



Giuliano Iorio

Curriculum Vitae

Personal Information

Name Giuliano Iorio
Birth date 13/06/1989
Birth place Cassino (FR), Italy
Address Via A. Memmo, 31, 35122, Padova (PD), Italy
ORCID [0000-0003-0293-503X](https://orcid.org/0000-0003-0293-503X)
Work email giuliano.iorio.astro@gmail.com
Institutional email giuliano.iorio@icc.ub.edu
PEC email giuliano.iorio@pec.net
Website <https://giulianoiorio.eu>
Github [giulianoiorio](https://github.com/giulianoiorio)
Gitlab [iogiul](https://gitlab.com/iogiul)
Linkedin [giuliano-iorio](https://www.linkedin.com/in/giuliano-iorio)

Job positions

10/2024– **La Caixa Junior Leader Fellow**, *Institute of Cosmos Sciences, University of Barcelona.*
03/2023– **Assistant Professor (RTD-A)**, *Physics and Astronomy Department, University of Padova.*
10/2024
11/2019– **Postdoc researcher (DEMOBLACK ERC project)**, *Physics and Astronomy Department, University of Padova.*
02/2023
04/2018– **Newton International Fellow**, *Institute of Astronomy, University of Cambridge.*
11/2019

Leadership and membership in research groups and collaborations

2022– **LISA**, <https://www.elisascience.org/articles/lisa-consortium>.
Member of the Astrophysics Working Group of the LISA Consortium.
2021– **EINSTEIN TELESCOPE**, <https://www.virgo-gw.eu>.
Collaborating to the Division 3 (population studies) of the OSB (Observation Science Board)

- 2020– **WEAVE**, *WHT Enhanced Area Velocity Explorer, International collaboration*, <https://www.iac.es/en/projects/weave-wht-enhanced-area-velocity-explorer>.
Member of the GA (Galactic archaeology) Science Working Group.
- 2020–2024 **TEONGRAV**, *Gravitational Wave Emission from Astrophysical Sources, Italian INFN collaboration*, Local coordinator of TEONGRAV-Padova. , <https://web.infn.it/CSN4/IS/Linea5/TEONGRAV/TEONGRAV.html>.
- 2022–2024 **LIGO/VIRGO**, <https://www.virgo-gw.eu>.
I participate regularly in the weekly meeting of the CBC/Rates&Pop (Rates&Populations) LIGO-VIRGO subgroup.

Awards, grants and Third-party money

- 06/2024 **Abilitazione Scientifica nazionale**, *MIUR (Italian Ministry for University and Research)*, The "Abilitazione Scientifica nazionale" certifies that the researcher reached the necessary professional expertise to be hired as an associate professor. In Italy, the certification is required to apply for direct calls for associate professor positions or to be promoted to assistant professor.
- 04/2024 **Junior Leader fellowship**, *La Caixa foundation*.
Awarded the Junior Leader fellowship by the La Caixa foundation Society for the project "Make way for the young folks: comprehensive investigation of the metal-rich (and young?) RR Lyrae stars" (Amount awarded: 300,000.00€).
- 12/2023 **Funds for Italian-Argentinian collaboration 2024**, *CUIA (Italian University Consortium for collaboration with Argentina)*.
I got 3,000.00€ for my proposal: Studio della formazione ed evoluzione di sistemi stellari massivi nell'Universo nell'ambito di una collaborazione Italo-Argentina (Study of the formation and evolution of massive binaries in the Universe in the framework of an Italian-Argentinian collaboration). [link to the final project ranking](#).
- 11/2023 **Young researcher prize**, *Scienza in rete*.
I receive a honorable mention for my paper Chemo-kinematics of the Gaia RR Lyrae: the halo and the disc. <https://www.scienzainrete.it/premio2023>
- 09/2023 **Newton International Fellowships Alumni 2023**, *Royal society*.
Awarded the fellowship alumni funding for the project The Galactic stellar halo through the eyes of Gaia (DR3) (Amount awarded: £6,000.00)
- 09/2022 **Newton International Fellowships Alumni 2022**, *Royal society*.
Awarded the fellowship alumni funding for the project (*Young?*), *abundant, metal-rich and not alone: shedding light on disc RR Lyrae stars* (Amount awarded: £5,000.00)
- 09/2021 **Newton International Fellowships Alumni 2021**, *Royal society*.
Awarded the fellowship alumni funding for the project (*Young?*) *rich and rare: shedding light on disc RR Lyrae stars II* (Amount awarded: £4,500.00)
- 11/2020 **Newton International Fellowships Alumni 2020**, *Royal society*.
Awarded the fellowship alumni funding for the project (*Young?*) *rich and rare: shedding light on disc RR Lyrae stars* (Amount awarded: £4,500.00)
- 10/2018 **Newton International Fellowship**, *Royal society*.
Awarded the Newton international fellowships by the Royal Society for the project "Exploring the Galactic halo with Gaia" (Amount awarded: £99,000.00).

09/2016 **Borsa Marco Polo 2016**, *University of Bologna*.
Awarded the Borsa Marco Polo to spend 3 month at the University of Cambridge (UK) for the project "Exploring the Galactic halo with Gaia" (Amount awarded: 1,800.00€).

Education

- 2014–2018 **PhD in Astrophysics**, *University of Bologna*.
Dissertation: "Off piste" beyond the disc of the Milky Way. Structure of the stellar halo and dynamics of nearby dwarf galaxies
- 2011–2014 **Master Degree in Astrophysics and Cosmology**, *University of Bologna*, 110/110 *cum laude*.
Dissertation: The thickness of gaseous layer in disk galaxies.
- 2008–2011 **Bachelor of Astronomy**, *University of Bologna*, 110/110 *cum laude*.
Dissertation: Dynamic of spiral and elliptical galaxies.

Schools/Courses

- 07/2024 **International HPC Summer School 2024**, *Kobe (Japan)*.
Topics: OpenMP for GPUs, Advanced MPI (topology), Parallel I/O, Software engineering, Performance Analysis & Optimization.
- 09/2018-12/2018 **Machine learning**, *Stanford University*, online course (Coursera).
Topics: machine learning theory and supervised (linear regression, logistic regression, neural network, support vector machines) and unsupervised (k-means, principal component analysis) machine learning techniques
- 06/2015 **24th Summer school on Parallel Computing**, CINECA, Bologna.
- 04/2015 **Bayesian Methods in Astrophysics**, Bologna.
- 02/2015 **Introduction to C++ via Vconf**, Bologna.

Publication Record

Metrics from [ADS \(Astrophysics Data System\)](#):

Total refereed publications, 53.

Total refereed publications as 1st author or corresponding author, 13.

Citations (total), 2799.

Normalised citations (total), 484.4.

h-index (total, 1st author or corresponding author), 26, 9.