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Professional Experience

- 2014 Dec. **Astronome Adjointe** Observatoire de la Côte d’Azur, Nice, France
 2013 - 2014 **Postdoctoral Fellow**, Institut d’Astrophysique Spatiale, Orsay, France
Oct 2012 - February 2013 (5 months) maternity leave
 2011 - 2013 **Poincaré Fellow**, Observatoire de la Côte d’Azur, Nice, France
November 2010 - August 2011 (10 months) parental leave
 2008 - 2010 **Postdoctoral Fellow** Instituto de Astrofísica de Canarias, Tenerife, Spain
October 2009 - March 2010 (5 months) maternity leave
 2004 - 2008 **Graduate Research** contract at the High Altitude Observatory/National Center for Atmospheric Research, Boulder, Colorado, USA
 2002 - 2003 **Helioseismic instruments operator**, Observatorio del Teide, Tenerife, Spain (6 days/month)
 1999 - 2001 **English foreign language teacher**, Dortmund and Kamen, Germany (30 hours/week)
 1998 - 1999 **Mathematics and German teacher**, Coláiste Chiaráin, Leixlip, Ireland (20 hours/week)

Education

- 2020 **Habilitation à diriger les Recherches** 12 Oct 2020, Université Côte d’Azur, Nice, France
 2008 **PhD in Astronomy and Astrophysics** with *Doctor Europaeus*, Universidad de La Laguna (ULL), Tenerife, Spain.
 2004 **Diploma de Estudios Avanzados Astrofísica** (D.E.A., two-year Masters programme), Universidad de La Laguna, Tenerife, Spain.
 2002 **M.Sc. Mathematics**, National University of Ireland, Maynooth, Ireland in collaboration with the Universidad de La Laguna, Spain.
 1999 **Higher Diploma in Education** (Diplôme supérieur pour l’enseignement secondaire), National University of Ireland, Maynooth, Ireland. Teaching Subjects: Mathematics and German.
 1998 **B.A. Mathematics and German** (Licence), National University of Ireland, Maynooth, Ireland.

Research Themes

Stellar physics – stellar interiors – stellar evolution – ages of stars – stellar parameters – FGK main sequence stars – benchmark studies – characterisation of exoplanets – population II stars – interferometry – asteroseismology – stellar populations – large surveys (Gaia, PLATO, Kepler, TESS)

Summary of Publications

- Total of **24,472** citations (646 self-citations) in 180 written contributions, h-index = 55
- 107 refereed publications (16 first authored, 10 second/third)
- 47 Technical documents and reports (Gaia / PLATO)

Scientific Responsibilities

- 2018 – Member of the Gaia-ESA DPAC Executive Board
- 2018 – Leader of the Coordination Unit, CU-8, "Astrophysical Parameters", Gaia-DPAC
- 2019 – WorkPackage (WP) Leader of SPICA@CHARA-WP2, "asteroseismology and interferometry of main sequence stars"
- 2018 – Plato WP125500 leader "Benchmark Stars"
- 2014 – WP leader of the Final Luminosity Age Mass Estimator, CU8, Gaia-DPAC
- 2008 - 2010 Project Scientist for the Instituto de Astrofísica de Canarias Stellar Observations Network Group (SONG) team.

Administrative Responsibilities

- 2021 - Member of the Executive Board of the Erasmus+ H2020 European Masters MASS (2022-2028)
- 2021 – Member of the Conseil du Laboratoire Lagrange
- 2020 – Member of the French Stellar Physics National Program Committee (PNPS)
- 2019 – Member of Time Allocation Committee (TAC) for SONG telescope
- 2018 – Member of the Gaia DPAC Executive board
- 2018 – Documentalist for Gaia-DPAC CU8
- 2016 - 2018 Member of the French National Science Committee (Section 17)
- 2018 - 2023 Member of the Scientific Commission of the JMMC interferometry center
- 2017 – Member of the National Observations Committee "Gaia"
- 2018 – 2021 Member of the seminar commission, OCA, France
- 2017 – Member and Head of a commission of the Corporate Social Committee, OCA, France
- 2016 – Member of the Tess Asteroseismic Science Consortium WG2 Steering Committee

Teaching Responsibilities

Doctoral School:	Ecole Doctorale de Sciences Fondamentales et appliquées
PhD Thesis Jury:	3
PhD Thesis Reporter:	1
Doctoral students:	1
Course Responsibilities:	M1/M2 Exoplanet characterisation
Invited Lecturer:	Sagan Workshop 2022 Pasadena
	Exo-atmospheres Les Houches 2022
	Gaia & Stellar Physics Evry Schatzman 2023
Other responsibilities:	Member of executive board of European MASS masters and member of four-person coordinating local team.