

Adam Smercina

Hubble Fellow

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EDUCATION

AUGUST 2020	University of Michigan <i>Ph.D. Astronomy & Astrophysics</i>
MAY 2017	University of Michigan <i>M.S. Astronomy & Astrophysics</i>
MAY 2015	University of Toledo <i>B.S. Physics, Minor in Mathematics</i>

PROFESSIONAL APPOINTMENTS

AUG 2024– CURRENT	NASA Hubble Fellow Host: Kristen McQuinn	Space Telescope Science Institute
AUG 2020– AUG 2024	Postdoctoral Scholar Mentor: Julianne Dalcanton	University of Washington
SEP 2015– AUG 2020	Graduate Research Fellow Advisor: Eric Bell	University of Michigan
FEB 2012– JULY 2015	Undergraduate Researcher Advisor: J.D. Smith	University of Toledo
MAY–AUG 2014	Summer REU Student Advisor: Christy Tremonti	University of Wisconsin-Madison

GRANTS AS PI

9 grants, totaling **\$3.2 million**

Grant	Year	Funding Agency	Amount
ROSES Roman WFS 24-ROMAN24-0030	2025	NASA	\$980,596
James Webb Space Telescope GO-8726	2025	NASA	\$184,400
James Webb Space Telescope GO-8277	2025	NASA	\$401,000
James Webb Space Telescope GO-5145	2024	NASA	\$744,400
NASA Hubble Fellowship	2024	NASA	\$377,000
Hubble Space Telescope GO-16191	2020	NASA	\$206,000
Hubble Space Telescope GO-16185	2020	NASA	\$93,000
Rackham Predoctoral Fellowship	2019	Univ. of Michigan	\$44,000
NSF Graduate Research Fellowship	2016	NSF	\$138,000

HONORS & AWARDS

AURA Future Leader	March 2025
NASA Hubble Fellowship	Aug. 2024–Aug. 2027
Ralph B. Baldwin Prize in Astronomy <i>University of Michigan</i>	March 2022
Honorable Mention, AAS Rodger Doxsey Travel Prize	January 2021
Alternate, Pappalardo Postdoctoral Fellowship in Physics (2020–2023)	December 2019

Massachusetts Institute of Technology

Rackham Predoctoral Fellowship Sep. 2019–Aug. 2020
University of Michigan

National Science Foundation Graduate Research Fellowship Sep. 2016–Aug. 2020
Outstanding Graduating Senior, College of Nat. Science & Math. May 2015
University of Toledo

Robert and Noreen Stollberg Award April 2014
University of Toledo

Chad Tabory Award for Outstanding Undergraduate Research April 2013 & 2015
University of Toledo

INVITED TALKS

University of Wyoming Physics & Astronomy Colloquium October 2025
Laramie, WY, USA

University of Kentucky Astronomy Seminar September 2025
Lexington, KY, USA

Roman Science Quarterly September 2025
Baltimore, MD, USA

Near field science with the Roman High Latitude Wide Area Survey August 2025
Pasadena, CA, USA (Remote)

STScI/JHU Joint Colloquium April 2025
Baltimore, MD, USA

Central Michigan University Physics Colloquium March 2024
Mt. Pleasant, MI, USA

University of Washington Astronomy Colloquium May 2023
Seattle, WA, USA

Tufts University Physics & Astronomy Colloquium April 2023
Medford, MA, USA

CCA Galactic Dynamics Community Meeting November 2022
New York, NY, USA

Rutgers University Journal Club November 2022
Piscataway, NJ, USA

University of Victoria Physics and Astronomy Seminar October 2022
Victoria, BC, CAN

