

**Post-Doctoral Research Fellow - Computational Plasma-liquid modelling,  
James Cook University – Australia.**

A post-doctoral research fellow position is available in the modelling of plasma interactions with liquids within the research group of Prof. Ron White at James Cook University, Townsville, Australia. The position involves the development and application of models for low temperature plasmas and their interaction with liquids, including electron and charged particle induced processes and transport at the plasma/gas-liquid interface. This is a project that is funded by the Australian Research Council under their Discovery Project scheme.

The post-doctoral research fellow should have the following skill-sets:

- Expertise in modelling of electron/ion transport in gases and/or liquids (e.g. Boltzmann equation or Monte Carlo simulations) under non-equilibrium conditions
- Expertise in the fundamental processes of low temperature plasmas
- High performance computing skills
- High level oral and written communication skills

The initial position is for 2-3 years with extension subject to performance and availability of funds. The position is available immediately in Townsville QLD Australia.

Applicants should send a cover letter addressing above criteria (including date applicant is available) and CV, as well as 3 references to Prof. Ron White ([ronald.white@jcu.edu.au](mailto:ronald.white@jcu.edu.au)). Any enquires can also be made to this email address.