Adam Smercina

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Education

August 2020	**University of Michigan** *Ph.D. Astronomy & Astrophysics*
May 2017	**University of Michigan** *M.S. Astronomy & Astrophysics*
May 2015	**University of Toledo** *B.S. Physics, Minor in Mathematics*

Professional Appointments

Aug 2024– Current	**NASA Hubble Fellow** Faculty Contact: 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 *University of Michigan*	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

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 Phyics & 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

Univ. 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 — April 2018
Ann Arbor, MI, USA

NRAO TUNA Lunch Talk — October 2017
Charlottesville, VA, USA

Conference & Workshop Presentations

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 *Heidelberg, Germany*	July 2018
Astrophysical Frontiers in the Next Decade and Beyond *Portland, OR, USA*	June 2018
The Origins of Galaxies, Stars, and Planets in the Era of ALMA *Pasadena, CA, USA*	December 2017
Great Lakes Cosmology & Galaxies Conference *Hamilton, Ontario, Canada*	June 2016
225th American Astronomical Society Meeting *Seattle, WA, USA*	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 *Stars and Stellar Populations* 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 at the End of the World* conference (Puerto Varas, CHIL; 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 *STScI 2025 Spring Symposium Inter+Stellar*
	Referee for manuscripts in ApJ, MNRAS, New Astronomy (2020–Present)
	NOIRLab Telescope Allocation Committee panel member (2022–2025)
	External Reviewer for *HST*, 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 Collaborations	Panchromatic Hubble Andromeda Treasury (PHAT)
	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 (Fall 2025)
	Lead supervisor, working on resolved stars in M82 with JWST

Meriem Elyajouri	Postdoctoral Scholar at STScI (Fall 2025) Co-supervisor, working on dust in M82 with JWST
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 Sandford	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
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) *Certum: Multiband Webb Images in the Inner Galaxy for the Roman Galactic Plane Survey* 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** 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) *The First Resolved View of Individual Star Formation Across a Spiral Arm*
Hubble Space Telescope	2025, GO-18076, 30 orbits (COS) *Unveiling the Circumgalactic Medium of M33*
	2024, GO-17833, 162 orbits (ACS + WFC3) *Bringing HST to the VLA: The Interaction of Stars and Gas in the Local Group*
	2024, SNAP-17797, 106 Snapshot Targets *Galactic Underdogs: Assessing the True Satellite Galaxy Population in the Local Volume*
	2022, SNAP-17158, 55 Snapshot Targets *The lowest luminosity galaxy candidates ever discovered outside of the Milky Way*
	2021, GO-16778, 195 orbits (WFC3 + ACS) *The Panchromatic Hubble Andromeda Southern Treasury (PHAST)*
	2021, GO-16611, Archival *Modeling Spatiotemporal Systematics in Multiwavelength Stellar Photometry Catalogs*
	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) *A complete, uniform survey of the ultrafaint satellites and stellar halo populations in the M81 group*
	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 *A unique MUSE measurement of the 3D dynamical evolution of a disk galaxy*
	2019, MUSE, 12 hours *A First Ever Measure of the Resolved Kinematics of a Stellar Halo Outside of the Local Group*
VLA	2019, 10.1 hours **After The Fall: Resolving the Radio Properties of Post-Starburst Galaxies**
ALMA	2021, 16 hours (12m) *Stars or Black Holes? What mechanisms cause the rapid shutdown of star formation at the end of a burst?*
	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) *After the Fall: Zooming in on the Molecular Fuel in Post-Starburst Galaxies*
	2016, 4.5 hours (12m) *What Stops Galactic Star Formation? An ALMA Study of Dense Molecular Gas in Post-Starburst Galaxies*
	2015, 5.3 hours (12m); 8.7 hours (ACA) *After the Fall: Mapping the Molecular Fuel in Post-Starburst Galaxies*
Gemini Observatory	2022, NIFS, 7.9 hours *Mapping Quenching Processes on Resolved Scales in Post-Starburst Galaxies with NIFS*
	2022, GMOS (Fast Turnaround), 3.2 hours *Confirming ultra-faint dwarf galaxy candidates in the M31 group*

PUBLICATIONS

45 total: 13 first- and second-author, 32 contributing author, h-index = 15, total citations = 792
[†]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, PASP, *In Review*
   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, *In Review*
   Shockingly Bursty: The History of Stars Formed in M82's Outflow
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. Y. Zhang†, R. Chandar, **A. Smercina**, et al. 2025, ApJ, *In Review*
Cluster-based Star Formation History of The Late-Stage Merger NGC 34
2. 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
3. S.K. Sarbadhicary†, E. Rosolowsky, A.K. Leroy, et al. (incl. **A. Smercina**), 2025, ApJ, *Accepted*
A First-look at Spatially-resolved Infrared Supernova Remnants in M33 with JWST
https://arxiv.org/abs/2410.11821
4. 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
5. 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
6. 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
7. 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
8. 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
9. 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

10. 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
11. 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
12. 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
13. 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
14. B.F. Williams, M.J. Durbin, J.J. Dalcanton, et al. (incl. **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**), *In Review*
The NGC3109 Satellite System: The First Systematic Resolved Search for Dwarf Galaxies Around a SMC-mass Host
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. Sarbadhicary[†], 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
Resolved Molecular Gas Observations of MaNGA Post-starbursts Reveal a Tumultuous Past
https://arxiv.org/pdf/2210.12199.pdf
14. L.C. Johnson, T.M. Wainer, et al. (incl. **A. Smercina**), 2022, ApJ, 938, 81
The Panchromatic Hubble Andromeda Treasury: Triangulum Extended Region (PHATTER) IV. Local Group Cluster Search Star Cluster Catalog
https://iopscience.iop.org/article/10.3847/1538-4357/ac8def/meta
15. W. Cerny†, A.B. Pace, A. Drlica-Wagner, et al. (incl. **Smercina**), 2021, ApJL, 920, L44
Eridanus IV: an Ultra-Faint Dwarf Galaxy Candidate Discovered in the DECam Local Volume Exploration Survey
https://iopscience.iop.org/article/10.3847/2041-8213/ac2d9a
16. A. Drlica-Wagner, J.L. Carlin, D.L. Nidever, et al. (incl. **Smercina**), 2021, ApJS, 256, 2
The DECam Local Volume Exploration Survey: Overview and First Data Release
https://iopscience.iop.org/article/10.3847/1538-4365/ac079d
17. I.S. Jang, R.S. de Jong, et al. (incl. **Smercina**), 2020, A&A, 640, L19
Is NGC 300 a pure exponential disk galaxy?
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