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## Advaxis Profile

ADXS.OB

Advaxis is a clinical-stage biotechnology company developing the next generation of immunotherapies for cancer and infectious diseases. Advaxis immunotherapies are based on live, attenuated bacteria that are bio-engineered to secrete antigen/adjuvant fusion protein(s) that enhances and redirects the powerful immune response all human beings have to the bacterium to the cancer itself. Advaxis technology results in a strong stimulation of both the innate and adaptive arms of the immune system and a reduction in tumor defense mechanisms such as T-regulatory cells (Tregs) and immature dendritic cells (MDSCs).

Designed To Stimulate	Effects Inside the Tumor
<ul style="list-style-type: none"> <li>• Strong innate and adaptive immune effects</li> <li>• Reduction in numbers of both Tregs and MDSCs in tumors</li> <li>• Potential memory generation</li> <li>• Synthesis of new immune cells and entry into the tumor</li> <li>• Release of chemokines from tumors and chemokines receptors</li> <li>• Epitope spreading to broaden the immune system's response to additional tumor targets</li> </ul>	<ul style="list-style-type: none"> <li>• Increases the kill ratio of killer T cells to immune suppressor cells in the tumor</li> <li>• Delivers antigen/adjuvant fusion protein (<i>Lm-LLO-E7</i>) to significantly:*               <ul style="list-style-type: none"> <li>-Increase tumor infiltrating killer T cells (+300%)</li> <li>-Decrease immune suppressor Tregs (-80%), similar effect on myeloid suppressors</li> </ul> </li> </ul> <p style="text-align: right;"><i>*in preclinical studies</i></p>

## Advaxis Constructs in the Clinic

Preliminary efficacy data in women with recurrent/refractory cervical cancer continue to show apparent prolonged survival, durable complete and partial tumor reductions, as well as stable disease with ADXS-HPV alone or in combination with cisplatin. The tolerability of ADXS-HPV compares favorably with single agent and combination chemotherapies active in this disease setting.

### Advaxis Clinical Pipeline

Construct	Indication	Pre	Phase 1	Phase 2	Phase 3
ADXS-HPV	Cervical Cancer, India	→			
ADXS-HPV	Cervical Cancer, US, GOG	→			
ADXS-HPV	Head & Neck Cancer, CRUK	→			
ADXS-HPV	Anal Cancer, BrUOG	→			
ADXS-PSA	Prostate Cancer	→			
ADXS-cHER2	Canine Osteosarcoma	→			