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**Department of Science, Technology
and Society**
Division of Natural Sciences
Faculty of Science

JEREMY J. WEBB

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Experience

- 2023 – **York University, Toronto, ON, Canada**
Assistant Professor (Teaching Stream)
- 2019 - 2023 **University of Toronto, Toronto, ON, Canada**
Assistant Professor – Contract Limited Term Appointment
Additional Roles: Undergraduate Chair, Summer Undergraduate Research Program Chair
- 2017 - 2019: **University of Toronto, Toronto, ON, Canada**
NSERC Postdoctoral Fellow, Host: J. Bovy
- 2015–2017: **Indiana University, Bloomington, IN, USA**
Postdoctoral Fellow, Advisor: E. Vesperini
- 2009-2015: **McMaster University, Hamilton, ON, Canada**
Graduate Student, Advisors: W.E. Harris and A. Sills
- 2009: **NASA Goddard Spaceflight Center, Greenbelt, MD, USA**
Research Assistant, Advisor: S.R. Heap
- 2007-2008: **University of Waterloo, Waterloo, ON, Canada**
Research Assistant, Advisor: G.L.H. Harris
- 2005-2006: **University of Notre Dame, South Bend, IN, USA**
Research Assistant, Advisors: J. LaVerne and P. Collon

Education

- 2015: **McMaster University, Hamilton, ON, Canada**
Ph. D., Astronomy
Title: The Scale Size and Dynamical Evolution of Star Clusters in Tidal Fields
- 2014: **McMaster University, Hamilton, ON, Canada**
Certificate in Effective University Teaching
- 2011: **McMaster University, Hamilton, ON, Canada**
MSc., Astronomy
Title: The Observational and Theoretical Tidal Radii of Globular Clusters in M87
- 2009: **International Space University, Strasbourg, France**
MSc., Space Studies
- 2008: **University of Waterloo, Waterloo, ON, Canada**
Honours B.Sc., Science with Astrophysics Specialization

Student Supervision

PhD. Students:

- 2021-present: Steffani Grondin, University of Toronto (with Maria Drout)
2018-present: Nathaniel Starkman, University of Toronto (with Jo Bovy)

MSc. Students:

- 2021-2023: Jacob Meadus, University of Toronto
 2019: Adam Butko, University of Toronto (with Jo Bovy & Masen Lamb)
 2018-2019: Abhinav Jindal, University of Toronto (with Jo Bovy)
 2016-2017: Abhishek Singh, Indiana University
 2015-2016: Saahil S. Patel, Indiana University (with Enrico Vesperini)
 2013-2016: Meghan Miholics, McMaster University (with Alison Sills)

BSc. Students:

- 2022-2023: Daniella Morrone and Justine Obidowski, University of Toronto
 2022-2023: Ian Chow, Ritik Kothari, Rosalind Liang, Khemaka Oo, Ryan Wang, Jayant Zutshi
 University of Toronto (with Josh Speagle)
 2022-2023: Julian Meunier (with Ting Li & Keir Rogers)
 2021-2023: Eric Conenna, Milica Ivetic, Erik Gillis, University of Toronto
 2020-2021: Reem Khalifeh, University of Toronto
 2019-2021: Nicholas Pavanel, University of Toronto
 2017-2018: Amy Fare, McMaster University (with Alison Sills)

Summer Undergraduate Research Program:

- 2023: Parisa Acharya, University of Toronto
 2022: Robin Wen (with Josh Speagle), Ruth Huang (with Ting Li & Keir Rogers)
 2020: Nada El-Falou, University of Toronto
 2019: Turner Garrow, University of Toronto (with Jo Bovy)
 2018: Shaziana Kaderali, University of Toronto (with Jason Hunt)