NRC-HAA Colloquium October 2022
Victoria, BC, CAN

Univ. of Michigan Ralph B. Baldwin Prize Colloquium June 2022
Ann Arbor, MI, USA

Univ. of British Columbia Astronomy Colloquium October 2021
Virtual

DELVE Collaboration Meeting October 2021
Virtual

JINA-CEE Chemical Evolution Workshop March 2020
Cambridge, MA, USA

DiRAC Institute Seminar December 2019
Seattle, WA, USA

Caltech TAPIR Seminar September 2019
Pasadena, CA, USA

UC Irvine Astrophysics Seminar September 2019
Irvine, CA, USA

Carnegie Observatories Lunch Talk September 2019

Pasadena, CA, USA

Univ. of Michigan Galaxy Group Seminar
Ann Arbor, MI, USA

April 2018

NRAO TUNA Lunch Talk
Charlottesville, VA, USA

October 2017

CONFERENCE & WORKSHOP PRESENTATIONS

247th American Astronomical Society Meeting
Phoenix, AZ, USA

January 2026

2025 NASA Hubble Fellowship Program (NHFP) Symposium
Baltimore, MD, USA

October 2025

Towards the Habitable Worlds Observatory (HWO25), Plenary Session
Washington, D.C., USA

July 2025

Inter+Stellar: Harnessing the Intersection Between Stars and the ISM
Baltimore, MD, USA

May 2025

245th American Astronomical Society Meeting
National Harbor, MD, USA

January 2025

Resolved Stellar Populations from Photographic Plates to Large Surveys
Florence, Italy

October 2024

2024 NASA Hubble Fellowship Program (NHFP) Symposium
Pasadena, CA, USA

September 2024

The Physics and Impact of Astrophysical Dust
Aspen, CO, USA

March 2024

The First Year of JWST Science Conference
Baltimore, MD, USA

September 2023

Roman Science Inspired by Emerging JWST Results
Baltimore, MD, USA

June 2023

241st American Astronomical Society Meeting
Seattle, WA, USA

January 2023

The Epoch of Galaxy Quenching
Cambridge, UK

September 2022

A Comprehensive View of Galaxy Evolution from the Milky Way to I Zwicky 18
Sesto, Italy

July 2022

EAS 2022: Dwarf galaxies beyond the Local Group
Valencia, Spain

June 2022

EAS 2021: Renaissance of the Low Surface Brightness Universe
Virtual

June 2021

Streams 21: Constraints on Dark Matter
Virtual

February 2021

237th American Astronomical Society Meeting
Virtual

January 2021

STScI Virtual Symposium
The Local Group: Assembly and Evolution
Virtual

September 2020

Galaxy Quenching throughout Cosmic Time
Aspen, CO, USA

February 2020

Small Galaxies, Cosmic Questions
Durham, UK

August 2019

Light in the Suburbs: Structure and Chemodynamics of Galaxy Halos
Sesto, Italy

June 2019

233rd American Astronomical Society Meeting
Seattle, WA, USA

January 2019

Stellar Halos Across the Cosmos <i>Heidelberg, Germany</i>	July 2018
Astrophysical Frontiers in the Next Decade and Beyond <i>Portland, OR, USA</i>	June 2018
The Origins of Galaxies, Stars, and Planets in the Era of ALMA <i>Pasadena, CA, USA</i>	December 2017
Great Lakes Cosmology & Galaxies Conference <i>Hamilton, Ontario, Canada</i>	June 2016
225 th American Astronomical Society Meeting <i>Seattle, WA, USA</i>	January 2015

