Dr Michael Walsh is a Research Associate Professor based in the Australian Herbicide Resistance Initiative (AHRI) in the School of Plant Biology, UWA. A major research achievement, in collaboration with Western Australian grain grower and inventor Ray Harrington, Professor Stephen Powles (AHRI), and many others, demonstrates practical applications in mechanical harvest weed seed control. The research presented in a paper published in 2012, *Harrington Seed Destructor: A New Nonchemical Weed Control Tool for Global Grain Crops*, has resulted in one of the most anticipated technologies in Australian agriculture, the Harrington Seed Destructor, progressing to commercial production.

Hailing from a Victorian farming background, Dr Michael Walsh completed his undergraduate degree at The University of Western Australia (UWA). He then spent 10 years working with the Victorian Department of Agriculture, during this time completing a Masters thesis with La Trobe University. In 1998, Dr Walsh completed a PhD at the University of Wyoming, investigating the potential for annual medic ley-farming systems in south-eastern Wyoming. The next year, Dr Walsh joined AHRI where he has focused on the development of systems targeting weed seed production at crop maturity, and the characterisation of herbicide resistant wild radish populations.

Dr Walsh has authored or co-authored 25 refereed journal publications along with and numerous conference papers and industry articles. Dr Walsh’s research over the past decade has focussed on intercepting the significant proportion of the seed produced by weed populations is collected by harvesters, and then redistributed back across the field. Targeting this seed and making it non-viable at this point, prevents seed bank inputs substantially reducing the following years weed population.