Research Grants & Awards

- 2022-: **University of Toronto – Hebrew University of Jerusalem Research and Training Alliance (CO-PI)**
 2017-2019: **National Science and Engineering Research Council (NSERC) Postdoctoral Fellowship**
 2016: **American Museum of Natural History Collection Studies Grant**
 2013 – 2015: **NSERC Alexander Graham Bell Canada Graduate Scholarship** - academic excellence, research potential, communication, interpersonal and leadership abilities
 2012-2013: **Dawes Memorial Fellowship for Graduate Studies in Physics**, McMaster University
 2011-2012: **A. Boyd McLay Ontario Graduate Student Scholarship**, McMaster University - academic and research achievements

Computational & Observational Resources Awarded

- 2021: **CO-I** – Gemini Telescope, 5 hours, “Constraining the stellar chemo-dynamics within the inner core of the globular cluster Terzan 5”
 2021: **CO-I** – ESO VLT Telescope, 2 Nights, “Variation in the Stellar Mass Function of the Globular Cluster 47 Tuc”
 2020-2021: **PI** - Compute Canada Resource Time (5 GPU Years and 3 Core Years per year), “The Fast-Evolution of Star Clusters in Cosmological Tidal Fields”
 2020: **CO-I** - Gemini Telescope, 2 Nights “An Extended Palomar 5 Stream”
 2019: **CO-I** - ESO VLT Survey Telescope, 2 Nights, “Investigating the impact of the environment on the globular cluster initial mass function”
 2019: **CO-I** - Gemini Telescope, “A GIRMOS Pilot Project: Constraining the Presence of an Intermediate Black Hole in Terzan 5”

- 2019: **CO-I** - Magellan/Clay Telescope, 1 Night, “Radial Variations in the Mass Functions of Globular Clusters”
- 2018: **CO-I** - ESO VLT Survey Telescope, 1 Night, “Constraining the Initial Mass Function of Globular Clusters”
- 2018: **CO-I** - Compute Canada Resource Time (5 GPU Years, 626 Core Years), “Modelling Globular Clusters in Cosmologically Motivated Tidal Fields”
- 2017: **CO-I** - Magellan/Baade Telescope, 2 Nights, “Radial Variations in the Mass Functions of NGC3201, NGC6656, and NGC 6362”
- 2014-2016: **CO-I** - Compute Canada Resource Time (41 Core Years per year), “Direct N-Body Simulations of Massive Globular Clusters”
- 2011: **CO-I** - Hubble Space Telescope Cycle-19, GO-12532, 2 Orbits, “The Scale Sizes of Globular Clusters: Tidal Limits, Evolution, and the Outer Halo”

Teaching Experience

- 2023: **Assistant Professor**, NATS 1880 (Life Beyond Earth), York University
Assistant Professor, Astronomy 251 (Life on Other Worlds), University of Toronto
- 2019-2023: **Assistant Professor**, Astronomy 101 (Sun and its Neighbours), University of Toronto
Assistant Professor, Astronomy 201 (Stars and Galaxies), University of Toronto
Assistant Professor, Astronomy 222 (Galaxies and Cosmology), University of Toronto

Professional Activities

- Service** Council of the Faculty of Science Committee on Examinations and Academic Studies (York University)
Undergraduate Program Committee, Postdoctoral Fellow Liaison and Mentor (University of Toronto)
- Affiliations** SDSS-IV Collaboration, GIRMOS Science Team, CASTOR Science Team
- Reviewer** Nature, Monthly Notice of the Royal Astronomical Society, Astronomy and Astrophysics, Canadian Time Allocation Committee

