

# Imugene Ltd

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## Imugene has cancer vaccine trial data published in prestigious medical journal

Imugene Ltd's (ASX:IMU) phase 1 clinical trial data for its B cell peptide cancer vaccine B-Vaxx has been published in the prestigious American Association for Cancer Research journal Clinical Cancer Research.

The title of the article is "Phase 1 Immunotherapy Trial with Two Chimeric HER-2 B-Cell Peptide Vaccines emulsified in Montanide ISA 720VG and nor-MDP Adjuvant in Advanced Solid Tumors."

The article is primarily authored by Imugene's Scientific Advisory Board members Professor Pravin Kaumaya from the Ohio State University and Dr Tanios Bekaii-Saab from the Mayo Clinic.

Notably, this first-in-human phase 1 study evaluated the safety profile, optimal immunologic/biologic dose and immunogenicity of the combination of two peptide B-cell epitope vaccines engineered to represent the trastuzumab and pertuzumab HER-2 binding sites.

While the billion dollar blockbusters marketed by Roche/Genentech Herceptin and Perjeta have been approved for clinical use, patients often develop resistance to these therapies.

**READ:** Imugene targets defender B-cells with cancer vaccines HER-Vaxx and B-Vaxx

Professor Pravin Kaumaya said: "We have advanced a new paradigm in immunotherapy that focuses on humoral responses based on conformational B-cell epitope vaccines.

"The study vaccine is safe, exhibits anti-tumor activity and shows preliminary indications that peptide vaccination may avoid therapeutic resistance and offers a promising alternative to monoclonal antibody therapies."

Two lead cancer vaccine candidates

The company's key assets are B-lymphocyte or B-cell peptide cancer vaccines that link an immunogenic protein with a B-cell epitope peptide and include an adjuvant to induce the body into producing antibodies against normal self-proteins.

Imugene's two lead therapeutic vaccine candidates are the HER-Vaxx vaccine and the B-Vaxx vaccine.

HER-Vaxx is an anti-HER2/neu product that has been taken through a successful phase 1b study in 14 gastric cancer patients.

**Price:** A\$0.015

**Market Cap:** A\$54.15M

### 1 Year Share Price Graph



### Share Information

**Code:** IMU

**Listing:** ASX

**52 week High Low**  
A\$0.03 A\$0.01

**Sector:** Pharma & Biotech

**Website:** www.imugene.com

### Company Synopsis:

Imugene Ltd (ASX:IMU) is listed on the Australian Securities Exchange.

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B-Vaxx is also another B-cell peptide cancer vaccine and is designed to treat tumours that over-express the HER2/neu receptor.

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