



Dr. Tiago Campante PhD, BSc

Curriculum Vitae

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1. CV Synopsis

I completed my PhD in Astronomy in 2012, co-hosted by the University of Porto (Portugal) and Aarhus University (Denmark). I then joined the University of Birmingham (UK) as a Postdoctoral Research Fellow (2012 – 2017). In 2017, I took up a position as Research Scientist at the University of Göttingen (Germany). Later that year, I joined the Institute of Astrophysics and Space Sciences (IA) — currently as Assistant Researcher — and the Faculty of Sciences at the University of Porto (FCUP) — currently as Invited Assistant Professor. I was a Visiting Scientist at the Kavli Institute for Theoretical Physics, University of California, Santa Barbara (USA) in 2019. As of 2021, I lead the Stellar Astrophysics Research Group at IA, heading a multidisciplinary team composed (at the time of writing) of 22 researchers and 10 PhD students.

In 2018, I was awarded a prestigious Marie Curie Individual Fellowship (160 kEUR) by the European Commission. This was followed, in 2020 and 2025, by the award of two highly competitive FCT CEEC Individual contracts (total: 737 kEUR), having respectively ranked 1st and 4th nationwide in the Physics panel (Assistant Researcher level). I am or have been PI/Co-I in 9 other funded projects, namely, an ESA - PRODEX Experiment Arrangement (404 kEUR), as well as 4 NASA (total: 220 kUSD) and 4 FCT (total: 457 kEUR) projects.

I have or have had scientific coordination roles within the TESS (NASA), PLATO (ESA), and Ariel (ESA) space mission consortia. I led the work that allowed predictions to be made of the asteroseismic potential of TESS, helping shape the performance requirements for the instrumentation. I currently lead a working group within the PLATO Data Center, overseeing development of a key part of the mission's science pipeline. Concerning Ariel, I lead a working group responsible for determining the fundamental parameters of the mission's target stars.

My research activity encompasses the fields of stellar astrophysics, exoplanetary science, and Galactic archaeology. I have authored 218 publications (H-index of 55 and a total of ~9,900 citations; source: SAO/NASA Astrophysics Data System). Among these are 131 articles in peer-reviewed journals (including 2 in Science, 2 in Nature, 1 in Nature Astronomy, and 1 in Nature Communications), 2 edited books, 1 edited conference proceedings volume, 1 book chapter, 42 conference proceedings papers, and 29 online data catalogs. Altogether, I am first author/lead editor of 36 publications and second or third author/editor of 39 publications (across all types). I am Associate Editor for the leading open access journals Frontiers in Astronomy and Space Sciences and Frontiers in Physics. I am also a referee for 6 international journals, with ~2.2 reviewed manuscripts on average per year.

Since 2015, I have presented 35 talks at international conferences and research institutes worldwide, including 15 invited talks, 7 invited research seminars, and 13 contributed talks. I have been PI of 3 (Co-I of 15) competitive observing programs at some of the world's state-of-the-art facilities (e.g., VLT and Keck Observatory). As PI, I was awarded ~130 hours of telescope time with ESPRESSO@VLT (ESO) and led a 160-day K2 Guest Observer program (NASA). I have also been Co-I in a computing project supported by FCT on the use of advanced Machine Learning techniques. I am a regular evaluator in international panels for funding research (e.g., NASA Astrophysics Data Analysis Program, NASA Postdoctoral Program, Swiss National Science Foundation, and European Research Executive Agency) and a reviewer for state-of-the-art observing facilities (e.g., Hubble and OPTICON).

I have been a member of the Scientific Organizing Committee of 8 international (4 as Chair) and 1 national (as Chair) conferences and advanced schools. These activities are complemented by my active membership of a number of associations and societies, namely, the International Astronomical Union, the European Astronomical Society, the Marie Curie Alumni Association, and the Portuguese Astronomical Society. As of 2024, I am an elected member of the Organizing Committee of Commission G4 (Pulsating Stars) of the International Astronomical Union.

I supervise or have supervised 23 research projects: 2 postdoctoral researchers (1 completed, 1 ongoing), 6 PhD (3 completed, 3 ongoing) and 4 MSc projects (all completed), 2 predoctoral internships (both completed), and 9 undergraduate projects/internships (all completed). I am accustomed to being a member of academic degree juries (10 times a member, 4 of which in international juries). Moreover, I have extensive teaching experience, both at the undergraduate (4 courses lectured at the University of Birmingham) and postgraduate levels (1 PhD and 1 MSc courses lectured at the University of Porto). I have also been an invited lecturer in 2 international advanced schools and have previously delivered training courses for high-school teachers.

Finally, I am an avid science communicator, having given 21 public talks and organized 13 events in three different countries since 2015. I often contribute to the national and international media on research-related stories (at least 21 TV/radio/podcast appearances, 39 written press/online media contributions, and 2 magazine articles since 2015).

2. Personal Data

Nationality: Portuguese; Gender: Male; Date of birth: July 29 1980; Marital status: Married; Children: 2.

3. Academic Degrees

I qualified with a BSc in Physics/Applied Mathematics from the University of Porto in 2007 and went on to study for a PhD co-hosted by the University of Porto and Aarhus University. I was awarded a PhD in Astronomy by the University of Porto in 2012. My thesis supervisors were Prof. Mário João Monteiro (University of Porto) and Prof. Hans Kjeldsen (Aarhus University).

2012	<i>PhD in Astronomy</i> (Graduated with Distinction), Faculdade de Ciências da Universidade do Porto, Portugal; URL (Thesis)
2007	<i>BSc in Physics/Applied Mathematics</i> (Major in Astronomy; Final Grade of 16/20), Faculdade de Ciências da Universidade do Porto, Portugal

4. Academic/Research Positions

2021 – present	<i>Group Leader</i> ¹ — <i>Stellar Astrophysics</i> , Instituto de Astrofísica e Ciências do Espaço, Portugal
2020 – present	<i>Assistant Researcher</i> , Instituto de Astrofísica e Ciências do Espaço, Portugal
2019 – present	<i>Invited Assistant Professor</i> , Faculdade de Ciências da Universidade do Porto, Portugal
2018 – 2020	<i>Marie Curie Fellow</i> , Instituto de Astrofísica e Ciências do Espaço, Portugal
2017 – present	<i>Investigador Integrado</i> , Instituto de Astrofísica e Ciências do Espaço, Portugal
2017 – 2018	<i>Invited Assistant Professor</i> , Faculdade de Ciências da Universidade do Porto, Portugal
2017	<i>Research Scientist</i> , Institut für Astrophysik, Georg-August-Universität Göttingen, Germany
2012 – 2017	<i>Postdoctoral Research Fellow</i> , School of Physics and Astronomy, University of Birmingham, United Kingdom

5. Visiting Scientist/Scholar

2019	<i>Visiting Scientist</i> (Program entitled <i>Better Stars, Better Planets: Exploiting the Stellar-Exoplanetary Synergy</i>), Kavli Institute for Theoretical Physics (KITP), University of California, Santa Barbara, United States of America
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6. Fellowships, Grants, and Awards

2024	<i>Apoios à Comunidade Académica</i> , Protocolo de Cooperação U.Porto - CGD (EUR 735)
2019	<i>Galardão de Mérito</i> , Câmara Municipal de Caldas de Vizela, Caldas de Vizela, Portugal
2018 – 2020	<i>Marie Skłodowska-Curie Individual Fellowship</i> ² , Horizon 2020 - European Commission (~ EUR 160,000)
2018	<i>Research Fellowship</i> , Centro de Astrofísica da Universidade do Porto, Portugal (~ EUR 9,000)
2018	<i>IAU Travel Grant</i> , International Astronomical Union (EUR 200)

¹ My contributions as Group Leader to the annual IA activity reports can be found [here](#).

² The project proposal had been previously submitted in response to the 2016 call, on which occasion it was awarded the *Seal of Excellence*.

2015	<i>IAU Travel Grant</i> , International Astronomical Union (USD 750)
2015	<i>College Best Paper Award</i> , College of Engineering and Physical Sciences, University of Birmingham (GBP 750)
2012	<i>Research Grant</i> , Centro de Astrofísica da Universidade do Porto, Portugal (~ EUR 3,600)
2009 – 2012	<i>ISSI Young Scientist</i> , International Space Science Institute (~ EUR 1,500)
2007 – 2011	<i>Individual Doctoral Grant</i> , Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 30,000 p.a.)

