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ImmunoCellular Therapeutics Provides Update on Phase II Clinical Trial of ICT-107 for the Treatment of Glioblastoma

LOS ANGELES, CA – ImmunoCellular Therapeutics, Ltd. ("ImmunoCellular" or the "Company") (OTCBB: IMUC), a biotechnology company focused on the development of novel immune-based cancer therapies, provided an update today on clinical trial site activity and patient enrollment for its Phase II clinical trial of ICT-107, the Company's dendritic cell based cancer vaccine candidate targeting multiple tumor antigens for the treatment of glioblastoma multiforme (GBM). The Company has initiated the trial in 23 centers and has received Institutional Review Board (IRB) approval from a total of 24 trial sites. The trial is expected to enroll approximately 160-200 patients to treat 102 patients with HLA-A1/A2 immunological subtypes. There are 115 patients enrolled in the study to date, ahead of the Company's schedule. Enrollment for the trial is expected to be completed by the second quarter of 2012 and an interim analysis is expected when 50% of events (32 deaths) have been observed.

The Phase II trial of ICT-107 is a double-blind, placebo-controlled, 2:1 randomized study designed to evaluate the safety and efficacy of ICT-107 in patients with newly diagnosed GBM. The study is enrolling patients at medical institutions in collaboration with leading experts and opinion leaders in neuro-oncology at those sites.

"We are pleased with the progress we have made in enrolling patients for the Phase II trial," said Manish Singh, Ph.D., President and CEO of ImmunoCellular Therapeutics. "The strong interest and support from the medical community, especially from leading oncologists, has allowed us to enroll patients in many of the top medical centers in the country, reflecting the potential that ICT-107 has demonstrated in treating GBM."

The Phase I clinical study of ICT-107 in GBM, 16 newly diagnosed patients who received the vaccine in addition to standard of care of surgery, radiation and chemotherapy demonstrated two year overall survival of 80 percent and a three year survival of 55 percent. These figures compare favorably to the 26 percent two-year and 16 percent three-year survival based on the historical standard of care treatment alone. The median overall survival was 38.4 months compared to 14.6 months for the historical standard of care. The study's median progression free survival (PFS) of 16.9 months compared favorably to the historic median PFS of 6.9 months. Six out of the 16 (37.6%) newly diagnosed patients who received ICT-107 continue to show no tumor recurrence at the last analysis, with 3 of these patients (18.8%) remaining disease-free for more than 4 years while the other 3 patients had gone more than 3 years disease-free. There have been no serious adverse treatment related symptoms observed in any of the patients. The clinical centers currently recruiting for this clinical trial and enrollment criteria are listed at: http://clinicaltrials.gov/ct2/show/study/NCT01280552?term=ICt-107&rank=1 .

About ImmunoCellular Therapeutics, Ltd.

IMUC is a Los Angeles-based clinical-stage company that is developing immune-based therapies for the treatment of brain and other cancers. The Company recently commenced a Phase II trial of its lead product candidate, ICT-107, a dendritic cell-based vaccine targeting multiple tumor associated antigens for glioblastoma. To learn more about IMUC, please visit www.imuc.com.

Forward-Looking Statements for ImmunoCellular Therapeutics

This press release contains certain forward-looking statements that are subject to a number of risks and uncertainties, including the risk that the safety and efficacy results obtained in the Phase I trial for the dendritic cell- based vaccine will not be confirmed in subsequent trials; the risk that the correlation between immunological response and progression-free and overall survival in the Phase I trial for ICT-107 will not be reflected in statistically significant larger patient populations; the risk that IMUC will not be able to secure a partner company for development or commercialization of ICT-107. Additional risks and uncertainties are described in IMUC's most recently filed SEC documents, such as its most recent annual report on Form 10-K, all quarterly reports on Form 10-Q and any current reports on Form 8-K. IMUC undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Contact Information:

ImmunoCellular Therapeutics, Ltd.
CEOcast, Inc.
James Young
Investor Relations
Tel: (212) 732-4300
Email: jyoung@ceocast.com

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