

## RESEARCH INTERESTS

- Detection and characterisation of extra-solar planets and brown dwarfs
- Formation, physical properties, and atmospheres of planetary-mass objects
- Statistics and demographics of stellar and substellar binary populations
- High-resolution imaging and astrometry with ground- and space-based observations

## EDUCATION

- Jun 2019 **PhD in Astronomy.** Institute for Astronomy, University of Edinburgh, UK  
PhD Thesis supervised by Prof. B. Biller  
*Brown Dwarfs and Giant Exoplanets: Bridging Observations and Theory with Statistical Methods*
- Jul 2015 **MSci in Physics** (4-yr undergraduate degree). Department of Physics, Imperial College London, UK  
Masters Thesis supervised by Dr. I. Mueller-Wodarg  
*Refining General Circulation Models of Titan's Upper Atmosphere with Cassini Data*

## RESEARCH EXPERIENCE

- 2022–2025 **iREx Trottier Fellow.** Institute for Research on Exoplanets, Université de Montréal, Canada
- 2019–2022 **CSH Fellow.** Center for Space and Habitability, University of Bern, Switzerland
- 2015–2019 **PhD Student.** Institute for Astronomy, University of Edinburgh, UK
- 2014–2015 **Masters Student.** Department of Physics, Imperial College London, UK
- Summer 2013 **Research Intern.** Institut d'Astronomie et d'Astrophysique, Université Libre de Bruxelles, Belgium

## TEACHING EXPERIENCE

- 2015–2019 **Teaching Assistant.** Department of Physics and Astronomy, University of Edinburgh, UK  
Leading tutorials, workshops and lab sessions for undergraduate physics and astronomy course
- Tutor: Discovering Astronomy, Introductory Astrophysics, Physics 1A/1B
  - Demonstrator: Scientific Programming, Computer Simulations, Observational Astronomy

## AWARDED TELESCOPE TIME

- HST** **3 Programs as PI:** 61 orbits — GO 14686 (WFC3), GO 15201 (WFC3), GO 16229 (WFC3)  
**PI programs worth over \$400 000 USD funds** from Space Telescope Science Institute  
**1 Program as co-I:** 132 orbits (WFC3)
- JWST** **2 Programs as co-I:** 48.2 hours (NIRSpec, NIRCam)
- Gemini** **1 Program as PI:** 4 hours — GN-2017B-Q-40 (NIRI)  
**1 Program as co-I:** 4.4 hours (GNIRS)
- VLT** **1 Program as PI:** 4.5 hours — 099.C-0728 (NACO)  
**6 Programs as co-I:** 146 hours (SPHERE, GRAVITY, SOFI)  
**5 nights of visitor mode SPHERE observations** for the SPHERE Consortium

## GRANTS AND AWARDS

- Sep 2022 **Trottier Fellowship.** Prize research fellowship, iREx, Université de Montréal
- Jan 2020 **Winton Astronomy Thesis Prize 2019.** Award from Winton Capital Management
- Sep 2019 **CSH Fellowship.** Prize research fellowship, CSH, University of Bern
- Apr 2019 **Principal's Go Abroad Fund.** £350 conference travel grant from University of Edinburgh
- May 2018 **SUPA Short-Term Visit Scheme.** £2500 funding for a 5-week visit to NASA Goddard
- Oct 2017 **Physics and Astronomy Poster Competition.** First prize winner, University of Edinburgh
- Jul 2017 **Other Worlds Laboratory Travel Grant.** \$2500 USD for 1-month visit to UCSC

## PROFESSIONAL SERVICE

- 2021 **CSH Fellowships Search Committee.** Center for Space and Habitability, Switzerland
- 2021 **External Reviewer for HST Time Allocation Committee.** Space Telescope Science Institute
- 2020–present **Software Developer of the SIMPLE Database** for brown dwarfs and directly-imaged planets
- 2020–present **Review Editor for Frontiers in Astronomy and Space Sciences.** Exoplanet Section
- 2020–present **Member of NCCR PlanetS.** Swiss National Centre of Competence in Research
- 2019–present **CSH Management Committee Member.** Center for Space and Habitability, Switzerland
- 2019–present **Referee for the AAS Journals:** The Astronomical Journal, The Astrophysical Journal Letters
- 2018–present **Member of the SPHERE Consortium.** Science Team for the large SHINE observing program