PROFESSIONAL ACTIVITIES & EXPERIENCE

Service & Leadership	PI of Roman Wide Field Science Program: A Next-Generation Crowded-Field Stellar Photometry Tool for Roman Steering Committee for <i>Stars and Stellar Populations</i> sub-Working Group of HWO Evolution of the Elements Science Working Group Joint STScI/JHU Colloquium Committee (2025–2026) AAS Doxsey Travel Prize Committee (2023–2026) Scientific Organizing Committee for The End of Star Formation conference (Urbana, IL; March 2026) Scientific Organizing Committee for the 2025 NHFP Symposium (Baltimore, MD, USA; October 2025) Scientific Organizing Committee for How Roman Observations Will Confront Theory conference (Pasadena, CA, USA; July 2024) Local Organizing Committee for <i>STScI 2025 Spring Symposium Inter+Stellar</i> Referee for manuscripts in ApJ, MNRAS, New Astronomy (2020–Present) NOIRLab Telescope Allocation Committee panel member (2022–2025) External Reviewer for <i>HST</i>, CanTAC (2021, 2022) External Reviewer for the Chilean FONDECYT Regular Grant (2024) NHFP Application Review Program (2024–) AAS Chambliss Judge (2021, 2023) AAS Session Chair (2025) AAS Abstract Sorter (2021) U. of Washington APO 3.5 m Telescope Allocation Committee (2022–2024) U. of Washington Astro Lunch & DiRAC Seminar Coordinator (2020–2022) U. of Washington Back to Astronomy Committee (2021) Reviewer for U. of Washington Undergrad Grad School Essay Workshop (2020–2023) Internal U. of Michigan NOEMA Telescope Allocation Committee (2020)
Outreach	Public Outreach talks at the Seattle Astronomical Society (April 2023 & June 2024) AAS Press Briefing Panelist (January 2023) · Title: The Structure of the Triangulum Galaxy in Surveyed Stellar Populations Skype A Scientist participant (2019–2021) · Spoke with 5 grade-school classrooms, including the US and Saudi Arabia U. of Michigan NSF Graduate Research Fellowship Workshop panelist (2017)
Teaching	U. of Washington Instructor for ASTR 499 Independent Research Course (2021–2022) Mentor for 12+ students in the U. of Michigan UROP Program (2017–2020) U. of Michigan Graduate Student Instructor for ASTRO 102 Astronomy Lab (2016)

Professional	Panchromatic Hubble Andromeda Treasury (PHAT)
Collaborations	Panchromatic Hubble Andromeda Treasury Triangulum Extended Region (PHATTER)
	Panchromatic Hubble Andromeda Southern Treasury (PHAST)
	Galaxy Halos, Outer disks, Substructure, Thick disks, and Star clusters (GHOSTS)
	DECam Local Volume Exploration (DELVE)
	Local Group L-Band Survey (LGLBS)

RESEARCH GROUP: STUDENTS & POSTDOCS MENTORED

Ben Gibson	Postdoctoral Scholar at STScI Lead supervisor, working on resolved stars in M82 with JWST (2025–Present)
Meriem Elyajouri	Postdoctoral Scholar at STScI Co-supervisor, working on dust in M82 with JWST (2025–Present)
Vaishnav Rao	Current Third-year Ph.D. Student at U. of Michigan Lead advisor on first paper (2024–present)
Ben Velguth	Current First-year Ph.D. Student at Dartmouth College Significant mentoring, including on first paper (2021–2025)
Tash Sanford	Current Third-year Ph.D. Student at Indiana University Primary advisor as U. of Washington undergraduate and Post-Bacc (2021–2023)
Katya Gozman	Current Fourth-year PhD Candidate at U. of Michigan (2020–Present) Significant ongoing mentoring, including on first paper (2020–Present)
Michael Messere	Current Third-year Ph.D. Student at Columbia University Primary advisor as U. of Michigan undergraduate (2019–2021)
Jiaming Pan	Current Third-year Ph.D. Student at U. of Michigan Significant mentoring, including on first paper (2019–2022)

PRESS COVERAGE

Archaeology of Nearby Galaxies	Familiar Fluffy Triangulum Galaxy has Hidden, Two-Armed Pattern Old and new stars paint very different pictures of the Triangulum galaxy There’s Something Very Strange About Star Distribution In The Triangulum Galaxy Outflows, Shocks, and Star Formation in M82
Dwarf/Satellite Galaxies	The Lonely Giant: Milky Way-sized Galaxy Lacking Galactic Neighbors Nobody Predicted this Galaxy would be so Lonely A Lonely Galaxy’s Puzzling Lack of Neighbors Could Shed Light On Dark Matter Life and Death in Nearby Galaxies
Post-Starburst Galaxies	Scientists Find Elusive Gas From Post-starburst Galaxies Hiding in Plain Sight Astronomer Works With Alumnus to Find Elusive Gas From Galaxies Hiding in Plain Sight Astronomers Team up to Create New Method to Understand Galaxy Evolution
Stellar Halos	Astronomers conduct one of the most detailed studies of a stellar halo Galactic Leftovers within the M81 Group Life and Death in Nearby Galaxies

SUCCESSFUL OBSERVING PROGRAMS ON COMPETITIVE FACILITIES

Bolded titles indicate PI proposals.

