Quantum v macro

Young’s interference
In the early 1800s, Thomas Young conducted an experiment which proved that light behaves as a wave.

When he passed light of a single frequency through a pair of closely spaced narrow slits an interference pattern was produced.
Young’s interference
Young's experiment demonstrates that matter and energy can display the characteristics of both waves and particles, known as wave-particle duality.

It questions the role of the observer in the outcome of events and demonstrates the fundamental limitation of an observer to predict experimental results.

Observations of Young's experiment cannot be explained in any classical way. It exemplifies the mysterious nature of quantum mechanics.