Select Outreach Experience

- 2022-2023: **Program Coordinator**, Dunlap Institute / Visions of Science Internships
- 2021: **Project Supervisor**, Visions of Science, “Exoplanets Orbiting Solar Sibling Candidates”
- 2021: **Interviewee**, Gaia Science Interviews, “Solar Siblings”
- 2021: **Panelist**, Astronomy and Space Explorers Society Symposium, “What is Dark Matter?”
- 2021: **Speaker**, Q&A with Minesing Central Public School Grade 1 Class
- 2018–2021: **Lecturer**, University of Toronto Summer Undergraduate Research Program
- 2020: **Planning Committee Member**, Dunlap Institute Planet Party
- 2020: **Speaker**, Cosmos from Your Couch, “The Astronomy of Shakespeare”,
- 2018–2020: **Planning Committee Member and Presenter**, Let’s Talk Science Challenge,
- 2019: **Volunteer**, “Communicating Science Workshop”, McMaster University
- 2019: **Speaker**, Astronomy & Space Explorers Society, “Stellar Fossils of the Early Universe”
- 2018: **Speaker**, Fairview Library’s Space & Explorers Club
- 2016: **Planning Committee Member**, Indiana University Science Fest, “Life Inside a Globular Cluster Virtual Reality Demonstration”
- 2013-2015 **Planetarium Presenter**, W. J. McCallion Planetarium, McMaster University

Publication List

In the below list of publications, the corresponding author of each paper is listed as the first author. Underlined authors note the training of highly qualified personnel.

Refereed Publications:

1. Leigh, N.W.C, Ye, C.S., Grondin, S.M., Fragione, G., **Webb, J.J.**, Heinke, C.O., 2023, “The dominant mechanism(s) for populating the outskirts of star clusters with neutron star binaries”, Monthly Notices of the Royal Astronomical Society, Accepted, arXiv:2309.13122
2. **Webb, J.J.** 2023, “clustertools”, SOI:10.5281/zenodo.4087227, Journal of Scientific Computation, 8, 4483
3. Starkman, N., Bovy, J., **Webb, J.J.**, Calvetti, D., Somersalo, E. 2023, “On the Fast (Stream) Track: Rapid construction of stellar stream paths”, Monthly Notices of the Royal Astronomical Society, 522, 5022
4. **Webb, J.J.**, Hunt, J.A.S, Bovy, J., 2023, “Made-to-Measure Modelling of Globular Clusters”, Monthly Notices of the Royal Astronomical Society, 521, 3898
5. Grondin, S. M., **Webb, J.J.**, Leigh, N.W.C., Speagal, J.S., Khalifeh, R. 2023, “Searching for the extra-tidal stars of globular clusters using high-dimensional analysis and a core particle spray code”, Monthly Notices of the Royal Astronomical Society, 518, 4249
6. Leigh, N.W.C., Stone, N.C., **Webb, J.J.**, Lyra, W. 2022 “The thermodynamics of stellar multiplicity: dynamical evolution of binary star populations in dense stellar environments”, Monthly Notices of the Royal Astronomical Society, 517, 3838
7. Eadie, G.M., **Webb, J.J.**, Rosenthal, J.S. 2022, “Bayesian Inference of Globular Cluster Properties Using Distribution Functions”, The Astrophysical Journal, 926, 211
8. El-Falou, N. & **Webb, J.J.** 2022, “The Effect of Dwarf Galaxies on the Tidal Tails of Globular Clusters”, Monthly Notices of the Royal Astronomical Society, 510, 2437
9. **Webb, J.J.** & Bovy, J. 2022, “Variation in the Stellar Mass Function Along Stellar Streams”, Monthly Notices of the Royal Astronomical Society, 510, 774
10. Pavanel, N. & **Webb, J.J.** 2021, “The Effects of Λ CDM Substructure on the Orbital Evolution of Star Clusters”, Monthly Notices of the Royal Astronomical Society, 503, 1932
11. Meiron, Y., **Webb, J.J.**, Hong, J., Berczik, P., Spurzem, R., Carlberg, R.G. 2021, “Mass loss from massive globular clusters in tidal fields”, Monthly Notices of the Royal Astronomical Society, 503, 3000
12. **Webb, J.J.** & Carlberg, R.G. 2021, “The Likelihood of Undiscovered Globular Clusters in the Outskirts of the Milky Way”, Monthly Notices of the Royal Astronomical Society, 502, 4547