James Webb Space Telescope	2025, DD-09438, 30.0 hours (NIRCam) <i>Certum: Multiband Webb Images in the Inner Galaxy for the Roman Galactic Plane Survey</i> 2025, GO-8277, 73.9 hours (NIRCam) / 34.2 hours (NIRISS) A Comprehensive Survey of the Stellar Halos of Milky Way Analogs out to 20 Mpc: Revealing Galaxy Merger Histories and Their Effects 2025, GO-8726, 25.0 hours (MRS / MIRI / NIRCam) A Resolved Infrared Census of Star Formation and AGN Activity in Rapidly Quenched Galaxies 2025, GO-7396, 41.8 hours (MRS / NIRSpec) <i>Exploring the Last Watering Hole of Low Metallicity PAH Emission: Deep Spectroscopic Observations of Sextans A</i> 2024, GO-5145, 66.5 hours (NIRCam) / 44.4 hours (NIRISS) Resolving the Global Stellar Populations and Star Formation History of the Starburst Galaxy M82 2021, GO-2128, 22.8 hours (MIRI) / 8.0 hours (NIRCam) <i>The First Resolved View of Individual Star Formation Across a Spiral Arm</i>
Hubble Space Telescope	2025, GO-18076, 30 orbits (COS) <i>Unveiling the Circumgalactic Medium of M33</i> 2024, GO-17833, 162 orbits (ACS + WFC3) <i>Bringing HST to the VLA: The Interaction of Stars and Gas in the Local Group</i> 2024, SNAP-17797, 106 Snapshot Targets <i>Galactic Underdogs: Assessing the True Satellite Galaxy Population in the Local Volume</i> 2022, SNAP-17158, 55 Snapshot Targets <i>The lowest luminosity galaxy candidates ever discovered outside of the Milky Way</i> 2021, GO-16778, 195 orbits (WFC3 + ACS) <i>The Panchromatic Hubble Andromeda Southern Treasury (PHAST)</i> 2021, GO-16611, Archival <i>Modeling Spatiotemporal Systematics in Multiwavelength Stellar Photometry Catalogs</i> 2020, GO-16191, 31 orbits (WFC3 + ACS) A Benchmark Survey of Resolved Stellar Populations in the Nearest Ultra Diffuse Galaxy, F8D1 2020, GO-16185, 12 orbits (WFC3 + ACS) Resolving Star Formation Triggered by M82's Prototypical Superwind
Subaru Telescope	2022, Hyper Suprime-Cam, 7.1 hours (Queue) <i>A complete, uniform survey of the ultrafaint satellites and stellar halo populations in the M81 group</i>

	2019, Hyper Suprime-Cam, 16.9 hours (Queue) How did M64 get its gas? Revealing M64's Most Dominant Merger Event using its Stellar Halo
	2017, Hyper Suprime-Cam, 2 nights (Classical) Revealing the Stellar Halo and Dwarf Satellites of M94
VLT	2019, MUSE, 20.5 hours <i>A unique MUSE measurement of the 3D dynamical evolution of a disk galaxy</i> 2019, MUSE, 12 hours <i>A First Ever Measure of the Resolved Kinematics of a Stellar Halo Outside of the Local Group</i>
VLA	2019, 10.1 hours After The Fall: Resolving the Radio Properties of Post-Starburst Galaxies
ALMA	2021, 16 hours (12m) <i>Stars or Black Holes? What mechanisms cause the rapid shutdown of star formation at the end of a burst?</i> 2018, 6.7 hours (12m) After the Fall: A High-Resolution View of the Nuclear Molecular Gas in a Post-Starburst Galaxy 2016, 6.1 hours (12m) <i>After the Fall: Zooming in on the Molecular Fuel in Post-Starburst Galaxies</i> 2016, 4.5 hours (12m) <i>What Stops Galactic Star Formation? An ALMA Study of Dense Molecular Gas in Post-Starburst Galaxies</i> 2015, 5.3 hours (12m); 8.7 hours (ACA) <i>After the Fall: Mapping the Molecular Fuel in Post-Starburst Galaxies</i>
Gemini Observatory	2022, NIFS, 7.9 hours <i>Mapping Quenching Processes on Resolved Scales in Post-Starburst Galaxies with NIFS</i> 2022, GMOS (Fast Turnaround), 3.2 hours <i>Confirming ultra-faint dwarf galaxy candidates in the M31 group</i>

