

Creating Global Solutions

AusBiotech2010
AUSTRALIA'S BIOTECHNOLOGY CONFERENCE

**National
Conference**

19 to 22 October 2010
Melbourne Convention and Exhibition Centre
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AUSBIOTECH 2010 NATIONAL CONFERENCE SPEAKERS' PROFILE

Associate Professor David Haylock
Research Scientist,
Materials Science and Engineering, CSIRO,

David is best known for his pioneering work on blood stem cell mobilization and transplantation and long term interests in *ex vivo* manipulation of haemopoietic stem cells (HSC). From 2000-2005, as Head of Experimental Cell Therapy at the Peter MacCallum Cancer Centre, David lead Australia's first clinical trial with *ex vivo* expanded CD34⁺ cells in the setting of repetitive high dose chemotherapy for metastatic breast cancer. While at the Australian Stem Cell Centre and more recently within the Molecular and Health Technology Division of CSIRO, David has continued to conduct fundamental research on HSC and the HSC niche. A key aspect of this work has focused on development of polymeric based tissue culture surfaces that facilitate presentation of ligands to promote proliferation and differentiation of haemopoietic stem cells. As an extension of this work, and through his ARC Future Fellowship, David is presently developing bioreactor systems for propagation of megakaryocytes and production of platelets for transfusion.