13. **Webb, J.J.** & Sills, A. 2021, “The Initial Properties of Young Star Clusters in M83”, Monthly Notices of the Royal Astronomical Society, 501, 1933
14. **Webb, J.J.** & Bovy, J. 2020, “High-Resolution Simulations of Dark Matter Subhalo Disruption in a Milky Way-like Tidal Field”, Monthly Notices of the Royal Astronomical Society, 499, 116
15. Garrow, T., **Webb, J.J.**, Bovy, J. 2020, “The Effects of Dwarf Galaxies on the Orbital Evolution of Galactic Globular Clusters”, Monthly Notices of the Royal Astronomical Society, 499, 804
16. Cadelano, M., Dalessando, E., **Webb, J.J.**, Vesperini, E., Lattanzio, D., Beccari, G. 2020, “Radial variation of the stellar mass functions in the globular clusters M15 and M30: clues of a non-standard IMF?”, Monthly Notices of the Royal Astronomical Society, 499, 239
17. Price-Jones, N., Bovy, J., **Webb, J.J.**, Prieto, C.A., Beaton, R., Brownstein, J.R., Cohen, R.E., Cunha, K., Donor, J., Frinchaboy, P.M., García-Hernández, D.A., Lane, R.R., Majewski, S.R., Nidever, D.L., 2020 “Strong chemical tagging with APOGEE: 21 candidate star clusters that have dissolved across the Milky Way disc”, Monthly Notices of the Royal Astronomical Society, 496, 5101
18. **Webb, J.J.**, Price-Jones, N., Bovy, J., Hunt, J.A.S, Portegies-Zwart, S., Mackereth, J.T., Leung, H.W. 2020 “Searching for Solar Siblings in APOGEE and Gaia DR2 with N-body Simulations”, Monthly Notices of the Royal Astronomical Society, 494, 2268
19. Starkman, N., Bovy, J., **Webb, J.J.** 2020, “An extended Pal 5 stream in Gaia DR2”, Monthly Notices of the Royal Astronomical Society, 493, 4978
20. Leaman, R., Ruiz-Lara, T., Cole, A.A., Beasley, M.A., Boecker, A., Fahrion, K., Bianchini, P., Falcon-Barroso, J., **Webb, J.J.**, Sills, A., Mastrobuono-Battisti, A., Neumayer, N. 2019 “There and Back Again: Globular cluster ejection, infall and the host dark matter halo of the Pegasus dwarf galaxy”, Monthly Notices of the Royal Astronomical Society, 492, 5102
21. Piatti, A.E, **Webb, J.J.**, Carlberg, R.G. 2019, “Characteristic radii of the Milky Way Globular Clusters”, Monthly Notices of the Royal Astronomical Society, 489, 4367
22. **Webb, J.J.**, Bovy, J., Carlberg, R.G., Gieles, M. 2019, “Modelling the Effects of Dark Matter Substructure on Globular Cluster Evolution with the Tidal Approximation”, Monthly Notices of the Royal Astronomical Society, 488, 5748
23. **Webb, J.J.**, Leigh, N.W.C., Serrano, R., Bellovary, J., Ford, K.E.S., McKernan, B., Spera, M., Trani, A.A. 2019, “The evolution of kicked stellar-mass black holes in star cluster environments - II. Rotating star clusters”, Monthly Notices of the Royal Astronomical Society, 488, 3055
24. Jindal, A., **Webb, J.J.**, Bovy, J. 2019, “The orbital anisotropy profiles of nearby globular clusters from Gaia Data Release 2”, Monthly Notices of the Royal Astronomical Society, 487, 3693
25. **Webb, J.J.**, Reina-Campos, M., Kruijssen, J.M.D. 2019, “A systematic analysis of star cluster disruption by tidal shocks – I. Controlled N-body simulations and a new theoretical model”, Monthly Notices of the Royal Astronomical Society, 486, 5879

