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Innovative collaboration between art and science

BrightHearts is interdisciplinary research collaboration between artist Dr George Khut and Dr Angie Morrow of Kids Rehab at The Children's Hospital at Westmead. The BrightHearts team are researching the potential of bio feedback for the management of pain and anxiety experienced by children undergoing painful, recurrent clinical procedures.

BrightHearts *interactive prototypes*, an exhibition by artist George Khut, invites interaction with a collection of prototype iPhone and iPad 'apps' that translate changes in heart rate and skin temperature into colourful geometric artworks. This is the design phase of the BrightHearts project. The next stage of the project will involve a clinical trial in 2012-2013 to evaluate BrightHearts in the clinical setting.

"This is an innovative collaboration between art and medicine that we hope will improve the lives of children living with chronic illness. Children at the hospital have contributed to the design of BrightHearts so it's very much about creating something that will make their experience in hospital less frightening" said Dr Morrow.

The exhibition is presented by the Australian Network for Art and Technology [ANAT] in association with the Australian Government through the Australia Council for the Arts, its arts funding and advisory body, and supported by the James N. Kirby Foundation, The Children's Hospital at Westmead - Kids Rehab Dept., and University of Technology Sydney: Interaction Design & Human Practices (IDHuP) Lab, and Interactivation Studio.