

Marta Reina-Campos

reinacampos@mcmaster.ca ❖ <https://mreinacampos.github.io> ❖ <https://orcid.org/0000-0002-8556-4280>

Department of Physics and Astronomy, McMaster University
1280 Main Street West, Hamilton L8S 4M1, ON, Canada

Educational background

2011 - 2015: B.Sc., Physics with a minor in Fundamental Physics, Universitat de Barcelona (Spain)
2015 - 2016: M.Sc., Astrophysics, Particle Physics and Cosmology, Universitat de Barcelona (Spain)
2016 - 2020: Dr.Rer.Nat., Astronomy, Title: “*Formation and evolution of globular clusters in a cosmological context*”, Advisor: Dr. J. M. Diederik Kruijssen, Astronomisches Rechen-Institut - Zentrum für Astronomie (ARI - ZAH), Universität Heidelberg (Germany)

Employment History

2021 - present: CITA Canada Fellow at McMaster University, McMaster University, Hamilton, Canada
2016 - 2020: IMPRS fellowship from the International Max Planck Research School - Heidelberg (IMPRS - HD) - PhD student, Universität Heidelberg (Germany)
2015-2016: Teaching assistant at the Universitat de Barcelona (Spain)
2015: Summer Research Scholarship, Instituto de Astrofísica de Canarias, Tenerife (Spain)
2014-2015: Research assistant, Gaia team in Barcelona (IEEC-ICCUB), Department of Astronomy and Meteorology, Universitat de Barcelona (Spain)

Fellowships, awards and distinctions

2021-2025: Canadian Institute for Theoretical Astrophysics (CITA) Canada Postdoctoral Fellowship
2021: Nominee for Wilhelm und Else Heraeus-Dissertationspreis für Physik und Astronomie
2021: Special mention in the best PhD thesis award from the Spanish Astronomical Society
2021: Wilma-Moser-Prize 2020 from the Wilma Moser Foundation
2019: Travel grant from the Graduiertenakademie of the Universität Heidelberg (Germany)
2017: Ernst Patzer Prize 2017 - Patzer Foundation, Heidelberg (Germany)
2017: Travel grant from the Heidelberg Graduate School for Fundamental Physics (HGSFP) of the Universität Heidelberg (Germany)
2016: International Max Planck Research School - Heidelberg (IMPRS-HD) Fellowship to pursue the PhD in Heidelberg, Heidelberg (Germany)
2016: Passed with Distinction - Master thesis, Physics Faculty, Universitat de Barcelona (Spain)

Research interests:

- Formation of clustered stellar systems over cosmic time, and their interplay with galaxy formation.
- Constraining the physics involved in globular cluster formation.
- Development of sub-grid models of star formation and feedback in numerical simulations of galaxy formation.

Publication overview: First author in 7 refereed publications, 1 manuscript under review and 2 conference proceedings. Contributing author in 20 refereed publications, in which 8 of them as second or third author.

Professional responsibilities: 2019 - present: Referee for MNRAS, ApJ and A&A

Talks, seminars and colloquia — from July 2016 - present: 2 invited reviews, 19 invited seminars and colloquia, and 21 conference talks (only selected invited contributions are listed):

May 2023: Colloquium, CANVAS seminar, CASCAs (online)
April 2023: Colloquium, Canadian Institute for Theoretical Astrophysics (CITA), Toronto, Canada
March 2023: Colloquium, University of Waterloo, Kitchener, Canada
December 2021: Colloquium, Princeton University, United States (online)
October 2021: Colloquium, Ohio State University, United States (online)
October 2021: Colloquium, McGill Space Institute, McGill University, Montreal, Canada (online)
July 2021: Colloquium, Institute for Research in Fundamental Sciences, Tehran, Iran (online)
June 2021: Review, SS 10 at the European Astronomical Society Meeting 2021, Leiden (online)
May 2021: Colloquium, University of Michigan, United States (online)
April 2021: Colloquium, Stockholm University, Sweden (online)
Dec 2020: Colloquium, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brasil (online)

Teaching

2017-2019: Teaching assistant at Heidelberg University, course: “*Python Programming for Scientists*”
2015-2016: Teaching assistant at Universitat de Barcelona, course: “*Algebra*”

Outreach:

2021: McMaster International Women’s Week, Science seminar
2019- 2020: “Chatea con una astrónoma”, organised by the Spanish Astronomical Society
2017: TEDx UniHeidelberg - “Illuminating absurdity”, Talk: “Astrophysics or the interplay of scales”