7. Funded Research Projects

2026 – 2027	PI; <i>Unraveling the evolutionary history of the Milky Way with Galactic Archaeology (ArqueoGal)</i> , R&D Project - PeX (2024.15303.PEX), Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 60,000)
2025 – 2031	PI; <i>Shedding light on planetary system evolution and Galactic assembly with ultra-precise space-based photometry</i> , CEEC Individual 6th Edition - Assistant Researcher (2023.08117.CEECIND), Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 384,000)
2023 – 2024	Co-I; <i>Star-exoplanet compositional link: Towards realistic characterization of terrestrial planets (EXO-TERRA)</i> , R&D Project - PeX (2022.06962.PTDC), Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 50,000)
2021 – 2022	Co-I; <i>Planetary Archeology: Exploring the planet population around evolved stars with TESS</i> , TESS Cycle 4 Guest Investigator Program (Proposal no.: G04179), NASA, USA (USD 70,000)
2020 – 2025	PI; <i>A synergetic approach to the study of the Milky Way, its stars and planets using ultra-precise, space-based photometry</i> , CEEC Individual 2nd Edition - Assistant Researcher (CEEICIND/00476/2018), Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 353,000)
2020 – 2021	Co-I; <i>Planetary Archeology: Exploring the planet population around evolved stars with TESS</i> , TESS Cycle 3 Guest Investigator Program (Proposal no.: G03151), NASA, USA (USD 50,000)
2019 – 2020	Co-I; <i>Planetary Archeology: Exploring the planet population around evolved stars with TESS</i> , TESS Cycle 2 Guest Investigator Program (Proposal no.: G022102), NASA, USA (USD 50,000)
2018 – 2025	Co-I; <i>PLATO</i> , PRODEX Experiment Arrangement (PEA no.: 4000133026), ESA - PRODEX (EUR 404,000)
2018 – 2022	Co-I; <i>Breaking through outstanding problems in stellar evolution with ultra-precise space-based photometry</i> , R&D Project (PTDC/FIS-AST/30389/2017), Fundação para a Ciência e a Tecnologia, Portugal (EUR 237,000)
2018 – 2020	Co-I; <i>TESS observations of known exoplanet host stars</i> , TESS Cycle 1 Guest Investigator Program (Proposal no.: G011183), NASA, USA (USD 50,000)
2010 – 2013	Co-I; <i>A space-based probe of stellar interiors</i> , R&D Project (PTDC/CTE-AST/098754/2008), Fundação para a Ciência e a Tecnologia, Portugal (EUR 110,000)

8. Advanced Computing Projects

2026 – 2027	Co-I; <i>Parsing Galactic populations using advanced Machine Learning techniques</i> , Advanced Computing Projects Call 6th Edition (2025.09466.CPCA.A1), Fundação para a Ciência e a Tecnologia, Portugal (allocated HPC resources: 99,968 CPU core-hours, 4,000 GPU-hours, 100 GB disk)
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9. Institutional Funding (as Co-I)

2020 – 2024	<i>Instituto de Astrofísica e Ciências do Espaço</i> , R&D Unit Funding (UIDB/04434/2020), Fundação para a Ciência e a Tecnologia, Portugal (EUR 1,393,055)
2020 – 2024	<i>Instituto de Astrofísica e Ciências do Espaço</i> , R&D Unit Funding (UIDP/04434/2020), Fundação para a Ciência e a Tecnologia, Portugal (EUR 585,000)
2019	<i>Instituto de Astrofísica e Ciências do Espaço</i> , R&D Unit Funding (UID/FIS/04434/2019), Fundação para a Ciência e a Tecnologia, Portugal (EUR 785,000)
2015 – 2018	<i>Instituto de Astrofísica e Ciências do Espaço</i> , R&D Unit Funding (UID/FIS/04434/2013), Fundação para a Ciência e a Tecnologia, Portugal (EUR 3,140,800)

10. Publications

As of December 2025, I have authored 218 publications³ indexed in the SAO/NASA Astrophysics Data System (H-index of 55 and a total of ~9,900 citations). These include 131 articles in peer-reviewed journals (including 2 in *Science*, 2 in *Nature*, 1 in *Nature Astronomy*, and 1 in *Nature Communications*), 2 edited books (~21k downloads/accesses combined), 1 edited conference proceedings volume, 1 book chapter, 1 editorial, 1 book review, 1 preface, 1 report, 1 encyclopedia entry, 42 conference proceedings papers (18 refereed and 24 non-refereed), 1 monograph (PhD thesis), 29 online data catalogs, 3 white papers, 2 corrigenda, and 1 journal cover picture. Altogether, I am first author/lead editor of 36 publications and second or third author/editor of 39 publications (across all types).

Edited books

Granado, J. P., **Campante, T. L.**, Hernández, A. G. & Guo, Z. (Eds.) 2023, “Challenges of asteroseismology in the era of space missions”, **Front. Astron. Space Sci.** (Lausanne: Frontiers Media SA)⁴

Campante, T. L., Santos, N. C. & Monteiro, M. J. P. F. G. (Eds.) 2018, “Asteroseismology and Exoplanets: listening to the stars and searching for new worlds — IVth Azores International Advanced School in Space Sciences”, **ASSP**, 49 (Springer International Publishing)

Book chapters

Campante, T. L. 2018, “An introduction to data analysis in asteroseismology”, **ASSP**, 49, 55 (Springer International Publishing)

Selected first-author, peer-reviewed articles

Campante, T. L., Kjeldsen, H., Li, Y., et al. 2024, “Expanding the frontiers of cool-dwarf asteroseismology with ESPRESSO. Detection of solar-like oscillations in the K5 dwarf *e* Indi”, **A&A**, 683, L16

Campante, T. L., Li, T., Ong, J. M. J., et al. 2023, “Revisiting the red giant branch hosts KOI-3886 and *i* Draconis. Detailed asteroseismic modeling and consolidated stellar parameters”, **AJ**, 165, 214

Campante, T. L., Corsaro, E., Lund, M. N., et al. 2019, “TESS Asteroseismology of the known red-giant host stars HD 212771 and HD 203949”, **ApJ**, 885, 31

Campante, T. L., Veras, D., North, T. S. H., et al. 2017, “Weighing in on the masses of retired A stars with asteroseismology: K2 observations of the exoplanet-host star HD 212771”, **MNRAS**, 469, 1360

Campante, T. L., Schofield, M., Kuzlewicz, J. S., et al. 2016, “The asteroseismic potential of TESS: exoplanet-host stars”, **ApJ**, 830, 138

Campante, T. L., Lund, M. N., Kuzlewicz, J. S., et al. 2016, “Spin-orbit alignment of exoplanet systems: ensemble analysis using asteroseismology”, **ApJ**, 819, 85

Campante, T. L., Barclay, T., Swift, J. J., et al. 2015, “An ancient extrasolar system with five sub-Earth-size planets”, **ApJ**, 799, 170

Campante, T. L., Chaplin, W. J., Lund, M. N., et al. 2014, “Limits on surface gravities of *Kepler* planet-candidate host stars from non-detection of solar-like oscillations”, **ApJ**, 783, 123

Campante, T. L., Handberg, R., Mathur, S., et al. 2011, “Asteroseismology from multi-month *Kepler* photometry: the evolved Sun-like stars KIC 10273246 and KIC 10920273”, **A&A**, 534, A6

Campante, T. L., Karoff, C., Chaplin, W. J., et al. 2010, “Modelling the autocovariance of the power spectrum of a solar-type oscillator”, **MNRAS**, 408, 542

11. Oral Scientific Communications

Since 2015, I have presented 35 talks at international conferences and research institutes worldwide, including 15 invited talks, 7 invited research seminars, and 13 contributed talks. Examples include an invited talk at the International Astronomical Union General Assembly in 2018 in Vienna, as well as invited talks at the TASC/KASC annual conference series and at the Royal Astronomical Society.

Invited Talks

(Title TBD); TASC10/KASC17 Workshop, Aarhus, Denmark, Jul 6–10 2026

EPRV asteroseismology with ESPRESSO: an empirical mode-amplitude scaling for K dwarfs; PLATO WP 126 Meeting, Toulouse, France, Nov 25–27 2025

Stellar Astrophysics Research Group @IA; 12th Iberian Meeting on Asteroseismology, Nov 23–26 2025

*Synergy between asteroseismology and exoplanetary science*⁵; The Star-Planet Connection (online), ESO, Oct 25–28 2021; [Video](#)

³ A full publications list, citation metrics, author network etc. can be found [here](#).

