



**bluebox**  
innovations for the **real** world

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# Chlamydia vaccine candidate

## Technology

Researchers at the Queensland University of Technology (QUT) and University of Newcastle have identified novel chlamydia protein sequences which may be useful for the development of a prophylactic vaccine against chlamydia.

## Market

Chlamydia is the most common cause of bacterial sexually transmitted disease among both men and women, and may cause serious pathological consequences including infertility. Worldwide, prevalence of chlamydia infection is high, particularly in women below the age of 25. Although the current gold standard treatment of antibiotics is effective, this is not a preventative treatment and the asymptomatic nature of chlamydial infections together with the long term chronic sequelae present a huge burden on health care costs in managing chlamydia infections.

Currently there is no vaccine available to prevent chlamydia infections. However, the availability of a suitable prophylactic vaccine candidate targeting females aged between 13 and 26 years could have a significant impact on the incidence of the disease and costs associated with disease management. A vaccine targeting a similar demographic (Gardasil) has netted sales of US\$1 billion in its first year of market entry.

## Business Opportunity

The candidate vaccine antigens are the subject of a patent application that has entered into national phase examination in various jurisdictions. The technology is currently at the proof of concept stage, and expressions of interest related to its further development with the view to licensing the technology are welcome.

## Contact

The technologies team at **bluebox**, the technology transfer and commercialisation company for QUT, consists of experienced professionals with industry-relevant technical backgrounds and a broad range of skills in management, legal, patent and financing areas.

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