

OSE PHARMA ANNOUNCES A GRANT FROM OSEO FOR ITS TARGETED CANCER IMMUNE THERAPY IN PHASE III

Paris, France, June 4, 2013: OSE Pharma SA, dedicated to severe and orphan lung diseases announces it has been granted financial support of 340 000€ by OSEO, the French Agency for Innovation (Future Branch of BPI France), for its phase III lead product named OSE 2101. This innovative drug is dedicated to patients with advanced non- small cell lung cancer (NSCLC).

" This grant will allow us to accelerate the industrial manufacturing of our product : ten synthetic peptides associated in order to obtain an immune response fighting five tumor associated antigens. This program will also allow to identify a new clinical immune biomarker" commented Dominique Costantini, CEO at OSE Pharma. *"We are delighted to obtain the support of OSEO on our cancer immune therapy validating our industrial and clinical strategy."* added Dominique Costantini.

Eric Verkant, deputy Regional Director for OSEO Ile-de-France Paris, added : *" OSEO supports this project which will launch a clinical phase III study. Our financial support will help the market authorization of an innovative drug to fight lung cancer"*.

COMPANY PROFILE: Orphan synergy Europe, OSE Pharma, an innovative clinical late stage (Phase III status) biopharmaceutical Company is established in Paris Hospital Cochin France. The company is founded in 2012 by Emile Loria and Dominique Costantini both experienced Biotech entrepreneurs. OSE Pharma has in-licensed its targeted cancer immunotherapy product OSE2101 for the management of international development and European commercial rights. The company is focused on targeting severe and orphan pulmonary diseases. This medico-economic model is based on protection and acceleration of development for drugs significantly improving treatment options for patients with unmet medical needs. OSE lead product OSE2101 has completed a Phase II clinical trial in late-stage non-small cell lung cancer HLA A2 positive patients. This HLA A2 biomarker is expressed in 45% of this population and is considered as a poor prognosis factor in various cancers including the NSCLC. The 10 epitopes combined are providing T cytotoxic responses (able to kill cells) versus the tumor cells expressing the tumor antigens. The 5 Tumor associated antigens targeted (HER2/neu; P53; CEA; MAGE2; MAGE3) signed the poor prognosis when overexpressed alone and even more severe when associated. *The OSE epitopes platform benefits also of two clinical phase I/II results in colon cancer and in NSCLC allowing to define the tolerance, the level of response (>90%) and the scheme of administration (subcutaneous injection every 3 weeks for 6 injections then every 3 months).*

The targeted cancer immune therapy could be also applied to other cancer indications with the same TAA.

The company is preparing a separate clinical project in Cystic Fibrosis, an orphan genetic disorder with progressive lung damage, a molecule with new anti-inflammatory properties. This "reprofiling" molecule has an established safety profile allowing the design of a clinical phase II program.

OSE Pharma

Lung cancer

Lung cancer is the leading cause of cancer death in the world. More people die of lung cancer than of colon, breast and prostate cancers combined. According to the epidemiology site of Globocan (IARC 2008), lung cancer (non-small cell, and small cell type) affects more than 1.6 million patients a year, with around 1.37 million deaths annually and around 600,000 in Europe (27) (288 000) the U.S (214 000), and Japan (141 000). About 85 to 88 percent of all lung cancers are the non-small cell type. The majority of patients are at advanced stage disease at diagnosis: stage III invasive or Stage IV metastatic. Despite aggressive treatments, the 5-year relative survival rates are about 24% for patients with regional disease and less than 4% for patients with distant disease (stage IIIb and IV).

OSEO

Oseo is a public-sector institution that provides entrepreneurs with the resources they need for innovation projects, investment programmes and international business development activities. It offers guidance and financial solutions for all the decisive phases in the corporate life cycle. Oséo collaborates closely with a network of European, national and regional partners to help initiate and commercialize high-potential, high-risk products and services.

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