⁴ Available only as an e-book.

⁵ Converted from a contributed to an invited talk. The conference website continues, however, to list it as a contributed talk.

Homogeneous determination of age and mass for stars in the Ariel input catalog; Ariel Virtual Consortium Meeting (online) – Stellar Characterisation WG splinter session, Jun 16–18 2021

Stellar Physics Team at IA-U.Porto; 7th Iberian Meeting on Asteroseismology (online), Oct 6–9 2020; [Video](#)

A Sinfonia das Estrelas; Give me more SPACE (online), Physis – Associação Portuguesa de Estudantes de Física, Portugal, Sep 24–26 2020; [Video](#)

Waterworlds: Ficção ou Realidade?; BioDivSummit 2020 (online), Centro Ciência Viva da Floresta, Proença-a-Nova, Portugal, May 22 2020; [Video](#)

Synergy between asteroseismology and exoplanet science: an outlook; MW-Gaia WG3 Workshop: Exoplanets in the era of Gaia, Porto, Portugal, Nov 18–20 2019

Synergy between asteroseismology and exoplanet science: an outlook; PHOST: Physics of Oscillating Stars, Banyuls-sur-mer, France, Sep 3–7 2018

Synergy between asteroseismology and exoplanet science: an outlook; Mini-Symposium “Stars and Stellar Physics – The asteroseismic revolution”, IAU General Assembly XXX, Division G Meeting, Vienna, Austria, Aug 24 and 27 2018

Asteroseismology of exoplanet-host stars with TESS; Joint TASC2 & KASC9 Workshop – SPACEINN & HELAS8 Conference, Angra do Heroísmo, Azores, Portugal, Jul 11–15 2016

PLATO hare & hounds: mode frequency extraction; PLATO WP 120 Meeting, Meudon, France, May 23–24 2016

An ancient extrasolar system with five sub-Earth-sized planets; RAS Ordinary Meeting, London, UK, Oct 9 2015; [Video](#)

Investigating the spin-orbit alignment of exoplanet systems with asteroseismology; Asteroseismology: high-precision stellar metrics for the exoplanet era (RAS Specialist Discussion Meeting), London, UK, May 8 2015

Star quakes and extrasolar planets: an enduring synergy; Física 2014 – 19ª Conferência Nacional de Física e 24º Encontro Ibérico para o Ensino da Física, Lisbon, Portugal, Sep 2–4 2014

Invited Research Seminars

Expanding the frontiers of cool-dwarf asteroseismology with next-generation spectrographs; Department of Physics and Astronomy, Aarhus University, Aarhus, Denmark, Oct 12 2023

Asteroseismology: probing the interiors of stars; FCUL, Lisbon, Portugal, May 17 2023

Synergy between asteroseismology and exoplanet science: an outlook; SAC, Aarhus University, Aarhus, Denmark, May 1 2019

Synergy between asteroseismology and exoplanet science: an outlook; IA, Lisbon, Portugal, Oct 25 2018

Asteroseismology of exoplanet-host stars in the TESS era; University of Göttingen, Göttingen, Germany, Nov 1 2016

Asteroseismology of exoplanet-host stars in the TESS era; University of Warwick, Coventry, UK, Oct 12 2016

Asteroseismology of exoplanet-host stars in the TESS era; IA, Porto, Portugal, Apr 6 2016

An ancient extrasolar system with five sub-Earth-size planets; CENTRA, Instituto Superior Técnico, Lisbon, Portugal, Oct 29 2014

The Procyon campaign: frequency analysis and Maximum A Posteriori (MAP) estimation of p-mode parameters; CAUP, Porto, Portugal, Jan 9 2009

Contributed Talks

Advancing cool-dwarf asteroseismology with Extremely Precise Radial Velocities (EPRVs); TASC9/KASC16 Workshop, Vienna Woods, Austria, Jul 7–11 2025; [Video](#)

Ages and masses of Ariel FGK stars: stellar models, empirical relations and Machine Learning techniques; Ariel Consortium Meeting, Tartu, Estonia, Apr 23–26 2024

Pushing the boundaries of cool-dwarf asteroseismology with ESPRESSO; TASC7/KASC14 Workshop, Honolulu, USA, Jul 17–21 2023; [Video](#)

Homogeneous ages and masses for stars in the Ariel Reference Sample; Ariel Consortium Meeting, Bologna, Italy, Oct 10–12 2022

Pushing the boundaries of cool-dwarf asteroseismology with ESPRESSO (pitch talk); TASC6/KASC13 Workshop, Leuven, Belgium, Jul 11–15 2022; [Video](#)

TESS's first asteroseismic known hosts; TASC5/KASC12, MIT, Cambridge, USA, Jul 22–26 2019

Synergy between asteroseismology and exoplanet observations; The PLATO Mission Conference 2017: Exoplanetary systems in the PLATO era, University of Warwick, Coventry, UK, Sep 5–7 2017

TESS asteroseismology of CHEOPS prime targets; CHEOPS Science Workshop #5, Schloss Seggau, Austria, Jul 24–26 2017

The occurrence rate of planets around retired A stars; Planetary systems beyond the main sequence II, Haifa, Israel, Mar 5–10 2017

Asteroseismology of exoplanet-host stars in the TESS era; National Astronomy Meeting, Nottingham, UK, Jun 27–Jul 1 2016

Asteroseismology of exoplanet-host stars in the TESS era; Extreme Solar Systems III, Waikoloa, USA, Nov 29–Dec 4 2015

Spin-orbit alignment of exoplanet systems: how can asteroseismology help us?; IAU General Assembly XXIX, Focus Meeting 1, Honolulu, USA, Aug 12–14 2015

Spin-orbit alignment of exoplanet systems: analysis of an ensemble of asteroseismic observations; IAU General Assembly XXIX, Focus Meeting 17, Honolulu, USA, Aug 12–14 2015

An ancient extrasolar system with five terrestrial-sized planets; PLATO 2.0 Science Conference, Taormina, Italy, Dec 3–5 2014

An ancient extrasolar system with five sub-Earth-size planets; Towards other Earths II: The star-planet connection, Porto, Portugal, Sep 15–19 2014

KOI-3158: An extremely compact system of five sub-Earth-size planets transiting a seismic K dwarf; CoRoT Symposium 3, KASC7 Joint Meeting, Toulouse, France, Jul 6–11 2014; [Video](#)

Asteroseismic determination of the obliquities of candidate Kepler exoplanet-host stars; Kepler Science Conference II, Moffett Field, USA, Nov 4–8 2013

Asteroseismic determination of the obliquities of candidate Kepler exoplanet-host stars; National Astronomy Meeting, St Andrews, UK, Jul 1–5 2013

Asteroseismic determination of the obliquities of candidate Kepler exoplanet-host stars; 6th Kepler Asteroseismic Science Consortium (KASC6) Conference: A new era of stellar astrophysics with *Kepler*, Sydney, Australia, Jun 23–28 2013

Automated parallel tempering MCMC: Bayesian inference applied to solar-type oscillators; New insights into the Sun: the potential of a new generation of solar-stellar seismic diagnostics, Ponte de Lima, Portugal, Sep 16–18 2009

Automated parallel tempering MCMC: Bayesian inference applied to solar-type oscillators; 2nd Iberian Meeting on Asteroseismology, Vila Pouca da Beira, Portugal, Apr 28–30 2009

Other

Instituto de Astrofísica e Ciências do Espaço; DFA Week, FCUP, Porto, Portugal, Apr 28–30 2025⁶

Ciências planetárias e exoplanetas (panel discussion); Jornadas Espaciais, IST, Lisbon, Portugal, Apr 28–30 2025

Stars Group – Towards a comprehensive study of stars; IAstro Summer Internships Program 2023 (online), Jul 10–28 2023

Stars Group overview; IA-ON10, Fátima, Portugal, Jan 26–27 2023

Homogeneous ages and masses for stars in the Ariel Reference Sample; 3rd Planetary Systems Day @IA, Jan 13 2023

Stars Group overview; IA-ON9 (online), Nov 11 2022

Stars Group – Towards a comprehensive study of stars; IAstro Summer Internships Program 2022 (online), Jul 11–29 2022

Stars Group overview; IA-ON8 (hybrid), Portugal, Nov 10–12 2021

SOAR I – dealing with IA internal matters; IA-ON5, Anadia, Portugal, Oct 15–16 2018

