

Citation for the 2018 RAS 'A' Winton Award: Dr Rebecca Bowler

The 2018 Winton Award for Astronomy is awarded to Dr Rebecca Bowler.

Dr Rebecca Bowler completed her PhD in 2014 and has already made leading contributions to the understanding of luminous star forming galaxies at ultra-high redshifts. During her PhD she led the first scientific publications from the ESO UltraVISTA collaboration. Dr Bowler's work has been revolutionary, contrary to previous predictions, demonstrating that highly luminous objects do exist into the epoch of re-ionization, and that quenching processes are not efficient at this time.

She has been awarded time on the Hubble Space Telescope, ALMA and VLT, all as Principal Investigator; a testament to her standing in the community very early in her career. Dr Bowler holds a prestigious Hintze Fellowship at Oxford and a Nicholas Kurti Junior Research Fellowship at Brasenose College (only one is awarded annually across all science disciplines). In 2016 she was awarded the Block Prize for 'promising young physicist'. Her first papers have been highly cited and her work is critical for predicting the yield of the next generation, wide-area, surveys such as Euclid and LSST.

For these reasons, Dr Bowler is awarded the Winton Award for Astronomy.