



# Dr. Tiago Campante PhD, BSc

## Curriculum Vitae

Institute of Astrophysics and Space Sciences  
&  
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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, 9 PhD students, and 9 MSc students.

In 2018, I was awarded a prestigious Marie Curie Individual Fellowship (160 kEUR) by the European Commission. This was followed, in 2020 and 2024, 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 Co-I in 8 other funded projects, namely, an ESA - PRODEX Experiment Arrangement (404 kEUR), as well as 4 NASA (total: 220 kUSD) and 3 FCT (total: 397 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 193 publications (H-index of 51 and a total of ~8,375 citations; source: SAO/NASA Astrophysics Data System). Among these are 119 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 book chapter, 33 conference proceedings, and 26 online data catalogs. Altogether, I am first author of 33 publications and second or third author of 36 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 2.25 reviews on average per year.

Since 2015, I have presented 30 talks at international conferences and research institutes worldwide, including 2 invited review talks, 9 invited talks, 7 invited research seminars, and 12 contributed talks. 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 — STEM Projects) and a reviewer for state-of-the-art observing facilities (e.g., Hubble, OPTICON). I have been a member of the Scientific Organizing Committee of 7 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 Marie Curie Alumni Association, and the Portuguese Astronomical Society.

I supervise or have supervised 16 research projects: 2 postdoctoral researchers (1 completed, 1 ongoing), 5 PhD (2 completed, 3 ongoing) and 4 MSc projects (3 completed, 1 ongoing), 2 predoctoral internships (both completed), and 3 undergraduate projects (all completed). I am accustomed to being a member of academic degree juries (8 times a member, 3 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 currently being 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 20 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 19 TV/radio/podcast appearances, 34 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; <a href="#">URL (Thesis)</a>
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> <sup>1</sup> — <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

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> <sup>2</sup> , 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)
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)

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

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

2007 – 2011 *Individual Doctoral Grant*, Fundação para a Ciência e a Tecnologia, Portugal  
(~ EUR 30,000 p.a.)

## 7. Funded Research Projects

2024 – 2030 PI; *Shedding light on planetary system evolution and Galactic assembly with ultra-precise space-based photometry*, CEEC Individual 6th Edition - Assistant Researcher (2023.08117.CEECIND), Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 384,000)

2023 – 2024 Co-I; *Star-exoplanet compositional link: Towards realistic characterization of terrestrial planets (EXO-TERRA)*, R&D Project - PeX (2022.06962.PTDC), Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 50,000)

2021 – 2022 Co-I; *Planetary Archeology: Exploring the planet population around evolved stars with TESS*, TESS Cycle 4 Guest Investigator Program (Proposal no.: G04179), NASA, USA (USD 70,000)

2020 – 2024 PI; *A synergetic approach to the study of the Milky Way, its stars and planets using ultra-precise, space-based photometry*, CEEC Individual 2nd Edition - Assistant Researcher (CEEICIND/00476/2018), Fundação para a Ciência e a Tecnologia, Portugal (~ EUR 353,000)

2020 – 2021 Co-I; *Planetary Archeology: Exploring the planet population around evolved stars with TESS*, TESS Cycle 3 Guest Investigator Program (Proposal no.: G03151), NASA, USA (USD 50,000)

2019 – 2020 Co-I; *Planetary Archeology: Exploring the planet population around evolved stars with TESS*, TESS Cycle 2 Guest Investigator Program (Proposal no.: G022102), NASA, USA (USD 50,000)

2018 – 2025 Co-I; *PLATO*, PRODEX Experiment Arrangement (PEA no.: 4000133026), ESA - PRODEX (EUR 404,000)

2018 – 2022 Co-I; *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, Portugal (EUR 237,000)

2018 – 2020 Co-I; *TESS observations of known exoplanet host stars*, TESS Cycle 1 Guest Investigator Program (Proposal no.: G011183), NASA, USA (USD 50,000)

2010 – 2013 Co-I; *A space-based probe of stellar interiors*, R&D Project (PTDC/CTE-AST/098754/2008), Fundação para a Ciência e a Tecnologia, Portugal (EUR 110,000)

## 8. Institutional Funding (as Co-I)

2020 – 2024 *Instituto de Astrofísica e Ciências do Espaço*, R&D Unit Funding (UIDB/04434/2020), Fundação para a Ciência e a Tecnologia, Portugal (EUR 1,393,055)

