on June 15.

CAMS will draw together many of the world's leading experts on antimatter-matter interactions. It will be led by Professor Steve Buckman of ANU's Research School of Physical Sciences and Engineering. The Centre's research will focus chiefly on the positron, the positively charged antiparticle of the electron.

Associate Professor Brunger said that while the research ultimately will have major implications for materials science and technology, the facility has immediate potential to improve fundamental understanding of the building blocks and processes of the universe at the nano-scale.

"CAMS will provide, for the first time, detailed measurements of fundamental positron interactions with bio-molecules, molecules as simple as water and as complex as DNA," he said.

"It will place Australia at the forefront of the study of antimatter and see significant developments in fundamental and applied science in areas, such as materials science, medicine and bioscience."

"It's the only positron facility in the country, and one of only a few in the world."

CAMS researchers will also work with international partners in the USA, Europe and Japan.

various media releases

Antimatter does matter

Four universities and two government laboratories will be involved in a new $12 million national Research Centre devoted to the study of antimatter.

The Centre for Antimatter Studies (CAMS) will be based at the Australian National University, with research contributions from four other Australian universities - Flinders, Murdoch, Griffith and the University of Western Australia - as well as CSIRO and the Australian Nuclear Science and Technology Organisation. The Australian Research Council funding component for the Centre was announced