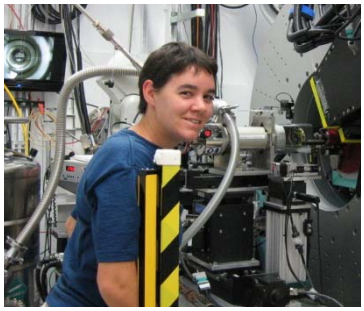

Dr Bridget Ingham is a Senior Research Scientist at Callaghan Innovation (formerly Industrial Research Ltd.). Following her PhD (Physics, VUW, 2005) she spent two years as a post-doc at Imperial College London and the Stanford Synchrotron Radiation Lightsource, where she developed her current expertise in the use of synchrotron techniques for investigating nanomaterials, particularly X-ray diffraction, small-angle X-ray scattering, and X-ray absorption spectroscopy. She has used these techniques to study a wide variety of systems, including *in situ* observation of nanoparticle synthesis, oxidation, and coalescence; *in situ* observation of nanopore size and strain development during dealloying of bimetallic foils; *in situ* electrochemical deposition of ZnO, and CO_2 corrosion of steel; atomic structure of superconductors; atomic structure of dopant atoms in ZnO; transient crystalline phases that occur during the synthesis of conducting polymers; particle size distributions in sunscreen, paint, and milk. She has served as chair of the Proposal Advisory Committee for the small-angle X-ray scattering beamline at the Australian Synchrotron.