• ANSTO operates much of our country’s landmark science facilities on behalf of the Federal Government including one of the world’s most modern nuclear research reactors, OPAL, a comprehensive suite of neutron beam instruments, the Australian Synchrotron, the National Imaging Facility Research Cyclotron and the soon to be opened Centre for Accelerator Science used for research into the area of health, environment and innovation for industry.

• In January 2013, ANSTO became the new operator of the Australian Synchrotron located in Clayton, Victoria, presenting new opportunities for collaboration in our complementary areas of science. The Synchrotron is helping scientists tackle some of the most important problems facing society today. Including finding new ways to treat diseases, make crops more productive and make metals more resilient.

• ANSTO is also a partner in the Australian Collaboration for Accelerator Science (ACAS) with the Australian Synchrotron, the University of Melbourne, and the Australian National University (ANU). ACAS aims to harness the expertise of the researchers in the collaboration to advance Australia’s National Research Priorities through state-of-the-art accelerator-based science at government and university research facilities. Accelerator science underpins the development of new materials and processes in environmental science and medicine amongst many other fields.

Improving our health

• ANSTO partners with the Ludwig Institute for Cancer Research and Austin Health at Austin Hospital in Melbourne to develop new cancer treatments.

• In 2011 ANSTO and Monash University signed a new formal agreement that is helping facilitate knowledge sharing and creating new training and development opportunities for researchers from both organisations. In particular, their common research areas of biomedical imaging, cancer therapy, accelerator science and neutron science are benefiting from the agreement.

• ANSTO scientists have collaborated with a team from the University of Melbourne to study the anti-bacterial properties of the skin of frogs, with a view to create drugs resistant to so called ‘superbugs’. Other projects include research into carbon capture and clean green hydrogen batteries.

Environmental scientist, Mike Hotchkis, in front of ANSTO’s ANTARES particle accelerator.

For more information about the important work undertaken by ANSTO for the benefit of all Australians or to take a tour of our Lucas Heights (NSW), Camperdown (NSW) or Clayton (Vic) campus please call ANSTO’s Government Relations team on 02 9717 3111.

www.ansto.gov.au