



Dr. Simón Díaz-García

Personal information

Date of birth **15th of May, 1987** → Age: **32**.
Place of birth **Nava (Asturias, Spain)**.
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Education

2012–2016 **PhD in Astrophysics**, *University of Oulu*, Finland.
2011–2012 **Master of Astronomy and Astrophysics**, *University of Granada*, Spain.
2010–2011 **Master of Education, Mathematics specialty**, *University of Oviedo*, Spain.
2005–2010 **Bachelor+Master of Mathematics**, *Complutense University of Madrid*, Spain,
Erasmus student (2008/09) in the *University of Leeds*, England.

Work experience

2021 – now **Secondary and high school teacher of Mathematics.**
Civil Servant. IES Canarias (Tenerife, Spain).
2020 – 2021 **Marie Skłodowska-Curie Global Fellow** in Astrophysics.
Queen's University (Canada, 2 yr) & **Instituto de Astrofísica de Canarias** (Spain, 1 yr).
2018 – 2019 **Postdoctoral researcher in Astrophysics.** **Instituto de Astrofísica de Canarias**, Spain.
2017 Nov-Dec **Secondary school trainee teacher of Mathematics, Physics, and Chemistry.**
International School of Oulu (Finland). *English-Finnish Bilingual Center*.
2012 – 2016 **Marie Curie Early Stage Research (ESR). PhD fellow.** **University of Oulu**, Finland.
2015 Ap **Internship with the international publisher Springer.** Heidelberg, Germany.

International collaboration projects

2020-2023 **GALSIZE: Galaxy Sizes as Tracers of Dark Matter.** €250k euros.
Marie Skłodowska-Curie grant 893673 European Union's Horizon 2020. PI: Dr. Díaz-García.
2018-2019 **The structure and evolution of galaxies and their central regions.** €180k.
Spanish Ministry of Science and European Fund FEDER, AYA2016-76219-P. PI: Prof. Knapen.
2018 – present **SUNDIAL: SUrvey Network for Deep Imaging Analysis & Learning.** €3.6M.
Marie Skłodowska-Curie grant 721463 European Union's Horizon 2020. PI: Prof. Peletier.
2012 – present **Spitzer Survey of Stellar Structure in Galaxies (S⁴G)**. PI: Profs. Sheth & Salo.
2012-2015 **DAGAL: Detailed Anatomy of GALaxies.** €3.4M. <http://www.dagalnetwork.eu/>
Marie Skłodowska-Curie grant 289313. EU 7th Framework (People). PI: Prof. Knapen.

Publications in Astronomy and Astrophysics

Publications in SAO/NASA ADS in 7 yr (4 yr as PhD & 3 yr as postdoc):

http://adsabs.harvard.edu/cgi-bin/abs_connect?author=Diaz-Garcia,+Simon.

Refereed **7 papers as 1st author** (150 citations, 2016 & 2019-2021, A&A), **1 paper as 2nd author** (165 citations, 2015, A&A), and **8 papers as contributing author** (145 citations, A&A, MNRAS, ApJ).
Non-refereed **9 international conference proceedings** (5 as 1st author, including IAU symposia) (2016-2021) & publication of **PhD thesis introduction** (review, 2016).

Dissemination **1 science outreach article** on galaxies and the local universe.

REVIEWER **Referee** for **MNRAS** and **PASP** since 2019.

Research visits

2019 **University of Granada (UGR)**, Spain, 1 week. Invited by UGR.

2018 & 2019 **University of Oulu**, Finland, 69 working days. Funded by FINCA/ESO.

2015 April **Max Planck Institut für Astronomie in Heidelberg**, Germany, 1 month.

2014 July **Laboratoire d'Astrophysique de Marseille**, France, 1 week.

2014 February **Instituto de Astrofísica de Canarias**, Tenerife, 1 week.

Supervision & Lecturing

2020 **Supervisor of 2 graduate students from Queen's University.**

2019-2020 **Participation as a lecturer on bachelor's and master's degrees in Astrophysics at:**

Dec **+ University of La Laguna** → "Complementary Research Activities" & "End-of-degree project",
+ University of Oulu → "Basics of Astronomy".

2018 & 2019 **Main supervisor of 2 IAC summer students**, Projects on i) *Machine Learning applied to galaxy classification* (published in A&A) & ii) *Star formation within galactic bars*.

2018 & 2019 **Lecturer and supervisor in 2 international SUNDIAL Training Schools on:**
i) Telescope Observations (La Palma, Spain) & **ii) Computing** (Groningen, Netherlands).

2011 & 2017 **Teacher of Mathematics and Physics (and in-class support)**, at *Oulu International School & Escultor Juan de Villanueva School*, and supervisor of a highly gifted student.

Communication skills

International conferences & workshops **10 talks (15min) & 11 posters (2013-2021)**, *Ghent (Belgium), Alabama (USA), Kingston (Canada), Heidelberg (Germany), Leiden (Netherlands), Oulu (Finland), Bilbao, Toledo - IAU321 -, Tenerife - including IAU355 -, and Granada (Spain).*

Invited seminars **12 seminars (1h) on extragalactic astronomy (2012-2019)**, *Complutense University of Madrid, Univ. of Granada, Univ. of Oulu, Laboratoire d'Astrophysique de Marseille, and IAC.*

Science outreach **5 astronomy dissemination talks (1.5-2h)** - including session on remote use of 0.6m SARA-CTIO telescope - & **8 interviews with general-interest newspapers (2014-2019)**, *Spain.*

Languages **English** (advanced), **Spanish & Asturian** (mother tongue), and **Finnish** (basic).

Grants and awards

2021 **Juan de la Cierva Incorporación 2021** fellowship by *Spanish Ministry of Education.*

2020 **Marie Skłodowska-Curie Global Fellowship** by **Horizon 2020 Framework Programme** of the European Union. *GALSIZE: Galaxy Sizes as Tracers of Dark Matter. P.I.: Dr. Díaz-García.*

2017 **Postdoctoral fellowship GALAXIES 2017** by **Instituto de Astrofísica de Canarias.**

2017 **Postdoctoral grant Atracción de Talento Investigador** by **Comunidad de Madrid.**

2012-2015 **Early Stage Researcher fellowship** by *People Programme (Marie Curie Actions)* of the **EU.**

2012 **Grant for the 6 best student records in the master.** *University of Granada.*

Additional information

Telescope experience **I0:0@LT** (2m, ORM), **EFOSC2@NTT** (3.6m, ESO), **ALFOSC@NOT** (2.5m, ORM), **SARA-CTIO** (0.6m, CTIO), **WFC@INT** (2.5m, ORM), **CAFOS@2.2m** (CAHA). *7 succesful proposals (4 as PI).*

Computer skills Experience with **LINUX, MAC OS, IDL, PYTHON, BASH, IRAF, DS9, SELF-ORGANIZING MAPS (MACHINE LEARNING) TOOLBOX FOR MATLAB, L^AT_EX, GALFIT, OPENOFFICE**, and more.

LOC **Local Organising Committee:** *Symposium IAU 355 (2019) + XXX IAC Winter School (2018).*

References **Prof. Knapen** (*jhk@iac.es*, postdoc mentor) & **Prof. Salo** (*heikki.salo@oulu.fi*, PhD supervisor).