## OUTREACH AND DEI ACTIVITIES

- Sep 2021 **Women in NCCR Video Campaign** promoting female researchers. NCCR PlanetS, Switzerland
- Jun 2021 **First Author of Petition** for Codes of Conduct in Astronomy Collaborations [[Link](#)]
- Apr 2021 **Radio Interview.** Radio Télévision Suisse (CQFD), Switzerland [[Link](#)]
- 2021–present **Member of IDEEA – Inclusion, Diversity, and Equity in European Astronomy**
- Feb 2021 **Public Lecture for the IAU Women in Astronomy Day.** HEPAC, Marrakech, Morocco
- Feb 2021 **Radio Interview.** France Culture (La Méthode Scientifique), France [[Link](#)]
- Jan 2021 **Radio Interview.** Radio Télévision Suisse (CQFD), Switzerland [[Link](#)]
- 2020–2022 **Consultant on Media Articles.** Inside Science, Futura Sciences, Espiloon, Pour la Science
- Dec 2020 **Writer of Press Release Article.** University of Bern & NCCR PlanetS, Switzerland [[Link](#)]
- 2017–2020 **Event Speaker and Organiser for Astronomy on Tap.** Edinburgh, UK & Bern, Switzerland
- 2017–2018 **Public Lectures for Astronomy Winter Talks.** Royal Observatory Visitor Centre, Edinburgh, UK
- 2015–2018 **Volunteer and Speaker at the Annual ROE Open Days.** Royal Observatory of Edinburgh, UK

## SUMMARY OF PUBLICATION RECORD

- **Published Refereed Journal Papers:** 6 first-author, 4 second-author, 17 others (+2 submitted)
- **504 Citations in total,** 95 to first-author publications, *h*-index: 12
- **45 Abstracts** on SAO / NASA Astrophysical Data System (ADS)

## ORAL PRESENTATIONS

- May 2022 **Invited Seminar** ESO Hypatia Colloquium 2022, European Southern Observatory (online)
- Apr 2022 **Contributed Talk** NCCR PlanetS Junior Researchers' Assembly (JURA) III, Switzerland
- Feb 2022 **Invited Seminar** Exoplanet Seminar Series, Geneva Observatory, Switzerland (online)
- Nov 2021 **Invited Talk** ESA Jamboree, European Space Agency (online)
- Nov 2021 **Invited Seminar** Astronomy Seminar Series, University of Hawaii, USA (online)
- Oct 2021 **Invited Talk** Star-Planet Connection Workshop, European Southern Observatory, Chile (online)
- Mar 2021 **Invited Seminar** ESPP Seminar Series, Space Telescope Science Institute, USA (online)
- Mar 2021 **Invited Seminar** Exoplanets & Habitability Seminars, ETH Zurich, Switzerland (online)
- Feb 2021 **Invited Seminar** Astronomy Colloquium, University of Michigan, USA (online)
- Jan 2021 **Contributed Talk** Exoplanets Orbits & Dynamics Workshop, University of Liège, Belgium (online)
- Dec 2020 **Invited Seminar** CENTRA Seminar Series, University of Lisbon, Portugal (online)
- Nov 2020 **Invited Seminar** Leicester Astrophysics Seminars, University of Leicester, UK (online)
- Aug 2020 **Invited Seminar** Exeter Astrophysics Seminars, University of Exeter, UK (online)
- Oct 2019 **Invited Seminar** CSH Seminar, Center for Space and Habitability, Bern, Switzerland
- Aug 2019 **Contributed Talk** Extreme Solar Systems IV Conference, Reykjavik, Iceland
- Jan 2019 **Invited Talk** CSH Symposium, University of Bern, Switzerland
- Oct 2018 **Invited Seminar** ROE Colloquium, Royal Observatory of Edinburgh, UK
- Oct 2018 **Contributed Talk** SPHERE General Science meeting, Amsterdam, The Netherlands
- May 2018 **Invited Seminar** Extrasolar Planets Seminar, NASA Goddard Space Flight Center, USA
- May 2018 **Contributed Talk** Chesapeake Bay Area Exoplanet Meeting, Carnegie DTM, USA
- Feb 2018 **Invited Seminar** Astronomy Seminars, Stockholm University, Sweden
- Nov 2017 **Contributed Talk** 12th GAPS Progress Meeting, Università degli Studi di Milano, Italy
- Nov 2017 **Invited Seminar** INAF Seminar, Osservatorio di Padova, Italy