An overview of the Marie Skłodowska-Curie Individual Fellowships; IA Internal Seminar, Porto, Portugal, May 8 2018

12. Observing Programs

- PI: **Campante, T. L.**; Co-Is: Santos, N. C., Adibekyan, V., Cunha, M. S., et al.; *Expanding the frontiers of cool-dwarf asteroseismology with ESPRESSO*; Program ID: 113.26FX; Echelle SPectrograph for Rocky Exoplanets and Stable Spectroscopic Observations (ESPRESSO) at the Very Large Telescope (VLT); Period 113
- PI: **Campante, T. L.**; Co-Is: Santos, N. C., Adibekyan, V., Cunha, M. S., et al.; *Pushing the boundaries of cool-dwarf asteroseismology with ESPRESSO*; Program ID: 109.236P; Echelle SPectrograph for Rocky Exoplanets and Stable Spectroscopic Observations (ESPRESSO) at the Very Large Telescope (VLT); Period 109
- PI: **Campante, T. L.**; Co-Is: Basu, S., Chaplin, W. J., Huber, D., & Latham, D. W.; *Asteroseismology of solar-type stars with K2*; Proposal no.: 15-K2GO3_2-0002; K2 Guest Observer (GO); Cycle 3 (Campaigns 8 and 10)

⁶ The talk was rescheduled due to a power outage and presented on May 19.

- PI: Rainer, M.; Co-Is: **Campante, T. L.**, Tsantaki, M., Delgado Mena, E., et al.; *In-depth characterisation of the faintest Ariel exoplanet host stars*; Program ID: IT-2025B-018; Potsdam Echelle Polarimetric and Spectroscopic Instrument (PEPSI) at the Large Binocular Telescope (LBT); Semester 2025B
- PI: Chowhan, A.; Co-Is: **Campante, T. L.**, Lundkvist, M. S., Vrad, M., et al.; *Shedding light on radius inflation in K dwarfs using interferometry of K-dwarf asteroseismology targets*; Program ID: N/A; MIRC-X, MYSTIC, and SPICA at the CHARA Array; Semester 2025B
- PI: Santos, Â. R. G.; Co-Is: **Campante, T. L.**, Metcalfe, T. S., Kochukhov, O., & Gafeira, R.; *Constraints on magnetic braking and dynamo evolution from spectropolarimetry of β Hydri*; Program ID: 113.26SZ; High Accuracy Radial velocity Planet Searcher (HARPS) at the ESO La Silla 3.6-m telescope; Period 113
- PI: Danielski, C.; Co-Is: **Campante, T. L.**, Tsantaki, M., Delgado Mena, E., et al.; *Building a public catalogue of homogeneously characterised Ariel exoplanet-host stars*; Program ID: 109.23J9; Ultraviolet and Visual Echelle Spectrograph (UVES) at the Very Large Telescope (VLT); Period 109
- PI: Grunblatt, S.; Co-Is: **Campante, T. L.**, Pereira, F., & Veras, D.; *Planetary Archaeology: Characterizing Planet Candidates Transiting Evolved Stars*; Program ID: N085; High Resolution Echelle Spectrometer (HIRES) at the W. M. Keck Observatory; Semester 2021B
- PI: Grunblatt, S.; Co-Is: **Campante, T. L.**, Pereira, F., & Veras, D.; *Planetary Archaeology: Characterizing Planet Candidates Transiting Evolved Stars*; Program ID: N098; High Resolution Echelle Spectrometer (HIRES) at the W. M. Keck Observatory; Semester 2021A
- PI: Danielski, C.; Co-Is: **Campante, T. L.**, Tsantaki, M., Delgado Mena, E., et al.; *A precise characterisation of the ARIEL stars*; Program ID: 106.21QS; Ultraviolet and Visual Echelle Spectrograph (UVES) at the Very Large Telescope (VLT); Period 106
- PI: Benatti, S.; Co-Is: **Campante, T. L.**, Rainer, M., Sanna, N., et al.; *A precise characterisation of the ARIEL stars*; Program ID: A41TAC_45; High Accuracy Radial velocity Planet Searcher (HARPS-N) at the Telescopio Nazionale Galileo (TNG); Period AOT41
- PI: Danielski, C.; Co-Is: **Campante, T. L.**, Tsantaki, M., Delgado Mena, E., et al.; *A precise characterisation of the ARIEL stars*; Program ID: 105.20P2; Ultraviolet and Visual Echelle Spectrograph (UVES) at the Very Large Telescope (VLT); Period 105
- PI: Machado, P.; Co-Is: **Campante, T. L.**, Santos, N. C., Peralta, J., et al.; *Jupiter seismology with ESPRESSO*; Program ID: 0103.C-0203(A); Echelle Spectrograph for Rocky Exoplanets and Stable Spectroscopic Observations (ESPRESSO) at the Very Large Telescope (VLT); Period 103
- PI: North, T. S. H.; Co-Is: **Campante, T. L.**, Chaplin, W. J., Sousa, S. G., & Delgado Mena, E.; *Homogeneous elemental abundances of evolved exoplanet-host stars*; Project ID: P05_04; High-resolution spectrograph at the Hertzsprung Stellar Observations Network Group (SONG) telescope; Period 5
- PI: North, T. S. H.; Co-Is: **Campante, T. L.**, Chaplin, W. J., Kuzlewicz, J. S., Miglio, A., Davies, G. R., Rendle, B. M., & Lund, M. N.; *Global asteroseismology of an evolved exoplanet-host star*; Project ID: P04_04; High-resolution spectrograph at the Hertzsprung Stellar Observations Network Group (SONG) telescope; Period 4
- PI: North, T. S. H.; Co-Is: **Campante, T. L.**, Chaplin, W. J., Sousa, S. G., & Delgado Mena, E.; *Homogeneous elemental abundances of evolved exoplanet-host stars*; Project ID: P04_03; High-resolution spectrograph at the Hertzsprung Stellar Observations Network Group (SONG) telescope; Period 4
- PI: North, T. S. H.; Co-Is: **Campante, T. L.**, Chaplin, W. J., Sousa, S. G., & Delgado Mena, E.; *Homogeneous elemental abundances of evolved exoplanet-host stars*; Project ID: P03_02; High-resolution spectrograph at the Hertzsprung Stellar Observations Network Group (SONG) telescope; Period 3
- PI: Doğan, G.; Co-Is: **Campante, T. L.**, Brandão, I. M., Handberg, R., Creevey, O. L., Mathur, S., Bruntt, H., & Karoff, C.; *Urgent Spectroscopic Support for Kepler Photometry on 5 Unique Solar-Like Stars*; Proposal no.: 41- 407 (Fast-Track Service Program); Fibre-fed Echelle Spectrograph (FIES) at the Nordic Optical Telescope (NOT); Period 41

13. Teaching

I have extensive teaching experience, both at the undergraduate (4 courses lectured at the University of Birmingham) and postgraduate levels (1 PhD and 1 MSc courses lectured at the University of Porto). I have been an invited lecturer in 2 international advanced schools. Moreover, I have previously delivered training courses for high-school teachers accredited by *Centro de Formação Ciência Viva*.

Postgraduate Courses

- | | |
|----------------|---|
| 2019 – present | Time-Domain Astronomy; Category: <u>Lecturer</u> ; Doctoral Program in Astronomy, Faculdade de Ciências da Universidade do Porto, Portugal |
| 2019 – 2024 | Stellar Structure and Evolution; Category: <u>Lecturer</u> ; Master's Degree in Astronomy and Astrophysics/Master's Degree in Physics, Faculdade de Ciências da Universidade do Porto, Portugal |

Sep 19–30 2022	Galactic Archaeology and Asteroseismology: A Synergetic Approach; Category: <u>Invited Lecturer</u> ; Sub-Saharan Africa Astronomy Summer School (SSAASS), Uganda
2017 – 2018	Stellar Structure and Evolution; Category: <u>Teaching Assistant</u> ; Master's Degree in Astronomy and Astrophysics/Master's Degree in Physics, Faculdade de Ciências da Universidade do Porto, Portugal
2013 – 2018	Time-Domain Astronomy; Category: <u>Lecturer</u> ; Doctoral Program in Astronomy, Faculdade de Ciências da Universidade do Porto, Portugal
Jul 17–27 2016	Data Analysis in Asteroseismology; Category: <u>Invited Lecturer</u> ; IVth Azores International Advanced School in Space Sciences, Instituto de Astrofísica e Ciências do Espaço, Portugal