PUBLICATIONS

46 total: 13 first- and second-author, 33 contributing author, h-index = 16, total citations = 876

[†]Indicates a student-led paper

First & Second Author

1. **A. Smercina**, E.F. Bell, B.F. Williams, et al. 2025, ApJ, *In Review*
The Star Formation History and Evolution of the Ultra-Diffuse M81 Satellite, F8D1
<https://arxiv.org/abs/2507.13349>
2. **A. Smercina**, T. Fetherolf, et al. 2025, ASP, *Soon-to-be Published*
Resolving Individual Stars in Nearby Large Galaxies with the Habitable Worlds Observatory

<https://arxiv.org/abs/2507.01960>

3. V.V. Rao[†], **A. Smercina**, E.F. Bell, B.F. Williams, et al. 2025, ApJ, 992, 13
Stars Born in the Wind: M82's Outflow and Halo Star Formation
<https://iopscience.iop.org/article/10.3847/1538-4357/adfdce>
4. **A. Smercina**, J.J. Dalcanton, B.F. Williams, et al. 2023, ApJ, 957, 3
The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). V. The Structure of M33 in Resolved Stellar Populations
<https://iopscience.iop.org/article/10.3847/1538-4357/acf3e8>
5. **A. Smercina**, E.F. Bell, P.A. Price, et al. 2023, ApJ Letters, 949, L37
Origins of the Evil Eye: M64's Stellar Halo Reveals the Recent Accretion of an SMC-Mass Satellite
<https://iopscience.iop.org/article/10.3847/2041-8213/acd5d1>
6. K.D. French, **A. Smercina**, K. Rowlands, et al. 2023, ApJ, 942, 25
The State of the Molecular Gas in Post-Starburst Galaxies
<https://arxiv.org/abs/2204.07465>
7. E.F. Bell, **A. Smercina**, P.A. Price, et al., 2022, ApJ Letters, 937, L3
Ultra-Faint Dwarf Galaxy Candidates in the M81 Group: Signatures of Group Accretion
<https://iopscience.iop.org/article/10.3847/2041-8213/ac8e5e>
8. **A. Smercina**, J.D.T. Smith, K.D. French, et al. 2022, ApJ, 929, 154
After The Fall: Resolving the Molecular Gas in Post-Starburst Galaxies
<https://iopscience.iop.org/article/10.3847/1538-4357/ac5d5f>
9. **A. Smercina**, E.F. Bell, J. Samuel, and R. D'Souza, 2022, ApJ, 930, 69
Relating the Diverse Merger Histories and Satellite Populations of Nearby Galaxies
<https://iopscience.iop.org/article/10.3847/1538-4357/ac5d56>
10. **A. Smercina**, E.F. Bell, P.A. Price, C.T. Slater, R. D'Souza, et al. 2020, ApJ, 905, 60
The Saga of M81: Global View of a Massive Stellar Halo in Formation
<https://iopscience.iop.org/article/10.3847/1538-4357/abc485>
11. **A. Smercina**, E.F. Bell, P.A. Price, R. D'Souza, et al. 2018, ApJ, 863, 152
A Lonely Giant: The Sparse Satellite Population of M94 Challenges Galaxy Formation
<https://iopscience.iop.org/article/10.3847/1538-4357/aad2d6>
12. **A. Smercina**, J.D.T. Smith, D.A. Dale, K.D. French, et al. 2018, ApJ, 855, 51
After The Fall: The Dust and Gas in E+A Post-Starburst Galaxies
<https://iopscience.iop.org/article/10.3847/1538-4357/aaafcd>
13. **A. Smercina**, E.F. Bell, C.T. Slater, P.A. Price, et al. 2017, ApJ Letters, 843, L6
d1005+68: A New Faint Dwarf Galaxy in the M81 Group
<https://iopscience.iop.org/article/10.3847/2041-8213/aa78fa>

