



IMUGENE

LIMITED

Imugene Company Profile

Overview

Imugene (ASX:IMU) is a clinical stage immuno-oncology company headquartered in Melbourne, Australia. Its lead product is HER-Vaxx, a B Cell peptide vaccine for the treatment of gastric cancer. The company is also developing mimotope-based immunotherapies against validated and new oncology targets.

Imugene has commenced clinical testing HER-Vaxx in HER2+ gastric cancer patients. HER-Vaxx is a cancer immunotherapy designed to treat tumours that over-express the HER-2/neu receptor, such as gastric, breast, ovarian, lung and pancreatic cancers. Developed by leading scientists at the Medical University of Vienna in Austria, the peptide vaccine is constructed from several B cell epitopes of HER-2/neu. It has been shown in pre-clinical studies and in one Phase I study to stimulate a potent polyclonal antibody response to HER-2/neu, a well-known and validated cancer target.

Imugene in partnership with the Medical University of Vienna is working to discover and develop new and novel mimotope-based immunotherapies against validated and new oncology targets. This partnership has the potential to create transformative B Cell peptide vaccines that would replace or augment conventional monoclonal antibody therapies.

Imugene is also building a pipeline of small molecule immuno-oncology drugs which modulate the bioavailability of arginine in the tumour microenvironment. Arginine is a critical amino acid for the health of cancer fighting T-cells and depletion of it limits the effectiveness of T-cells to fight tumours.

Speaker Profile

Dr Nick Ede, Chief Technology Officer



Dr Ede has a record of successfully evolving research concepts to commercial products and processes. He has over 25 years' experience in drug discovery and international business development gained at Chiron Corporation - now Novartis (VP Chemistry), EqiTX Ltd (COO), Mimotopes Pty Ltd (CEO), Adistem Ltd (CEO) and Consegna Ltd (CTO). He has established joint ventures and partnerships with some of the leading pharmaceutical and biotechnology companies in the world, including a global peptide supply alliance with the world's 4th largest biotechnology company Genzyme Inc, Invitrogen Inc (exclusive peptide partnership), drug discovery partnerships with GSK,

continued...



J&J and Novartis, and the Broad Institute (a joint venture of Harvard and MIT) and Infinity Pharmaceuticals (NASDAQ: INFI) where his combinatorial chemistry platform technology was installed and utilised for drug discovery projects. INFI chemists made over 260,000 structurally complex compounds on his platform, which helped raise >\$60M in funding spread over three chemistry deals (Amgen, J&J, Novartis). Additionally, screening these compounds initiated an oncology program, which was subsequently partnered (Novartis) and brought in an additional \$30M. He holds a PhD from Monash University and Grad. Cert. in Innovation from Melbourne Business School, and has published over 50 scientific papers and patents.