Undergraduate Courses

2016 – 2017	Year 4 Projects; Category: <u>Teaching Assistant</u> ; Physics and Astrophysics (BSc), University of Birmingham, United Kingdom
2015 – 2017	Year 3 Group Studies; Category: <u>Teaching Assistant</u> ; Physics and Astrophysics (BSc), University of Birmingham, United Kingdom
2015 – 2016	Year 2 Physics Lab; Category: <u>Demonstrator</u> ; Physics (BSc), University of Birmingham, United Kingdom
2012 – 2015	Year 1 Astrolab; Category: <u>Demonstrator</u> ; Physics and Astrophysics (BSc), University of Birmingham, United Kingdom

Other

May 29 2021	Exoplanetas e Técnicas de Detecção; Category: <u>Lecturer</u> ; Formação <i>Viver Astronomia</i> (online), Portugal
Nov 16 2019	Exoplanetas: Introdução às Técnicas de Detecção de Planetas Extrassolares; Category: <u>Organizer/Lecturer</u> ; Training Course for High-School Teachers accredited by Centro de Formação Ciência Viva, Portugal
Apr 6 2019	Exoplanetas: Introdução às Técnicas de Detecção de Planetas Extrassolares; Category: <u>Organizer/Lecturer</u> ; Training Course for High-School Teachers accredited by Centro de Formação Ciência Viva, Portugal

14. Supervision

I supervise or have supervised 23 research projects: 2 postdoctoral researchers (1 completed, 1 ongoing), 6 PhD (3 completed, 3 ongoing) and 4 MSc projects (all completed), 2 predoctoral internships (both completed), and 9 undergraduate projects/internships (all completed).

Filipe Pereira; **Postdoctoral Researcher** (2022 – present); Position funded by *PLATO*, PRODEX Experiment Arrangement (PEA no.: 4000133026), ESA - PRODEX; Instituto de Astrofísica e Ciências do Espaço, Portugal

Charlotte Gehan; **Postdoctoral Researcher** (2019 – 2021); Position funded by *Breaking through outstanding problems in stellar evolution with ultra-precise space-based photometry*, R&D Project (PTDC/FIS-AST/30389/2017), Fundação para a Ciência e a Tecnologia; Instituto de Astrofísica e Ciências do Espaço, Portugal

Rúben Costa; **PhD student** (2024 – present); Role: Supervisor; Thesis title: *Asteroseismic inversions for a precise characterization of solar-like stars*; Faculdade de Ciências da Universidade do Porto, Portugal

Andreas Neitzel; **PhD student** (2022 – present); Role: Supervisor; Thesis title: *Machine learning applied to Galactic archaeology*; Faculdade de Ciências da Universidade do Porto, Portugal

Miguel Tavares Clara; **PhD student** (2019 – present); Role: Co-supervisor; Thesis title: *The physics of stars: Building the next generation suite of tools to explore seismic data acquired from space*; Faculdade de Ciências da Universidade do Porto, Portugal

Thibault Boulet; **PhD student** (2019 – 2025); Role: Supervisor; Thesis title: *Galactic archaeology with red giants in the Milky Way disc*; Faculdade de Ciências da Universidade do Porto, Portugal; [URL \(Thesis\)](#)

Filipe Pereira; **PhD student** (2016 – 2021); Role: Supervisor; Thesis title: *Detection and characterisation of planets orbiting oscillating red-giant stars with NASA's TESS mission*; Faculdade de Ciências da Universidade do Porto, Portugal; [URL \(Thesis\)](#)

Benard Nsamba⁷; **PhD student** (2015 – 2020); Role: Co-supervisor; Thesis title: *Asteroseismic characterisation of exoplanet-host stars in preparation for NASA's TESS and ESA's PLATO space missions*; Faculdade de Ciências da Universidade do Porto, Portugal; [URL \(Thesis\)](#)

⁷ Awarded the 2022 edition of the Fundação Eng. António de Almeida prize for his thesis work.

Ayoub Ait Benhamou; **Predocctoral Internship Erasmus+** (2021); Role: Supervisor; Project title: *Galactic Archaeology with NASA's TESS space mission*; Instituto de Astrofísica e Ciências do Espaço, Portugal

Thibault Boulet; **Predocctoral Internship Stages Monde** (2019); Role: Supervisor; Project title: *Detecting and characterizing exoplanets around evolved stars with NASA's TESS mission*; Instituto de Astrofísica e Ciências do Espaço, Portugal

Rúben Costa; **MSc student** (2023 – 2024); Role: Supervisor; Thesis title: *Pushing the boundaries of cool-dwarf asteroseismology with ESPRESSO*; Faculdade de Ciências da Universidade do Porto, Portugal; [URL \(Thesis\)](#)

Andreas Neitzel⁸; **MSc student** (2021 – 2022); Role: Co-supervisor; Thesis title: *Determination of age and mass for seismic stars in the Ariel input catalog*; Faculdade de Ciências da Universidade do Porto, Portugal; [URL \(Thesis\)](#)

Miguel Tavares Clara; **MSc student** (2018 – 2019); Role: Supervisor; Thesis title: *Asteroseismology with the space mission PLATO: Testing modelling requirements for subgiant stars*; Faculdade de Ciências da Universidade do Porto, Portugal; [URL \(Thesis\)](#)

Nuno Moedas; **MSc student** (2018 – 2019); Role: Supervisor; Thesis title: *Asteroseismic grid modeling of the Kepler LEGACY sample: Investigating the helium enrichment law*; Faculdade de Ciências da Universidade do Porto, Portugal; [URL \(Thesis\)](#)

Maryam Ahsan; **IA Summer Program 2025** (2025); Role: Co-supervisor; Project title: *Hands-on Galactic archaeology and Machine Learning using synthetic data*; Instituto de Astrofísica e Ciências do Espaço, Portugal

Cécilia Russo; **IA Summer Program 2025** (2025); Role: Co-supervisor; Project title: *Hands-on Galactic archaeology and Machine Learning using synthetic data*; Instituto de Astrofísica e Ciências do Espaço, Portugal

Anish Kalsi; **IA Summer Program 2025** (2025); Role: Co-supervisor; Project title: *Hands-on Galactic archaeology and Machine Learning using synthetic data*; Instituto de Astrofísica e Ciências do Espaço, Portugal

Ricardo Vaca; **Programa de Estágios Extra-Curricular, PEEC** (2025); Role: Supervisor; Project title: *Galactic archaeology: Dissecting a Milky Way-like galaxy into its stellar populations*; Faculdade de Ciências da Universidade do Porto, Portugal

João Pinto; **IA Summer Program 2024** (2024); Role: Co-supervisor; Project title: *Hands-on Galactic archaeology and Machine Learning using synthetic data*; Instituto de Astrofísica e Ciências do Espaço, Portugal

Soumyadeep Sarkar; **IA Summer Program 2024** (2024); Role: Co-supervisor; Project title: *Hands-on Galactic archaeology and Machine Learning using synthetic data*; Instituto de Astrofísica e Ciências do Espaço, Portugal

Mariana Júlio; **Programa de Estágios Extra-Curricular, PEEC** (2019); Role: Supervisor; Project title: *Explorando os dados científicos provenientes do satélite TESS da NASA*; Faculdade de Ciências da Universidade do Porto, Portugal

Bárbara Soares; **Programa de Estágios Extra-Curricular, PEEC** (2019); Role: Supervisor; Project title: *Explorando os dados científicos provenientes do satélite TESS da NASA*; Faculdade de Ciências da Universidade do Porto, Portugal

Benjamin Cooke; **Undergraduate Summer Studentship** (2016); Role: Supervisor; Project title: *The impact of TESS asteroseismology on the characterisation of known exoplanet systems*; University of Birmingham, United Kingdom

15. Membership of Academic Degree Juries

Degree⁹: **Qualifying Exam (MSc-level equivalent)**; Candidate: Jens Reersted Larsen; Role: Examiner; Institution: Aarhus University (Denmark); Year: 2025; Thesis title: *From stellar variations to global stellar properties*

Degree: **MSc**; Candidate: Rúben Costa; Role: Supervisor; Institution: Faculdade de Ciências da Universidade do Porto; Year: 2024; Thesis title: *Pushing the boundaries of cool-dwarf asteroseismology with ESPRESSO*

Degree: **PhD**; Candidate: Mark Lykke Winther; Role: Examiner; Institution: Aarhus University (Denmark); Year: 2023; Thesis title: *Dimensional problems in stellar modelling: The computational challenge*

Degree: **MSc**; Candidate: Maria Ferreira; Role: Examiner; Institution: Faculdade de Ciências e Tecnologia da Universidade de Coimbra; Year: 2023; Thesis title: *Small separations in red-giant stars: Quest for late-evolution signatures using asteroseismology*

Degree: **PhD**; Candidate: Sai Prathyusha Malla; Role: Examiner; Institution: The University of New South Wales (Australia); Year: 2022; Thesis title: *Weighing evolved stars using asteroseismology*

⁸ Awarded the prize for best MSc student (MSc in Astronomy and Astrophysics at FCUP).