Significant Contributions

1. T.M. Wainer[†], J.J. Dalcanton, M.Y. Grudić, et al. (incl. **A. Smercina**), 2025, ApJ, *In Review*
The Timescales of Embedded Star Formation as Observed in STARFORGE
<https://arxiv.org/abs/2509.18322>
2. Y. Zhang[†], R. Chandar, **A. Smercina**, et al. 2025, ApJ, *In Review*
Cluster-based Star Formation History of The Late-Stage Merger NGC 34
3. E.F. Bell, B. Harmsen, M. Cosby, et al. (incl. **A. Smercina**), 2025, ApJ, *In Review*
The low-mass and structured stellar halo of M83 argues against a merger origin for its starburst and extended neutral hydrogen disk

4. S.K. Sarbadhicary[†], E. Rosolowsky, A.K. Leroy, et al. (incl. **A. Smercina**), 2025, ApJ, 989, 138
A First-look at Spatially-resolved Infrared Supernova Remnants in M33 with JWST
<https://iopscience.iop.org/article/10.3847/1538-4357/ade7a>
5. Z. Chen, B.F. Williams, D. Lang, et al. (incl. **A. Smercina**), 2025, ApJ, 979, 35
The Panchromatic Hubble Andromeda Southern Treasury (PHAST). I. Ultraviolet and Optical Photometry of 96 Million stars in M31
<https://iopscience.iop.org/article/10.3847/1538-4357/ad7e2b>
6. K. Gozman[†], E.F. Bell, et al. (incl. **A. Smercina**), 2024, ApJ, 977, 179
Exploring the Diversity of Ultra-Faint Satellites in the M81 Group
<https://iopscience.iop.org/article/10.3847/1538-4357/ad8c3a>
7. B.N. Velguth[†], E.F. Bell, **A. Smercina**, et al. 2024, ApJ, 974, 189
A Timeline of the M81 Group: Properties of the Extended Structures of M82 and NGC 3077
<https://iopscience.iop.org/article/10.3847/1538-4357/ad6cd8>
8. L.R. Cullinane, K.M. Gilbert, P. Guhathakurta, et al. (incl. **A. Smercina**), 2023, ApJ, 958, 157
TREX: Kinematic Characterisation of a High-Dispersion Intermediate-Age Stellar Component in M33
<https://iopscience.iop.org/article/10.3847/1538-4357/ad003b>
9. B.F. Williams, M.J. Durbin, D. Lang, et al. (incl. **A. Smercina**), 2023, ApJS, 268, 48
The Panchromatic Hubble Andromeda Treasury XXI. The Legacy Resolved Stellar Photometry Catalog
<https://iopscience.iop.org/article/10.3847/1538-4365/acea61>
10. B. Harmsen[†], E.F. Bell, R. D’Souza, et al. (incl. **A. Smercina**), 2023, MNRAS, 525, 4497
Constraining the assembly time of the stellar haloes of nearby Milky Way-mass galaxies through AGB populations
<https://doi.org/10.1093/mnras/stad2480>
11. K. Gozman[†], E.F. Bell, **A. Smercina**, et al., 2023, ApJ, 947, 21
Saying Hallo to M94’s Stellar Halo: Investigating the Accretion History of the Largest Pseudobulge-Host in the Local Universe
<https://iopscience.iop.org/article/10.3847/1538-4357/acbe3a>
12. M. Lazzarini, B.F. Williams, M.J. Durbin, J.J. Dalcanton, **A. Smercina**, et al. 2022, ApJ, 934, 76
The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER) II. The Spatially Resolved Recent Star Formation History of M33
<https://iopscience.iop.org/article/10.3847/1538-4357/ac7568>
13. J. Pan[†], E.F. Bell, **A. Smercina**, et al., 2022, MNRAS, 515, 48
New Globular Cluster Candidates in the M81 group
<https://doi.org/10.1093/mnras/stac1638>
14. R. Chandar, A. Mok, K.D. French, **A. Smercina**, and J.D.T Smith, 2021, ApJ, 920, 105
The Star Formation History of a Post-Starburst Galaxy Determined From its Star Cluster Population
<https://iopscience.iop.org/article/10.3847/1538-4357/ac0c19>
15. B.F. Williams, M.J. Durbin, J.J. Dalcanton, et al. (incl. **A. Smercina**), 2021, ApJS, 253, 53
The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER) I. Ultraviolet to Infrared Photometry of 22 Million Stars in M33
<https://iopscience.iop.org/article/10.3847/1538-4365/abdf4e>