26. **Webb, J.J.** & Bovy, J. 2019, “Searching for the GD-1 Stream Progenitor in Gaia DR2 with Direct N-body Simulations”, *Monthly Notices of the Royal Astronomical Society*, 485, 5929
27. Kaderali, S., Hunt, J.A.S., **Webb, J.J.**, Price-Jones, N., Carlberg, R. 2019, “Rediscovering the Tidal Tails of NGC 288 with Gaia DR2”, *Monthly Notices of the Royal Astronomical Society Letters*, 484, 114
28. Hong, J., Patel, S., Vesperini, E., **Webb, J.J.**, Dalessandro, E. 2019, “Spatial Mixing of Binary Stars in multiple-population globular clusters”, *Monthly Notices of the Royal Astronomical Society*, 483, 259
29. Fare, A., **Webb, J.J.** & Sills, A. 2018, “The Effect of Stellar Helium Abundance on Dynamics of Multiple Populations in Globular Clusters”, *Monthly Notices of the Royal Astronomical Society*, 481, 3027
30. **Webb, J.J.** & Vesperini, E. 2018, “The Structural and Kinematic Evolution of Central Star Clusters in Dwarf Galaxies and Their Dependence on Dark Matter Halo Profiles”, *Monthly Notices of the Royal Astronomical Society*, 479, 3708
31. Vesperini, E., Hong, J., **Webb, J. J.**, D'Antona, F., D'Ercole, A. 2018. “Evolution of the Stellar Mass Function in Multiple-Population Globular Clusters”, *Monthly Notices of the Royal Astronomical Society*, 476, 2731
32. Dalessandro, E., Cadelano, M., Vesperini, E., Salaris, M., Ferraro, F. R., Lanzoni, B., Raso, S., Hong, J., **Webb, J. J.**, Zocchi, A. 2018, “The Peculiar Radial Distribution of Multiple Populations in the Massive Globular Cluster M80”, *The Astrophysical Journal*, 859, 15
33. Bianchini, P., **Webb, J. J.**, Sills, A., Vesperini, E. 2018, “Kinematic Fingerprint of Core-Collapsed Globular Clusters”, *Monthly Notices of the Royal Astronomical Society Letters*, 475, 96
34. **Webb, J. J.**, Leigh, N., Singh, A., Ford, S., McKernan, B., Bellovary, J. 2018, “The Evolution of Kicked Stellar-Mass Black Holes in Star Cluster Environments”, *Monthly Notices of the Royal Astronomical Society*, 474, 3835
35. **Webb, J. J.**, Vesperini, E., Dalessandro, E., Beccari, G., Ferraro, F.R., Lanzoni, B. 2017, “Modelling the Observed Stellar Mass Function and its Radial Variation in Galactic Globular Clusters”, *Monthly Notices of the Royal Astronomical Society*, 471, 3845
36. **Webb, J. J.**, Patel, S., & Vesperini 2017, “The Early Evolution of Star Clusters in Compressive and Extensive Tidal Fields”, *Monthly Notices of the Royal Astronomical Society Letters*, 468, 92
37. **Webb, J. J.** & Vesperini, E., 2017, “On the Link Between Energy Equipartition and Radial Variation in the Stellar Mass Function of Star Clusters”, *Monthly Notices of the Royal Astronomical Society*, 464, 1977
38. **Webb, J. J.** & Vesperini, E., 2016, “Radial Variation in the Stellar Mass Functions of Star Clusters”, *Monthly Notices of the Royal Astronomical Society*, 463, 2383
39. **Webb, J. J.**, Sills, A., Harris, W.E., Gomez, M., Paolillo, M., Woodley, K.A., Puzia, T.H. 2016,

“Globular Cluster Scale Sizes in Giant Galaxies: Orbital Anisotropy and Tidally Under-Filling Clusters in M87, NGC 1399, and NGC 5128”, *Monthly Notices of the Royal Astronomical Society*, 460, 2129