⁹ Not conducive to a degree. The exam concluded the so-called “Part A” of the PhD program.

Degree: **PhD**; Candidate: Filipe Pereira; Role: Supervisor; Institution: Faculdade de Ciências da Universidade do Porto; Year: 2021; Thesis title: *Detection and characterisation of planets orbiting oscillating red-giant stars with NASA's TESS mission*

Degree: **PhD**; Candidate: Benard Nsamba; Role: Supervisor; Institution: Faculdade de Ciências da Universidade do Porto; Year: 2020; Thesis title: *Asteroseismic characterisation of exoplanet-host stars in preparation for NASA's TESS and ESA's PLATO space missions*

Degree: **MSc**; Candidate: Nuno Moedas; Role: Supervisor; Institution: Faculdade de Ciências da Universidade do Porto; Year: 2019; Thesis title: *Asteroseismic grid modeling of the Kepler LEGACY sample: Investigating the helium enrichment law*

Degree: **MSc**; Candidate: Miguel Tavares Clara; Role: Supervisor; Institution: Faculdade de Ciências da Universidade do Porto; Year: 2019; Thesis title: *Asteroseismology with the space mission PLATO: Testing modelling requirements for subgiant stars*

Degree: **PhD**; Candidate: Douglas Compton; Role: Examiner; Institution: The University of Sydney (Australia); Year: 2018; Thesis title: *Time series and spectral analysis in asteroseismology*

16. Scientific Editor

Associate Editor¹⁰ for Frontiers in Astronomy and Space Sciences (Front. Astron. Space Sci.) and Frontiers in Physics (Front. Phys.) since 2021

Review Editor for Frontiers in Astronomy and Space Sciences (Front. Astron. Space Sci.) and Frontiers in Physics (Front. Phys.) from 2019 to 2021

Type of publication: Conference proceedings volume; Editor of the proceedings of the 8th TESS/15th *Kepler* Asteroseismic Science Consortium Workshop (TASC8/KASC15), held 15–19 July 2024 in Porto, Portugal (Zenodo; Bibcode: 2024tkas.conf.....; DOI: 10.5281/zenodo.13771620)¹¹

Type of publication: e-book; Editor of “Challenges of asteroseismology in the era of space missions” (Front. Astron. Space Sci.; Lausanne: Frontiers Media SA; ISBN: 978-2-83251-152-7; DOI: 10.3389/978-2-83251-152-7)

Type of publication: Book; Editor of “Asteroseismology and Exoplanets: listening to the stars and searching for new worlds — IVth Azores International Advanced School in Space Sciences”, part of the Astrophysics and Space Science Proceedings book series (ASSP, volume 49; Springer International Publishing; Hardcover ISBN: 978-3-319-59314-2; DOI: 10.1007/978-3-319-59315-9)

17. Scientific Reviewer

Referee¹² for the following international peer-reviewed journals (~2.2 reviewed manuscripts on average per year):

- The Astronomical Journal (AJ)
- The Astrophysical Journal (ApJ)
- Monthly Notices of the Royal Astronomical Society (MNRAS)
- Astronomy & Astrophysics (A&A)
- Frontiers in Astronomy and Space Sciences (Front. Astron. Space Sci.)
- Proceedings of the American Philosophical Society (PAPhS)

Scientific Reviewer for the Portuguese Language Group of the IAU Astronomy Translation Network (8 reviewed resources)

18. Participation in Evaluation and Selection Panels/Committees

I am a regular evaluator in international panels for funding research (e.g., NASA Astrophysics Data Analysis Program, NASA Postdoctoral Program, Swiss National Science Foundation, and European Research Executive Agency) and a reviewer for state-of-the-art observing facilities (e.g., Hubble and OPTICON).

Evaluation Expert for MSCA Postdoctoral Fellowships 2025 (Marie Skłodowska-Curie Actions) – European Research Executive Agency (2025)

Member of the Research Foundation – Flanders (FWO) Review College (2025 – 2027)

Member of the Monitoring Committee of PhD student Afonso do Vale, Doctoral Program in Physics and Astrophysics, Faculdade de Ciências da Universidade de Lisboa (FCUL), Portugal (2023 – present)

¹⁰ A complete listing of editorial contributions (edited research topics and edited publications) can be found [here](#).

¹¹ The Zenodo community containing all records can be found [here](#). The provided DOI points to a record containing the abstract booklet.

¹² Detailed referee statistics can be found [here](#).

Member of the Evaluation Committee for the Doctoral Program in Astronomy, Faculdade de Ciências da Universidade do Porto, Portugal (2021 – present)

Reviewer for ANID's (Chile) “Concurso Fondecyt de Iniciación en Investigación 2026” (2025)

Rapporteur for the Physics Department of the Faculdade de Ciências e Tecnologia da Universidade de Coimbra (FCTUC), Portugal on the performance of Dr. Ricardo Gafeira (2023 – 2024)

External Reviewer for the Swiss National Science Foundation (SNSF) – STEM Projects (2023)

Chair/Member of the Selection Committee for the following calls at Instituto de Astrofísica e Ciências do Espaço:

- IA2022-14-BID: 1 PhD Research Fellowship (2022)
- IA2022-06-BI-M (Chair): 3 Research Fellowships (2022)
- IA2022-02-BII (Chair): 4 Research Initiation Fellowships (2022)
- IA2021-27-BII (Chair): 4 Research Initiation Fellowships (2021)
- IA2021-25-CTTI: 1 Postdoctoral Researcher (2021)
- IA2021-18-CTTI: 1 Postdoctoral Researcher (2021)
- IA2021-12-CTTI: 1 Postdoctoral Researcher (2021)
- IA2020-14-CTTI: 1 Postdoctoral Researcher (2020)
- IA2019-20-BIL: 1 Research Fellowship (2019)
- IA2019-01-BID: 1 Postdoctoral Fellowship (2019)

External Reviewer for the OPTICON Trans-National Access Program (Semester 2021B)

External Reviewer for Hubble Space Telescope Cycle 28 Mid-Cycle (October 2020)

External Reviewer for Hubble Space Telescope Cycle 28 (April 2020)

External Reviewer for the OPTICON Trans-National Access Program (Semester 2017A)

External Reviewer for the OPTICON Trans-National Access Program (Semester 2016B)

Reviewer for the NASA Postdoctoral Program (November 2016 Cycle)

Reviewer in NASA's K2 GO Cycle 3 Campaign 9 DDT Proposal Reviews (January 2016)

Panelist in NASA's ADAP 2015 Panel Review (August 2015)

Panelist in NASA's K2 GO Cycle 2 Panel Review (April 2015)

19. Membership of Committees/Councils/Boards

Chair of the SOC and LOC of the TASC8/KASC15 Workshop, Porto, Portugal, Jul 15–19 2024; [URL](#)

Chair of the SOC of the 8th Iberian Meeting on Asteroseismology (online), Oct 18–21 2021; [URL](#)

Chair of the SOC of the 30th Encontro Nacional de Astronomia e Astrofísica (online), Sep 9–11 2020; [URL](#)

Chair of the RAS Specialist Discussion Meeting on *Merging giant-star asteroseismology with the fate of extrasolar planetary systems*, London, UK, Mar 9 2018; [URL](#)

Chair of the SOC of the IVth Azores International Advanced School in Space Sciences on *Asteroseismology and Exoplanets*, Horta, Azores, Portugal, Jul 17–27 2016; [URL](#)

Member of the LOC of the 12th Iberian Meeting on Asteroseismology, Luso, Portugal, Nov 23–26 2025; [URL](#)

Member of the SOC of the Symposium on *Stellar ages across the cosmos: Unveiling the chronology of the Universe*, EAS 2025, Symposium S9, Cork, Ireland, Jun 23–27 2025; [URL](#)

Member of the LOC of the Porto Summer School on Asteroseismology: From Pixels to Stellar Ages, Azurara, Portugal, Jul 22–26 2024; [URL](#)

Member of the SOC of the Workshop on *Fundamental stellar parameters from asteroseismology in the era of Gaia*, Aarhus, Denmark, Jun 13–15 2022; [URL](#)

Member of the Steering Committee of The Good Vibrations Seminar Series (online), 2020 – 2023; [URL](#)

Member of the SOC of the HoRSE: High-Resolution Spectroscopy for Exoplanet atmospheres Workshop, Nice, France, Oct 1–5 2018

Member of the LOC of the TASC3/KASC10 Workshop, Birmingham, UK, Jul 16–21 2017

Member of the SOC of the 2016 PERCAT LES & EPS Research Conference, Birmingham, UK, Jun 1 2016

Member¹³ of the General Assembly of Centro de Astrofísica da Universidade do Porto (CAUP) since 2024

Member (elected) of the Organizing Committee of Commission G4 (Pulsating Stars) of the International Astronomical Union since 2024

Member of the Scientific Council of Centro de Astrofísica da Universidade do Porto (CAUP)/Instituto de Astrofísica e Ciências do Espaço (IA) since 2017

¹³ Admitted as member of “CAUP - Associação” on the 13th of December 2024.

