

## Dr Ingrid Pelisoli - Fowler Award (A)

Dr Ingrid Pelisoli is a world-leading expert on binary interactions involving white dwarf stars, and has made significant contributions to the understanding of Type Ia supernovae progenitors, white dwarf pulsars, and stellar magnetism.

Using time-resolved photometry and spectroscopy, she has made key discoveries, including demonstrating that hot subdwarfs with white dwarf companions contribute significantly to the Type Ia supernovae rate and confirming the existence of a class of white dwarf pulsars.

Dr Pelisoli is also a committed mentor and supporter of younger researchers who has consistently guided students and postdoctoral scientists to first-author publications of important results.

These include the recent high-profile discovery of a nearby super-Chandrasekhar mass Type Ia supernova progenitor, which demonstrated that observational limitations at least partially explain the supernova Ia progenitor problem (Munday et al. 2025).

In addition to mentoring younger scientists, Dr Pelisoli is dedicated to sharing science with the wider community through public outreach activities, and has leadership roles in 4MOST and the TESS Asteroseismic Science Consortium (TASC).