40. Miholics, M., **Webb, J. J.**, Sills, A., 2016, “The Dynamical Evolution of Accreted Star Clusters in the Milky Way”, *Monthly Notices of the Royal Astronomical Society*, 456, 240
41. Miholics, M., **Webb, J.J.**, Sills, A., 2015, “The Dynamics of Multiple Populations in the Globular Cluster NGC 6362”, *Monthly Notices of the Royal Astronomical Society*, 454, 2166
42. **Webb, J.J.** & Leigh, N. 2015, “Back to the Future: Estimating Initial Globular Cluster Masses from their Present Day Stellar Mass Functions”, *Monthly Notices of the Royal Astronomical Society*, 453, 3278
43. Leigh, N., Giersz, M., Marks, M., **Webb, J.J.**, Hypki, A., Heinke, C., Kroupa, P., Sills, A. 2014, “The State of Globular Clusters at Birth II: Primordial Binaries”, *Monthly Notices of the Royal Astronomical Society*, 446, 226
44. Miholics, M., **Webb, J.J.**, Sills, A. 2014, “The Size of Star Clusters Accreted by the Milky Way”, *Monthly Notices of the Royal Astronomical Society*, 445, 2872
45. **Webb, J.J.**, Harris, W.E., Sills, A., Hurley, J.R., 2014, “The Effects of Orbital Inclination on the Scale Size and Evolution of Star Clusters”, *Monthly Notices of the Royal Astronomical Society*, 445, 1048
46. **Webb, J.J.**, Leigh, N., Sills, A., Harris, W.E., Hurley, J.R. 2014, “The Effect of Orbital Eccentricity on the Dynamical Evolution of Star Clusters”, *Monthly Notices of the Royal Astronomical Society*, 442, 1569
47. Leigh, N., Giersz, M., **Webb, J.J.**, Hypki, A., de Marchi, G., Kroupa, P., Sills, A. 2013, “The State of Globular Clusters at Birth: Emergence from the Gas-Embedded Phase”, *Monthly Notices of the Royal Astronomical Society*, 436, 3399
48. **Webb, J.J.**, Sills, A., Harris, W.E. 2013, “Globular Cluster Scale Sizes in Giant Galaxies: The Case of M87 and the Role of Orbital Anisotropy and Tidal Filling”, *The Astrophysical Journal*, 779, 94
49. **Webb, J.J.**, Harris, W.E., Sills, A., Hurley, J.R. 2013, “The Influence of Orbital Eccentricity on Tidal Radii of Star Clusters”, *The Astrophysical Journal*, 764, 124
50. **Webb, J.J.**, Harris, W.E., Sills, A. 2012, “The Size Difference Between Red and Blue Globular Clusters is NOT Due to Projection Effects”, *The Astrophysical Journal Letters*, 759, 39
51. **Webb, J.J.**, Sills, A., Harris, W.E. 2012, “The Observational and Theoretical Tidal Radii of Globular Clusters in M87”, *The Astrophysical Journal*, 746, 93
52. Robertson, D., Collon, P., Henderson, D., Kurtz, S., Lamm, L., Schmitt, C., Schumard, B., **Webb, J.** 2008, “First Results from the Nuclear Astrophysics AMS program at the NSL using the MANTIS system in gas-filled mode”, *University of Notre Dame, Nuclear Instruments & Methods in Physics Research*, vol 266, n15, pp 3481-3486

Non-Refereed Publications:

1. Hénault-Brunet, V., Bahramian, A., Côté, P., Eadie, G., Haggard, D., Harris, W.E., Heinke, C., Lamb, M., Pudritz, R., Roediger, J., Sills, A., Venn, K., **Webb, J.J.**, Woods, T.E. 2019, “Star Clusters Near and Far”, Canadian Long Range Plan for Astronomy and Astrophysics White Papers, LRP2020

Submitted Publications:

1. Grondin, S. M., **Webb, J.J.**, Lane, J.M.M., Speagle, K.S., Leigh, N.W.C. 2023, “A catalogue of Galactic GEMS, Globular cluster Extra-tidal Mock Stars”, Monthly Notices of the Royal Astronomical Society, Submitted, arXiv:2310.09331