Member of the Steering Committee of the Postdoctoral and Early Researcher CAREER development and Training (PERCAT), University of Birmingham from 2016 to 2017

Member of the Editorial Board of Stellar and Solar Physics, specialty section of Frontiers in Astronomy and Space Sciences and Frontiers in Physics¹⁴ since 2019

20. Membership of Scientific Consortia

Lead of a Work Package on the “Stellar age/mass/radius determination” within the framework of the Ariel Science Consortium since 2019

Lead of Work Package 374 100 (“Model grid acquisition”) within the framework of the PLATO Data Center (PDC) since 2018

Lead of Work Package 128 220 (“Solar-like stars with planets”) within the framework of the PLATO Science Management (PSM) from 2014 to 2017

Member of Work Package 166 000 (“Galactic structure”) within the framework of the PLATO Complementary Science program (PLATO-CS) since 2025

Member of the Science Team of the Paranal solar ESPRESSO Telescope (PoET) since 2025

Member of the Stellar Observations Network Group (SONG) Working Group 1 (“Asteroseismology”), Working Group 2 (“Exoplanets”), and Working Group 4 (“Spectroscopic variability”) since 2024

Member of the TESS Target Selection Working Group from 2015 to 2019

Member of the TESS Asteroseismic Science Operations Center (TASOC) since 2015

Member of the TESS Asteroseismic Science Consortium (TASC) Working Group 0 (“Data preparation”), Working Group 1 (“Exoplanet hosts”), Working Group 2 (“Solar-type stars”), Working Group 3 (“Clusters”), and Working Group 7 (“Red giants”) since 2015

Member of the *Kepler* Asteroseismic Science Operations Center (KASOC) since 2009

Member of the *Kepler* Asteroseismic Science Consortium (KASC) Working Group 1 (“Sun-like stars”) and Working Group 8 (“Red-giant stars”) since 2009

Member of the Astero Fitting at Low Angular degree Group (AsteroFLAG) from 2009 to 2012 (as ISSI Young Scientist)

21. Membership of Associations/Societies

Member of the European Astronomical Society since 2025

Member of the Marie Curie Alumni Association since 2018

Member of the International Astronomical Union (Divisions B, F and G; Commissions B3, F2 and G4) since 2015

Fellow of the Royal Astronomical Society from 2013 to 2018

Member of the Portuguese Astronomical Society since 2011

22. Outreach and Press

I am an avid science communicator, giving frequent public talks to various target groups (gave 21 public talks and organized 13 events in three different countries since 2015). As an example, during my Marie Curie Fellowship, I led an outreach program in partnership with *Ciência Viva*, through which I toured Portugal hosting a series of Café Scientifique-like events. I often contribute to the national and international media on research-related stories (at least 21 TV/radio/podcast appearances, 39 written press/online media contributions, and 2 magazine articles since 2015). I run my own research blog, which can be found [here](#).

Magazine articles

Arqueologia Galáctica; **National Geographic (Portugal)**, Jun 8 2020; [URL](#)

A sinfonia das estrelas afinal existe; **Sul Informação (Portugal)**, Oct 30 2017; [URL](#)

Written press and online media contributions (selected)

Investigadores U.Porto — Tiago Campante; **Science@U.Porto (Portugal)**, Jul 2025; [URL](#)

The 'born-again dynamo' of the sun's elder twin; **Phys.org (UK)**, Jun 23 2025; [URL](#)

Salvação da espécie ou exploração de recursos: afinal, o que procuramos no espaço?; **Expresso (Portugal)**, Jan 3 2025; [URL](#)

Peritos mundiais em asterossismologia reunidos na FCUP; **noticias.up.pt (Portugal)**, Jul 15 2024; [URL](#)

¹⁴ The Stellar and Solar Physics section has been de-crosslisted from Frontiers in Physics as of 2025.

Starquakes; **All About Space (UK)**, Jun 13 2024; [URL](#)

Smallest known starquakes are detected with a subtle shift of colour; **Nature**, Apr 4 2024; [URL](#)

Construção do telescópio dos 1.000 exoplanetas avança com participação portuguesa; **SAPO Tek (Portugal)**, Aug 4 2023; [URL](#)

Astrónomo português ajuda a descobrir exoplaneta que “escapou” a estrela gigante vermelha; **SAPO Tek (Portugal)**, Jun 28 2023; [URL](#)

FCUP tem 32 investigadores entre os melhores do mundo; **sigarra.up.pt (Portugal)**, May 9 2023; [URL](#)

IA coorganizou escola avançada de astronomia da África Subsariana; **iaastro.pt (Portugal)**, Oct 25 2022; [URL](#)

Investigador do IA recebe prémio da Fundação Eng. António de Almeida; **iaastro.pt (Portugal)**, Oct 14 2022; [URL](#)

Espaço 2022 — O próximo ano visto ao telescópio; **SAPO Tek (Portugal)**, Dec 28 2021; [URL](#)

Tirar medidas às estrelas: um passo fundamental para saber como são as outras “Terras”; **iaastro.pt (Portugal)**, Nov 18 2021; [URL](#)

Ringing stars help us sound out distant planets; **CORDIS | European Commission**, Mar 19 2021; [URL](#)

Tiago Campante encerra no Exploratório ciclo de conversas “À Descoberta do Universo”; **Notícias de Coimbra (Portugal)**, Oct 20 2020; [URL](#)

Investigadores do IA/U.Porto desvendam estrela que explica passado da Via Láctea; **noticias.up.pt (Portugal)**, Jan 14 2020; [URL](#)

TOI 700 d. Novo caçador de planetas encontrou a sua primeira “Terra”; **Jornal i (Portugal)**, Jan 8 2020; [URL](#)

PhD::SPACE student wins Humboldt Fellowship; **iaastro.pt (Portugal)**, Nov 8 2019; [URL](#)

‘Improbable planet’ somehow survives being swallowed by red giant star; **Space.com (USA)**, Nov 1 2019; [URL](#)

MSCA Fellow of the Week; **European Commission**, Oct 4 2019; [URL 1 \(Facebook\)](#) [URL 2 \(Twitter\)](#)

UP research at the forefront of exoplanets exploration; **Porto.pt (Portugal)**, Jun 21 2019; [URL](#)

Está confirmado o primeiro exoplaneta... 10 anos depois e com a ajuda de um português; **Expresso (Portugal)**, Mar 5 2019; [URL](#)

A aventura portuguesa no espaço; **Correio da Manhã (Portugal)**, Jan 27 2019; [URL](#)

Entrevista GPS #44: «Sabia que as estrelas fazem parte de uma sinfonia estelar?»; **Global Portuguese Scientists (Portugal)**, Dec 12 2018; [URL](#)

Telescópio Kepler passa à reforma depois de ter “caçado” mais de 2600 exoplanetas; **Público (Portugal)**, Oct 30 2018; [URL](#)

Caçador de planetas da NASA descobriu uma “Super-Terra” e uma “Terra muito quente”; **SIC Notícias (Portugal)**, Sep 24 2018; [URL](#)

Featured in Porto Campeão; **Time Out Porto (Portugal)**, issue no. 99, June 2018; [URL](#)

Tiago Campante. “O futuro das ciências do espaço em Portugal está garantido”; **Sol (Portugal)**, May 8 2018; [URL](#)

