



ASX & Media Release

## **Patrys Granted Australian Patent for Lead Clinical Product PAT-SM6**

- **Second PAT-SM6 patent has been granted in Australia, that offers protection through to November 2027**
- **Patent covers the PAT-SM6 antibody and binding fragments and method of use for malignant disorders including multiple myeloma**

**Melbourne, Australia; 18 November, 2013:** Patrys Limited (**ASX: PAB**), a clinical stage biotechnology company is pleased to advise that it has been granted a second Australian patent for clinical anti-cancer product PAT-SM6.

The Australian Patent Office has issued the official "Notice of Grant" on a key patent in the PAT-SM6 family; application number 2007355108 entitled "Novel glycosylated peptide target in neoplastic cells". This is the second patent to be granted in Australia.

This patent is one of a series of patent applications that have been submitted to cover the PAT-SM6 product, target and mechanism of action. The claims in this patent cover the PAT-SM6 antibody and binding fragments and methods of use of the antibody and binding fragments for treatment of various cancers including multiple myeloma. In February 2012, Patrys was granted a patent by the US Patent Office that contains claims that cover the PAT-SM6 antibody which binds to apolipoprotein B containing low-density lipoprotein (LDL) and apolipoprotein B containing oxidised LDL which are part of the complex, multistep mechanism of action for the product. To date, seven patents in the PAT-SM6 family have been granted in various jurisdictions including Europe, Japan, the US and Australia.

"This new patent goes a step further in protection for our lead clinical candidate PAT-SM6 until 2027. PAT-SM6 has already been granted orphan designation in both Europe and the US, so Patrys is in an excellent position to capitalise on the future returns of this novel antibody product", said Dr. Marie Roskrow, Patrys' Chief Executive Officer.

Patrys' lead antibody drug PAT-SM6 is showing convincing evidence of potential therapeutic benefit in its ongoing Phase I/IIa clinical trial in patients with relapsed and refractory multiple myeloma and as such has the potential to improve and add to current treatments for myeloma.

Patrys has recently announced it will partner with Onyx Pharmaceuticals to initiate a follow up clinical trial with Patrys' lead anti-cancer drug PAT-SM6 in combination with carfilzomib, in patients with relapsed and refractory multiple myeloma.

Patrys has additional patents pending both internationally and in the United States.

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**About Patrys Limited:**

Based in Melbourne, Australia, Patrys (ASX: PAB) is focused on the development of natural human antibodies as therapies for cancer and other major diseases. Patrys has a deep pipeline of anti-cancer natural human antibodies that enable both internal development and partnering opportunities. More information can be found at [www.patrys.com](http://www.patrys.com)

**About PAT-SM6:**

The natural human antibody PAT-SM6 has been shown to have potent anti-cancer properties in a large number of laboratory and animal studies. More specifically, Patrys has now screened PAT-SM6 against more than 200 tumours from individual patients with various cancers, and the product binds to over 90% of the tumours screened regardless of cancer type or patient age, gender or disease stage. With respect to multiple myeloma PAT-SM6 has shown particularly strong promise. Patrys has filed patent applications to cover the PAT-SM6 antibody molecule, disease target, and the mechanism of action. Patrys' PAT-SM6 is currently showing convincing evidence of potential therapeutic benefit in its ongoing Phase I/IIa clinical trial in patients with relapsed and refractory multiple myeloma. PAT-SM6 was recently granted orphan drug status in Europe for multiple myeloma. Patrys has also successfully completed a Phase I clinical trial to evaluate PAT-SM6 as a therapy for melanoma.

**About Multiple Myeloma:**

Multiple myeloma is a type of bone marrow cancer arising from plasma cells, and new therapies are desperately needed to treat patients who become resistant to established chemotherapeutics. There is an estimated 200,000 cases worldwide and the incidence is increasing. The five-year survival of patients is approximately 30% (at 10 years ~20%). Despite new marketed therapies, multiple myeloma remains largely incurable and fatal. The multiple myeloma market is dominated by three major products: Revlimid, Velcade and Thalidomide with combined net sales greater than US\$6 Billion in 2012.