Contributing Author

1. A. Doliva-Dolinsky, B. Mutlu-Pakdil, D. Crnojević, et al. (incl. **A. Smercina**), ApJ, 989, 21
The NGC3109 Satellite System: The First Systematic Resolved Search for Dwarf Galaxies Around a

SMC-mass Host

<https://iopscience.iop.org/article/10.3847/1538-4357/ade9b8>

2. E.W. Koch, A.K. Leroy, E.W. Rosolowsky, et al. (incl. **A. Smercina**), 2025, ApJS, 279, 35
The Karl G. Jansky Very Large Array Local Group L-Band Survey (LGLBS)
<https://iopscience.iop.org/article/10.3847/1538-4365/ade0ad>
3. C.A. Fielder, D.J. Sand, M.G. Jones, et al. (incl. **A. Smercina**), 2025, ApJ Letters, 982, L41
Streams, Shells, and Substructures in the Accretion-Built Stellar Halo of NGC 300
<https://iopscience.iop.org/article/10.3847/2041-8213/adbf17>
4. D.J. Sand, B. Mutlu-Pakdil, M.G. Jones, et al. (incl. **A. Smercina**), 2024, ApJL, 977, L5
Three Quenched, Faint Dwarf Galaxies in the Direction of NGC 300: New Probes of Reionization and Internal Feedback
<https://iopscience.iop.org/article/10.3847/2041-8213/ad927c>
5. J.A. Otter, K. Alatalo, K. Rowlands, et al. (incl. **A. Smercina**), 2024, ApJ, 975, 142
Pulling back the curtain on shocks and star-formation in NGC 1266 with Gemini-NIFS
<https://iopscience.iop.org/article/10.3847/1538-4357/ad793a>
6. C. Beltrand[†], A. Monachesi, R. D’Souza, et al. (incl. **A. Smercina**), 2024, A&A, 690, A115
Resolved stellar halo velocity measurement of NGC 4945 with MUSE: first resolved halo kinematics of a MW-mass galaxy outside the Local Group
https://www.aanda.org/articles/aa/full_html/2024/10/aa50626-24/aa50626-24.html
7. S.K. Sarbadhickey[†], J. Wagner, E.W. Koch, et al. (incl. **A. Smercina**), 2024, ApJ, *In Review*
Where do stars explode in the ISM? The distribution of dense gas around massive stars and supernova remnants in M33
<https://arxiv.org/abs/2310.17694>
8. T. Wainer, B.F. Williams, L.C. Johnson et al. (incl. **A. Smercina**), 2024, AJ, 168, 86
The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER). VI. The High-Mass Stellar Initial Mass Function of M33
<https://iopscience.iop.org/article/10.3847/1538-3881/ad5a6e>
9. J. Peltonen[†], E. Rosolowsky, T.G. Williams, et al. (incl. **A. Smercina**), 2023, MNRAS, 527, 10668
JWST Reveals Star Formation Across a Spiral Arm in M33
<https://doi.org/10.1093/mnras/stad3879>
10. M. McNanna, K. Bechtol, A. Drlica-Wagner, et al. (incl. **A. Smercina**), 2024, ApJ, 961, 126
A search for faint resolved galaxies beyond the Milky Way in DES Year 6: A new faint, diffuse dwarf satellite of NGC 55
<https://iopscience.iop.org/article/10.3847/1538-4357/ad07d0>
11. D. Tran[†], B.F. Williams, E. Levesque, et al. (incl. **A. Smercina**), 2023, ApJ, 954, 211
Spatially-Resolved Recent Star Formation History in NGC 6946
<https://iopscience.iop.org/article/10.3847/1538-4357/aced44>
12. J. Peltonen[†], E. Rosolowsky, L.C. Johnson, et al. (incl. **A. Smercina**), 2023, MNRAS, 522, 6137
Clusters, Clouds, and Correlations: Relating Young Clusters to Giant Molecular Clouds in M33 and M31
<https://doi.org/10.1093/mnras/stad1430>
13. J.A. Otter[†], K. Rowlands, K. Alatalo, et al. (incl. **A. Smercina**), 2022, ApJ, 941, 93
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