Portugueses ajudam NASA a encontrar novos planetas extra-solares; **JN (Portugal)**, Apr 16 2018; [URL](#)

Featured in Educação; **Jornal Universitário do Porto (Portugal)**, Mar 12 2018; [URL](#)

Estrela semelhante ao Sol ajuda investigadores a compreender o ciclo solar; **RTP Notícias (Portugal)**, Jan 9 2018; [URL](#)

Estrelas e exoplanetas juntam alunos e docentes de todo o mundo na Horta; **Açoriano Oriental (Portugal)**, Jul 30 2016; [URL](#)

Deserto de super-Terras quentes existe mesmo pela Via Láctea fora; **Público (Portugal)**, Apr 12 2016; [URL](#)

Kapteyn b: Exoplanet or Illusion?; **Sky & Telescope (USA)**, Jun 9 2015; [URL](#)

Ancient star raises prospects of intelligent life; **Astrobiology Magazine (USA)**, May 7 2015

Planetary system older than once thought possible — 11.2 billion years old; **LA Times (USA)**, Jan 28 2015; [URL](#)

Ancient miniature solar system hints at existence of alien life; **The Telegraph (UK)**, Jan 27 2015; [URL](#)

Ancient planets are almost as old as the universe; **New Scientist (UK)**, Jan 27 2015; [URL](#)

Newly found star system has 5 Earth-sized planets, the oldest ever seen in the Milky Way; **The Washington Post (USA)**, Jan 27 2015; [URL](#)

NASA Kepler finds Milky Way's oldest known Earth-mass planets; **Forbes (USA)**, Dec 23 2014; [URL](#)

Os portugueses mais inovadores que trabalham no estrangeiro; **Sábado (Portugal)**, Nov 21 2013; [URL](#)

Português na descoberta do primeiro sistema solar desalinhado; **Diário de Notícias (Portugal)**, Oct 18 2013; [URL](#)

Featured in Pessoa; **Newsletter da Universidade do Porto (Portugal)**, 141st edition, Sep 26 2011; [URL](#)

TV, radio, and podcast appearances (selected)

Guest on the program *Alexandria*, broadcast by **RTP2 (Portugal)**, Oct 27 2024; [URL](#)

Guest on the program *Rádio Aurora — A Outra Voz*, broadcast (among other radio stations) by **Antena 1 (Portugal)**, Jul 18 (Part 1) and 25 (Part 2) 2024; [URL \(Part 1\)](#) [URL \(Part 2\)](#)

Interview given to **Antena 1 (Portugal)** as part of a news segment, Mar 27 2024; [URL](#)

Interview given to **Antena 1 (Portugal)** as part of a news segment, Jan 16 2024; [URL](#)

Featured in *90 Segundos de Ciência*, broadcast by **Antena 1 (Portugal)**, May 15 2023; [URL](#)

Featured in *Fazedores do Futuro — U.Porto 110 anos*, **Universidade do Porto (Portugal)**, Mar 20 2021; [URL](#)

Guest on the program *Mentes que Brilham*, broadcast by **Porto Canal (Portugal)**, Mar 10 2020; [URL](#)

Declaration in support of *Encontro pelo Planeta*, an event promoted by **Centro Ciência Viva de Lagos (Portugal)**, Dec 16 2019; [URL](#)

Interview given to **TVI24 (Portugal)**, Nov 5 2019; [URL](#)

Featured in segment *Falar Global*, broadcast by **CMTV (Portugal)**, Aug 4 2019; [URL](#)

Guest on the program *Sociedade Civil*, broadcast by **RTP2 (Portugal)**, May 16 2018; [URL](#)

Interview given to **TSF (Portugal)**, Apr 16 2018; [URL](#)

Interview given to **Antena 1 (Portugal)** as part of the segment *Os Dias do Futuro*, Mar 3 2018; [URL](#)

Podcast of appearance on the **Computer America (USA)** radio talk show, Mar 6 2015; [URL](#)

Podcast of interview given to **The Naked Scientists (UK)**, Feb 2 2015; [URL](#)

Podcast of interview given to **CBC (Canada)** radio, Jan 31 2015; [URL](#)

Podcast of interview given to **ABC (Australia)** radio, Jan 28 2015; [URL](#)

Interview given to **Rede Globo (Brazil)**, Jan 28 2015; [URL](#)

Interview given to **RTP Notícias (Portugal)**, Jan 28 2015; [URL](#)

Featured in news segment broadcast by **SIC Notícias (Portugal)**, Jan 28 2015; [URL](#)

Interview given to **BBC News/BBC World (UK)**, Jan 27 2015; [URL](#)

Oral communications

Grupo de Investigação de Estrelas - Rumo a um estudo abrangente de estrelas (as part of the panel discussion on *A ciência da Astronomia Contemporânea*); Encontro Regional dos Clubes Ciência Viva do Planetário do Porto - CCV 2024, Porto, Portugal, December 7 2024

A sinfonia das estrelas; Ignite IAstro, Vizela, Portugal, May 20 2023

The music of the stars; Taibah International School, Kampala-Entebbe Rd, Uganda, Sep 22 2022

The music of the stars; St. Mary's College Kisubi, Kisubi, Uganda, Sep 21 2022

Os salteadores de tesouros da Via Láctea; O Universo Online (online), Portugal, Jun 26 2021; [Video](#)

A sinfonia das estrelas; Clubes Ciência Viva na Escola (CCVnE), Agrupamento de Escolas Dr. Serafim Leite, São João da Madeira, Portugal, Oct 16 2020

Relógio de Sol ou de “sombra”?; Encontro com o Cientista/Escola Ciência Viva, Centro Ciência Viva de Lagos, Lagos, Portugal, Nov 29 2019

Planetas ao som das estrelas; Programa Cientificamente Provável, Escola Básica de Valadares, Vila Nova de Gaia, Portugal, Apr 5 2019

Planetas ao som das estrelas; Noites no Observatório, Planetário Calouste Gulbenkian - Centro Ciência Viva, Lisbon, Portugal, Jan 26 2019; [Video](#)

A sinfonia das estrelas; Ignite IAstro, Tomar, Portugal, Nov 10 2018

A sinfonia das estrelas; Ignite IAstro, Guimarães, Portugal, Oct 13 2018

Planetas ao som das estrelas; Dark Sky Party Alqueva 2018, Reguengos de Monsaraz, Portugal, Jul 13–14 2018

Planetas à luz das estrelas; Noites no Observatório, Planetário Calouste Gulbenkian - Centro Ciência Viva, Lisbon, Portugal, Nov 25 2017; [Video](#)

A música das estrelas e a procura de novos mundos; Escola Básica e Secundária de Infias, Vizela, Portugal, Feb 24 2017

The music of the stars and the search for new worlds; Astronomy in the City, University of Birmingham, Birmingham, UK, Jan 25 2017

The music of the stars and the search for new worlds; Observatório Astronómico de Santana, Rabo de Peixe, Azores, Portugal, Jul 29 2016

The music of the stars and the search for new worlds; Wolverhampton Astronomical Society, Wolverhampton, UK, Mar 21 2016

The music of the stars and the search for new worlds; Malvern College, Malvern, UK, Mar 18 2016

The music of the stars and the search for new worlds; King Edward VI Five Ways School, Birmingham, UK, Mar 14 2016 (2 talks)

Out into Space; Café Scientifique, Birmingham, UK, Jun 2 2015

The music of the stars and the search for new worlds; Arts and Science Festival 2015, University of Birmingham, Birmingham, UK, Mar 17 2015

Testemunho do astrónomo Tiago Campante; Astronomia: Um curso superior com saídas profissionais, Centro de Astrofísica/Planetário do Porto, Porto, Portugal, Apr 20 2012

A ciência por quem a faz, a ciência por quem a ensina, a ciência por quem a aprende; Café de Ciência, Escola Secundária de Carolina Michaëlis, Porto, Portugal, Feb 29 2012

Organization of events

Ciclo de Conversas “À Descoberta do Universo”; a Café Scientifique-like series of events on various topics of modern Astrophysics (12 events in total across Portugal) organized in partnership with Ciência Viva/ESERO; Rede Centros Ciência Viva, Portugal, Sep 2019–Oct 2020; [URL](#)

Public Engagement with Research; Training Session for Postgrads/Postdocs; School of Physics and Astronomy, University of Birmingham, Birmingham, UK, Feb 13 2017