

Position Title: *Research Scientist-Engineer - Simulation Modelling*
Division: *Food Science Australia*
Location: *Kensington, WA*
Salary Range: *\$79K - \$85K plus Superannuation*
Reference Number: *2009/338*

Role Summary

As an experienced and enthusiastic Research Scientist/Engineer, you will be responsible for leading the development of new products and new scientific understanding, resulting in the commercialization of value added foods, grains, dairy and horticultural commodities.

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This newly created position will operate within a recently established collaboration between CSIRO's food Futures Flagship, Department of Agriculture & Food (WA), and Curtin University, in the value added Centre for Grain Food Innovations. As an integral member of our cross-disciplinary project teams, the Research Scientist/Engineer will be required to plan and conduct experimental and original research to enhance the commercial potential of grain and grain-based food products. Initial research will primarily centre on wheat and lupin.

Your research will be conducted through material characterization and numerical simulation modelling of processing operations and will focus on outcomes including:

- the development of technologies which add value to existing grains;
- increasing knowledge for developing superior quality grains; and
- providing predictability for grain quality via innovative means.

To be successful in this position, you will hold a PhD in a relevant discipline with at least 3 years post-doctoral experience, and have a strong track record of research in the area of mechanics of soft solids or fracture mechanics. Your unique ability to develop creative and innovative solutions to complex research problems will provide you with a definite advantage. If you have the required skills and attitude to effectively undertake this role, we urge you to submit your application without hesitation.

For more information, or to apply, please visit www.csiro.au/careers and choose "Positions Vacant", then enter the reference number **2009/338** where indicated.

CSIRO is strongly committed to Diversity and offers [Flexible Working Arrangements](#) and enhanced leave entitlements.

Aboriginal and Torres Strait Islanders are encouraged to apply for all CSIRO positions.