2020 – 2024 *Instituto de Astrofísica e Ciências do Espaço*, R&D Unit Funding (UIDP/04434/2020), Fundação para a Ciência e a Tecnologia, Portugal (EUR 585,000)

2019 *Instituto de Astrofísica e Ciências do Espaço*, R&D Unit Funding (UID/FIS/04434/2019), Fundação para a Ciência e a Tecnologia, Portugal (EUR 785,000)

2015 – 2018 *Instituto de Astrofísica e Ciências do Espaço*, R&D Unit Funding (UID/FIS/04434/2013), Fundação para a Ciência e a Tecnologia, Portugal (EUR 3,140,800)

## 9. Publications

As of March 2024, I have authored 193 publications<sup>3</sup> indexed in the SAO/NASA Astrophysics Data System (H-index of 51 and a total of ~8,375 citations). These include 119 articles in peer-reviewed journals (including 2 in *Science*, 2 in *Nature*, 1 in *Nature Astronomy*, and 1 in *Nature Communications*), 2 edited books (~13k downloads combined), 1 book chapter, 1 editorial, 1 book review, 1 preface, 1 report, 1 encyclopedia entry, 33 conference proceedings (18 refereed and 15 non-refereed), 1 monograph (PhD thesis), 26 online data catalogs, 3 white papers, 2 corrigenda, and 1 journal cover picture. Altogether, I am first author of 33 publications and second or third author of 36 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)

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

**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  $\epsilon$  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  $\iota$  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

## 10. Oral Scientific Communications

Since 2015, I have presented 30 talks at international conferences and research institutes worldwide, including 2 invited review talks, 9 invited talks, 7 invited research seminars, and 12 contributed talks. Examples include an invited review talk at the International Astronomical Union General Assembly in 2018 in Vienna, as well as invited talks at the TASC/KASC annual conference and at the Royal Astronomical Society.

#### Invited Review Talks

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

#### Invited Talks

- 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
- 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
- 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 WP120 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

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

*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

## 11. 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)

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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  $\beta$  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

## 12. 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 currently being 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 | 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           |
| 2019 – present | Time-Domain Astronomy; Category: <u>Lecturer</u> ; Doctoral Program in Astronomy, 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 |

### 13. Supervision

I supervise or have supervised 16 research projects: 2 postdoctoral researchers (1 completed, 1 ongoing), 5 PhD (2 completed, 3 ongoing) and 4 MSc projects (3 completed, 1 ongoing), 2 predoctoral internships (both completed), and 3 undergraduate projects (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

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 – present); Role: Supervisor; Thesis title: *Galactic archaeology with red giants in the Milky Way disc*; Faculdade de Ciências da Universidade do Porto, Portugal

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 Nsamba; **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 \(Thesis\)](#)

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 – present); Role: Supervisor; Thesis title: *Pushing the boundaries of cool-dwarf asteroseismology with ESPRESSO*; Faculdade de Ciências da Universidade do Porto, Portugal

Andreas Neitzel; **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 \(Thesis\)](#)

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

### 14. Membership of Academic Degree Juries

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*



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*

## 15. Scientific Editor

Associate Editor<sup>4</sup> 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

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)

## 16. Scientific Reviewer

Referee<sup>5</sup> for the following international peer-reviewed journals (2.25 reviews 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)

## 17. 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 — STEM Projects) and a reviewer for state-of-the-art observing facilities (e.g., Hubble, OPTICON).

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

Rapporteur for the Physics Department of the Faculdade de Ciências e Tecnologia da Universidade de Coimbra (FCTUC) on the performance of its researchers (2023)

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)

<sup>4</sup> A complete listing of editorial contributions (edited research topics and edited publications) can be found [here](#).

<sup>5</sup> Detailed referee statistics can be found [here](#).

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)

## 18. 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 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

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

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

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

## 19. 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 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)

## 20. Membership of Associations/Societies

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

## 21. Outreach and Press

I am an avid science communicator, giving frequent public talks to various target groups (gave 20 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 19 TV/radio/podcast appearances, 34 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 (selected)

*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*; **iastro.pt (Portugal)**, Oct 25 2022; [URL](#)

*Investigador do IA recebe prémio da Fundação Eng. António de Almeida*; **iastro.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”*; **iastro.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 Observatório 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*; **iastro.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 podcasts (selected)

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

*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