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A PhD in thirty seconds

What can you achieve in 30 seconds? UOW student Binbin Zhang managed to successfully convey the significance of her 3 years of PhD study in this [30 second video](#), and for her efforts she has been named as a finalist in a national showcase competition.

Students and early career researchers were invited to explain their research in a simple, 30 second video for the [Cooperative Research Centre's Early Career Researcher Showcase](#) competition that 'celebrates good research, communicated well'.

As a shortlisted entrant in the Showcase, Binbin wins \$1,000 and a trip to the ['Innovating with Asia' conference](#) in Perth during May where she will present her research again, this time with 5 minutes to get her message across.

"It's a privilege that I could represent ACES and the HEARing CRC to present my work," said Binbin.

"A lot of exciting research happens in our labs every day, I hope the public and the industry will feel the same enthusiasm and excitement that we do."

Part of the ARC Centre of Excellence for Electromaterials Science Bionics program and the [HEARing CRC](#), Binbin's PhD, for which she recently submitted her thesis, focussed on developing a drug delivery system especially for the Cochlear implant, assisting to minimise the inflammation that commonly results from implanting any device.

The winner of the final Showcase round in Perth will be decided by an audience vote and will receive a further \$5,000 prize.

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Binbin's 30 second video: <https://www.youtube.com/watch?v=kcAVM8-ubr4>

Binbin's winning script: The Cochlear implant has helped nearly one million people regain their hearing, but with any implanted device, there is an inflammatory response which can be detrimental. So what's the solution? I came up with the idea of integrating a drug delivery system into the actual device. I turned to 3D Printing technology and I optimised the materials so they can be printed. Eventually I was able to fabricate the 3D scaffolds as desired, so hopefully patients will have a better experience in the future.

Contact: Natalie Foxon Phillips

Communications & Media Officer, ARC Centre of Excellence for Electromaterials Science
02 4221 3239 || **0414 550 278** || nfoxon@uow.edu.au || www.electromaterials.edu.au
University of Wollongong | Monash University | University of Tasmania
Deakin University | St Vincent's Hospital Melbourne