

creating sound value®



Built on more than 20 years of research and commercial experience in the international hearing health industry, HEARworks® offers unique device and digital signal processing (DSP) innovation, clinical trial management, access to advanced testing and imaging infrastructure and contract research capacity.

## TECHNOLOGY

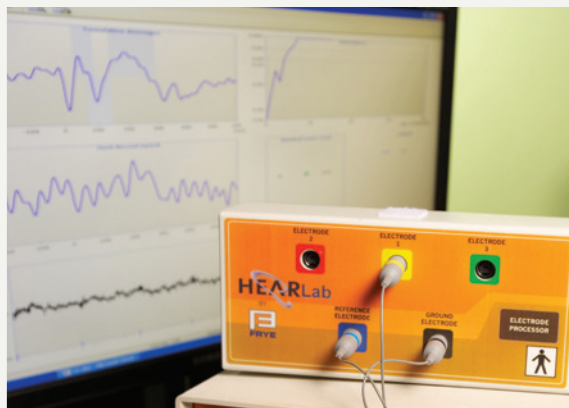
Established to commercialise research innovations from the HEARing Cooperative Research Centre (HEARing CRC), HEARworks has successfully commercialised 11 products in the areas of hearing protection, rehabilitation, DSP technology and diagnostic assessment. These products are being successfully utilised by businesses and clinicians globally.

HEARworks has multiple, patent-protected technologies available for licencing, for example:

- **Super-directional Beamformer:** a family of directional microphone algorithms that enable users to engage in one-to-one communication, even in high levels of background noise
- **Two acoustic shock protection products:** HEARworks Shriek Rejection® and the Speech Referenced Limiting (SRL) method
- **NAL-NL2:** an award winning hearing aid fitting algorithm that ensures hearing aid wearers receive the maximum benefit from their device
- **HEARLab®:** a clinical device for objective, non-verbal audiological assessment. Aided Cortical Assessment and Cortical Threshold Estimation are initial software modules/capabilities available for use.



For more information on these products and on our other available products, please visit our website [www.hearworks.com.au](http://www.hearworks.com.au)



# CLINICAL TRIALS NETWORK

HEARworks, through its connection with the HEARing CRC, has over two decades of experience and expertise in delivering and conducting multi-centre clinical trials related to the ear and hearing. We can provide access to an extensive clinical collaboration network for trial delivery with more than ten clinical partners across Australia.

We provide:

- strategic advice for the development and implementation of clinical trials;
- clinical trial management compliant with Good Clinical Practice (GCP) standards;
- preparation of both human and animal ethics submissions;
- patient recruitment (all ages) for clinical trials; and
- access to numerous clinical sites nation-wide.



To arrange a meeting to discuss your clinical trial please contact us at [hearworks@hearingcrc.org](mailto:hearworks@hearingcrc.org)

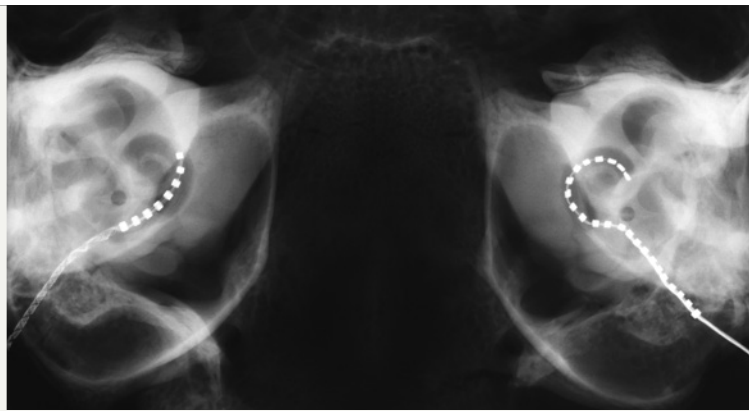


The HEARing CRC has extensive experience in both sponsoring and conducting clinical trials... as a result, the process from planning, submission, approval, conduct and close-out is highly streamlined, resulting in efficient and high quality conduct of studies that range from first-time-in-human evaluation to post-market trials.



Kerrie Plant  
Manager, Clinical Research  
Cochlear Ltd.





# CONTRACT RESEARCH

A diverse range of technical and research services are available through HEARworks.

We have access to state-of-the-art research infrastructure, including:

- sound-treated rooms and a large anechoic chamber;
- 2D and 3D acoustic spaces to reproduce and evaluate performance in real world environments;
- magnetoencephalography (MEG) imagers for standard use and the world's only MEG imager for use with cochlear implantees;
- engineering expertise for development of speech and sound processing algorithms;
- pre-clinical in vivo and in vitro hearing impairment models;
- microfocus radiographic imaging capabilities for real-time imaging; and
- health literacy assessment.



HEARworks offers an opportunity for truly independent research, providing clients with a detailed technical report of findings and an opportunity to discuss outcomes with our internationally recognised scientists.

To arrange a meeting to discuss your research please visit our website [www.hearworks.com.au](http://www.hearworks.com.au) or contact us via email at [hearworks@hearingcrc.org](mailto:hearworks@hearingcrc.org)

For more information on products and services and to find out how HEARworks can create *sound value* for you:



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Australian Government  
Department of Industry and Science

**Business**  
Cooperative Research  
Centres Programme

