarbadhicary (CCAPP, OSU) and I support the scientific development of many postdoctoral scholars and students across my research collaborations

MENTORSHIP AND ADVISING (UNDERGRAD AND MASTERS STUDENTS):

Cheoljong Lee (UVa MA), John Allan (UVa MA), Josh Machado (OSU MA), Ashley Bemis (NRAO REU), Ashley Reichardt (NRAO REU), Stephen Pardy (NRAO REU), Jennifer Kadowaki (NRAO REU), Dan Wavle (NRAO REU), Erica Behrens (OSU), Serena Cronin (OSU)

TEACHING & COMMUNITY TRAINING:

Courses Taught as Primary Instructor: Undergrad introductory lab *"From Planets to the Cosmos"* (OSU 2018, 2019, 2020, 2021), Undergrad introductory "C*osmology: The History of the Universe"* (2018), Graduate*"Interstellar and Intergalactic Medium"* (2017, 2019, 2021), Undergraduate introductory *"Life in the Universe"* (OSU 2015, 2016, 2017), Graduate *"Radio Astronomy"* (U. Va., 2014, with J. Condon)

Community Training: Lecturer at 2009 IRAM Summer School, 2012 NRAO Synthesis Imaging Summer School, 2021 International School on the ISM in Galaxies • ALMA community outreach efforts, 2011-2012 • Lecturer at International School on the Interstellar Medium 2021

AWARDS:

Humbolt Research Award, 2021, Astor Visiting Professor, Oxford, 2018, NSF CAREER Award, 2017, Hubble Fellowship taken at NRAO, 2009, Patzer Prize for paper by junior scientist, MPIA, 2009, Outstanding Graduate Student Instructor, UC Berkeley, 2005, Leo Goldberg Astronomy Thesis Prize, Harvard, 1998

COMMUNITY AND PROFESSIONAL SERVICE SINCE 2015:

Future and Current Facility Support: working group lead in support of a Next Generation Very Large Array (ngVLA, 2014-2016), ngVLA Science Advisory Committee (2018-persent), advocacy and white paper preparation in support of high frequency capabilities for the Green Bank Telescope, panelist for NSF review of NRAO (2018, 2020), CASA User's Committee (2021-2022, chair 2022), AUI NRAO visiting committee (2021), VLA to ngVLA Transition Advisory Council (2022), PRIMA IR probe working group member (2021-) **Refereeing:** Referee for Astronomy & Astrophysics, Astrophysical Journal, MNRAS, Nature (~ 3-5 papers per year). • Reviewer for the NSF, JWST, HST, VLA, SOFIA, GBT, MeerKAT and other facilities (~2 per year). **Conference Organization:** Scientific Organizing Committee for 7 conferences

OUTREACH SINCE 2015:

Ohio Supercomputing Center "Summer Institute" Project Lead (2016 – 2019): I ran an intensive two-week project working with STEM-interested Ohio high school students in which they learn programming and research using VLA and *Spitzer* data. I also give regular public talks around the Columbus area.

DEPARTMENTAL SERVICE AT OHIO STATE UNIVERSITY:

Graduate Studies Committee (chair 2019-present, member 2015-2017), **CCAPP Science Board** (2020-2021), **Graduate Admissions Committee** (2015-2018, co-chair 2016-2017, chair 2017-2018, 2018-2019), **Astro Coffee Co-Coordinator** (2015-present), **Departmental Time Allocation Committee** (2015-2016)

RESEARCH FUNDING SINCE 2015:

National Science Foundation: 4 successful NSF proposals, including an NSF CAREER award ("CAREER: Observing the Physics of Star Formation in Galaxies." Two NRAO student observing support awards **NASA:** 2 successful NASA ADAP proposals, 3 funded *Hubble* Space Telescope programs (2 PI, 1 co-I), 3 funded JWST programs (1 co-PI, 2 co-I), **Total Funding:** Approximately $2.2M total awarded to my home institution (almost all to fund students and postdocs)