

Gissel Dayana Pardo Montaguth

PERSONAL INFORMATION

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Cellphone number: (+57) 3153195948

Date and place of birth: May-20/1996, in Ocaña, Colombia

Citizenship: Colombian

EDUCATION

March 2019 **B.S. Astronomy**, *University of Antioquia, Colombia, Medellín.*

RESEARCH INTERESTS

Extragalactic astrophysics in especial in galactic evolution, galactic formation, mergers and AGN.

RESEARCH EXPERIENCE

Present **University of Antioquia**
Assistant Researcher

How is it possible to intervene imperceptibly in the oral tradition to incorporate scientific concepts?

- Survey design.
- Statistical analysis.

January-
December
2018 **University of Antioquia**
Undergraduate Researcher

Ionization of the ISM and star formation in minor mergers of galaxies.

- Photometric and spectroscopic image reduction using IRAF.
- Spectroscopic extraction and calibration.
- Spectroscopic analysis: Radial velocity, galactic extinction correction, and emission lines.

EXPERIENCE

Present **University of Antioquia, Medellín, Colombia**
Young researcher

Present Science Spiders: communication of acquired knowledge on ophidicism and scorpionism program in University of Antioquia.

- Designer of primers and infographics.
- Scripts for videos, radio programs and staging.

Present **University of Antioquia, Rionegro, Colombia**
Adviser

Adviser of Seedbed for Research in Scientific Communication (SICC).

2018-Present **University of Antioquia, Medellín, Colombia**
Scientific communicator (Quimikomedia collective)

- Radio announcer in the program El laboratorio (the laboratory) in the educational radio system.
- Monologues, staging, and talks.

2018 **University of Antioquia, Medellín, Colombia**
Assistant teacher

Astronomy seedbed course aimed at non-scientific students.

2017 **Observatory Pico Dos Dias, Minas Gerais, Brazil**

Seven nights of photometry and spectroscopy observation for the project "Modelling star formation in galaxies: Characterization of star formation recipes".

2017 **University of Antioquia, Medellín, Colombia**
Young researcher

Minor mergers of galaxies.

2016-2017 **Parque Explora, Medellín, Colombia**
Museum guide

Scientific guide in different topics.

ATTENDANCE AT CONFERENCES AND SEMINARS

Octubre 2019 Oral presentation "*Ionization of the ISM and star formation in minor mergers of galaxies*", Congreso Colombia de Astronomía y Astrofísica (Cocoa), Medellín, Colombia.

July 2018 Oral presentation "*Star formation rate in minor mergers of galaxies*", International School for Younger Astronomers (ISYA), Socorro, Colombia.

PUBLICATIONS

2019 Co-writer of the book: "*Arañas de Colombia: biología, envenenamiento y potenciales usos terapéuticos de su veneno*". In edition in the publishing house of the University of Antioquia

Skills

Programming PYTHON, R.

Software L^AT_EX, IRAF.

Languages Intermediate English and native Spanish.

OTHER COURSES

- July 2019 Public Science Communication, University of Antioquia, Medellín, Colombia.
March 2019 Workshop in science communication and dissemination in oral formats, University of Antioquia, Medellín, Colombia.

HONORS

- 2018 International School for Younger Astronomers (ISYA), Scholarship, International Astronomical Union (IAU).
2017 Observational internship, Scholarship, Observatory Pico Dos Dias (OPD) and University of Antioquia.
2016 Dean's list in the second semester of the year, University of Antioquia, Medellín, Colombia.
2016 Dean's list in the first semester of the year, University of Antioquia, Medellín, Colombia.

REFERENCES

Juan Carlos Muñoz Cuartas, Head Graduate Programs in Physics

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University of Antioquia, Colombia
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Mario Victor Vázquez, Associate Professor

Institute of Chemistry
University of Antioquia, Colombia
(+574) 2195652, mariovictorv@gmail.com