

Osta Biotechnologies Inc.
Press Release
For Immediate Distribution

OSTA ANNOUNCES PROMISING PRE-CLINICAL RESULTS ON METASTATIC MELANOMA

June 8, 2010—**Osta Biotechnologies Inc.** (TSX Venture: OBI) today announced the results of a pre-clinical efficacy study on a novel anti-cancer therapeutic agent OB-28 in a highly tumorigenic and metastatic human melanoma xenograft mouse model. Data from this pre-clinical study showed statistically significant reduction in the tumor volumes in mice treated with OB-28 compared to mice treated with vehicle alone and the activity of OB-28 was found to be significantly greater than that of Dacarbazine, a chemotherapy drug widely used for the treatment of this type of cancer. OB-28 was found to be well tolerated in mice at various dose levels with multiple administrations. These results hold promise that OB-28 could become a treatment of choice for metastatic and chemotherapy-resistant melanoma in humans.

Results of the Pre-Clinical Study

The pre-clinical study was conducted in collaboration with Dr. M. Alaoui-Jamali, a Professor of Oncology & Senior Scientist at McGill University and the Segal Cancer Centre of the Jewish General Hospital. In a pre-clinical study involving a total of 42 Scid mice implanted with human metastatic melanoma SKMEL-V cells, the tumor volumes were found to be significantly smaller in mice treated with OB-28 via an i.v. infusion over a period of 1.5 hours at 30 mg/kg (2 cycles, d1, 3, 5 per cycle, 30% reduction); at 60 mg/kg (2 cycles, d1, 3, 5 per cycle, 52% reduction, $p < 0.05$); at 200 mg/kg (2 cycles, d1, 5 per cycle; 69% reduction, $p < 0.01$) and at 1000 mg/kg (2 cycles, d1, 5 per cycle, 78% reduction, $p < 0.01$) dose levels compared with those in animals treated with vehicle alone or with i.v. injection of Dacarbazine at 10 mg/kg (2 cycles, d1, 3, 5 per cycle, 21% reduction). These results demonstrate that OB-28 is a very potent anti-cancer agent against metastatic melanoma.

Dr. Ajay Gupta, Chairman & CEO of Osta commented “We are quite excited with these results and are continuing to advance the pre-clinical development of our novel anti-cancer compounds in aggressive and metastatic cancer models. The successful development of OB-28 for the treatment of drug resistant and metastatic melanoma would represent a major breakthrough in the treatment of this devastating disease.”

About Osta Biotechnologies Inc.

Osta is a biopharmaceutical company listed on the TSX Venture Exchange currently focusing on developing therapeutics for Cancer and Alzheimer’s disease.

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