Conference Proceedings:

1. Vesperini, E., Hong, J., **Webb, J.J.**, D’Antona, F., D’Ercole, A, 2020, “Dynamical Effects on the Stellar Mass Function of Multiple Stellar Populations in Globular Clusters”, Proceedings of the International Astronomical Union, Volume 351, 346
2. **Webb, J.J.** & Vesperini E. 2016, “On the Radial Variation in the Stellar Mass Functions of Star Clusters”, Journal of the Italian Astronomical Society, Vol. 87, 618
3. Miholics, M., **Webb, J.J.**, Sills, A. 2016, “The Dynamical Evolution of Accreted Star Clusters in the Milky Way”, Journal of the Italian Astronomical Society, Vol. 87, 642

Invited Colloquia and Seminars:

1. **Webb, J.J.** 2022, “Made-to-Measure Modelling of Globular Clusters”, Flatiron Institute, New York, United States
2. **Webb, J.J.** 2022, “Creating and Maintaining Equitable Question Banks for Online Tests”, University of Toronto, Canada
3. **Webb, J.J.** 2022, “The Tails that Tidal Tails Tell”, Universidad de Concepción, Concepción, Chile
4. **Webb, J.J.** 2021, “Where Have All the Star Cluster Stars Gone?”, St. Mary’s University, Halifax, Canada
5. **Webb, J.J.** 2021, “With a Little Help from Our Friends: Probing the Milky Way’s Dissolved and Undiscovered Star Cluster Populations with the Help of Existing Star Clusters”, Federal University of Rio Grande do Sul, Porto Alegre, Brazil
6. **Webb, J.J.** 2021, “Where Have All the Star Cluster Stars Gone?”, Astronomical Calculation Institute, Heidelberg, Germany
7. **Webb, J.J.** 2021, “From Planets to the Big Bang: Studying the Universe with Star Clusters”, Universidad Andres Bello, Santiago, Chile
8. **Webb, J.J.** 2021, “Revealing the Milky Way’s Dissolved Star Cluster Population with Dynamics and Chemistry”, Swinburne University of Technology, Melbourne, Australia

9. **Webb, J.J.** 2021, “Revealing the Milky Way’s Dissolved Star Cluster Population with Dynamics and Chemistry”, University of Michigan, Ann Arbor, United States
10. **Webb, J.J.** 2019, “Searching for Solar Siblings with Gaia, APOGEE and N-body Simulations”, McMaster University, Toronto, Canada
11. **Webb, J.J.** 2019, “Candles in the Darkness: Studying Dark Matter Substructure with Globular Clusters”, Canadian Institute for Theoretical Astrophysics, Toronto, Canada
12. **Webb, J.J.** 2018, “The Dynamics of Mass Segregation and Tidal Stripping”, University of Waterloo, Waterloo, Canada
13. **Webb, J.J.** 2018, “The Dynamics of Mass Segregation and Tidal Stripping”, University of Toronto, Toronto, Canada
14. **Webb, J.J.** 2018, “The Dynamics of Mass Segregation and Tidal Stripping”, Queen’s University, Kingston, Canada
15. **Webb, J.J.** 2018, “Do Globular Clusters Have an Identity Problem?”, McMaster University, Hamilton, Canada
16. **Webb, J.J.** 2017, “Do Globular Clusters Have an Identity Problem?”, University of Minnesota, Minneapolis, United States
17. **Webb, J.J.** 2015, “The Dynamical Evolution of Star Clusters in Tidal Fields”, Indiana University, Bloomington, United States
18. **Webb, J.J.** 2014, “The Dynamical Evolution of Star Clusters in Tidal Fields”, Northwestern University, Chicago, United States
19. **Webb, J.J.** 2012, “The Influence of Orbital Eccentricity and Inclination on Globular Cluster Tidal Radii”, Pontificia Universidad Catolica de Chile, Santiago, Chili
20. **Webb, J.J.** 2012, “The Influence of Orbital Eccentricity and Inclination on Globular Cluster Tidal Radii”, Universidad Andrés Bello, Santiago, Chili
21. **Webb, J.J.** 2011, “Observational and Theoretical Tidal Radii of Globular Clusters in M87”, Swinburne University of Technology, Melbourne, Australia

