# Professor Suzanne Aigrain – George Darwin Lectureship

Professor Suzanne Aigrain is a leading authority on exoplanet detection and characterisation. The weak signals from exoplanets can be very difficult to separate from intrinsic variations in the output of their host stars, caused by e.g. starspots on the star's surface. Professor Aigrain uses advanced statistical and computational methods, especially Gaussian Process regression, to enhance our ability to identify and study exoplanets from both transit and radial velocity data.

Professor Aigrain is widely respected in the exoplanet community and has been a crucial participant in space-based transit-search missions, including CoRoT, Kepler, K2, and TESS, providing both scientific input and strategic guidance. She now plays a key role in ESA's forthcoming PLATO mission, as lead for several working groups and work packages and a member of the core science team, as well as in state-of-the-art radial velocity surveys.

Applying her innovative and determined approach to the next generation of exoplanet detection instruments and missions will undoubtedly lead to many further discoveries in the years to come.

Professor Aigrain is also a talented and enthusiastic science communicator with a commitment to scientific outreach and is known for the clarity of her scientific writing.

With frequent media appearances and high-profile talks including a recent (2024) TEDx presentation, she uses her engaging and enthusiastic style to make a complex subject accessible and interesting to a wide audience.