

Publications and Reviewing

First author publications:

- [Frequency analysis of the high-amplitude SX Phe star KIC 11754974](#): Murphy et al. (2013), MNRAS (submitted)
- [Super-Nyquist asteroseismology with the Kepler Space Telescope](#), Murphy et al. (2012b), (MNRAS), arXiv:1212.5603
- [Kepler Fourier concepts: The performance of the Kepler data pipeline](#), Murphy (2012b), (AN), arXiv:1211.5141
- [Pulsational amplitude growth of KIC 3420637 \(HD 178875\) in the context of Am and rho Puppis stars](#), Murphy et al. (2012a), MNRAS 427, 1418
- [Characteristics of Kepler short- and long-cadence data](#), Murphy (2012a), MNRAS 422, 665

As co-author

- [The Kepler characterization of the variability among A- and F-type stars. I. General overview](#): Uytterhoeven et al. 2011, A&A, 534, 125
- [Unusual high-frequency oscillations in the Kepler delta Scuti star KIC 4840675](#): Balona et al. 2012, MNRAS, 424, 1187

Conferences and contributions

Since beginning of PhD

- Invited Seminar at University of Porto, ["Pulsating A-type stars seen with Kepler"](#), November 2012. Part of an externally-funded 3-month research visit.
- 10th NEON Observing School, group oral presentation on [symbiotic stars](#), Sept 2012.
- UCLan graduate research conference 2012, cont. talk in "experienced presenter" category: ["Highlights of research with the Kepler space telescope"](#) (runner up prize), July 2012
- KASC 5, cont. talk ["KIC 3429637 and the problem of pulsating Am stars"](#), June 2012
- The Modern Era of Helio- and Asteroseismology, cont. talk ["Kepler Fourier Concepts"](#) (extended) + conference proceedings (see Publications), May 2012
- National Astronomy Meeting, poster ["Are the constant stars in the delta Scuti instability strip chemically peculiar?"](#) (An update), March 2012
- Exoplanets and their host stars, cont. talk: ["Kepler Fourier concepts"](#); solo oral presentation of group work: ["Stellar population synthesis"](#), March 2012
- First Kepler Science Conference, poster ["Are the constant stars in the delta Scuti instability strip chemically peculiar?"](#), Dec 2011
- KASC 4, cont. talk ["A highly non-linear delta Scuti star"](#), July 2011
- UCLan graduate research conference 2011, poster + 5-min oral contribution ["A highly non-linear delta Scuti star"](#) (first place prize), May 2011
- IAC winter school in asteroseismology, (no cont.), Nov 2010

Future talks

- Feb 2013, University of Birmingham (confirmed)
- Apr 2013, University of Wroclaw (confirmed)
- Apr 2013, Polish Academy of Sciences (confirmed)
- June 2013, KASC 6 conference, Sydney (anticipated)
- July 2013, Australia National University (anticipated)