Invited Conference Presentations:

1. **Webb, J.J.** 2022, “The Tails that Tidal Tails Tell”, Clusters at McMaster, Hamilton, Canada
2. **Webb, J.J.** 2020, “Star Clusters in the Age of Large-Scale Surveys”, 23rd Meeting in Research Astronomy, Zanjan, Iran
3. **Webb, J.J.**, Leigh, N.W.C., Serrano, R., Bellovary, J., Ford, K.E.S., McKernan, B., Spera, M., Trani, A.A. 2019, “The Evolution of Kicked Stellar-Mass Black Holes in Star Cluster Environments”, The Origin of Black Hole Mergers and Gravitational Waves, Leiden, Netherlands

4. **Webb, J.J.** 2018. “Internal Globular Cluster Effects that Alter Their Evolution”, Survival of Dense Star Clusters in the Milky Way System, Keynote Speaker, Heidelberg, Germany
5. **Webb, J.J.**, Bovy, J., Carlberg, R. 2018. “The Effects of Dark Matter Substructure of Star Cluster Evolution”, Star Clusters around the Milky Way and the Local Group, Heidelberg, Germany
6. **Webb, J.J.**, Leigh, N., McKernan, B., Ford, S. 2016, “The Evolution of Black Holes in Star Cluster Environments”, MODEST 16NYC, New York, USA

Conference Presentations:

1. **Webb, J.J.**, Ivetic, M., Cai, M., Portegies-Zwart, S. 2022, “The Evolution of Planetary Systems within Star Clusters and Stellar Streams”, 54th Annual Meeting of the Division for Planetary Sciences, London, Canada
2. **Webb, J.J.** & Sills, A. 2021, " The Initial Properties of Young Star Clusters in M83", European Astronomical Society Annual Meeting 2021
3. **Webb, J.J.** 2021, "CLUSTERTOOLS: A Python Software Package for Analysing Star Cluster Simulations", MODEST 21a
4. **Webb, J.J.** 2021, "How Do Dwarf Galaxies affect the Orbital Evolution of Globular Clusters and their Tidal Tails", Streams 2021, Flatiron Institute
5. **Webb, J.J.** & Bovy, J. 2018, “A Direct N-body Simulation of Pal5 and its Tidal Tails”, MODEST 18, Santorini, Greece
6. **Webb, J.J.** & Vesperini E., 2016, “Radial Variation in the Stellar Mass Functions of Star Clusters”, MODEST 16, Bologna, Italy
7. **Webb, J.J.**, Sills, A., Harris, W.E., Gomez, M., Paolillo, M., Woodley, K.A., Puzia, T.H. 2015, “Globular Cluster Scale Sizes in Giant Galaxies: Orbital Anisotropy and Tidally Under-Filling Clusters in M87, NGC 1399, and NGC 5128”, MODEST 15, Conception, Chile
8. **Webb, J.J.**, Sills, A., Harris, W.E., Gomez, M., Paolillo, M., Woodley, K.A., Puzia, T.H. 2015, “Globular Cluster Scale Sizes in Giant Galaxies: Orbital Anisotropy and Tidally Under-Filling Clusters in M87, NGC 1399, and NGC 5128”, Canadian Astronomical Society, Annual Meeting
9. **Webb, J.J.**, Harris, W.E., Sills, A., Hurley, J. R. 2012, The Influence of Orbital Eccentricity on Globular Cluster Tidal Radii, Canadian Astronomical Society, Annual Meeting
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