January 30, 2013

Celsion Corporation to Host Conference Call and Webcast on January 31, 2013 at 8:00 AM EST to Present Top-Line Data from its Pivotal Phase III HEAT Study

LAWRENCEVILLE, N.J., Jan. 30, 2013 /PRNewswire/ -- Celsion Corporation (NASDAQ: CLSN), a leading oncology drug development company, today announced that it will host a conference call and webcast at 8:00 a.m. Eastern Time on Thursday, January 31, 2013 to present the top-line results from its pivotal Phase III HEAT Study with ThermoDox® in combination with radiofrequency ablation (RFA) in patients with intermediate hepatocellular carcinoma (HCC) versus those patients receiving RFA alone.Â

The HEAT Study, which has enrolled a total of 701 patients at 79 sites in 11 countries, has been designated as a Priority Trial for liver cancer by theÂ National Institutes of Health, has received Fast Track Designation from theÂ FDAÂ and has received Orphan Drug Designation in both the U.S. andÂ Europe.

Conference Call

The conference call may be accessed by dialing 1-888-466-4462 (Toll-Free/North America) or 1-719-457-2627 (International/Toll) and ask for the Celsion Corporation Phase III HEAT Study Conference Call approximately 10 minutes before the call is scheduled to begin. The call will also be broadcast live on the internet at http://www.celsion.com.

The call will be archived for replay at 2 p.m. EST on January 31, 2013, and will remain available until February 14, 2013. The replay can be accessed at 1-877-870-5176 (Toll-Free/North America) or 1-858-384-5517 (International/Toll) using Conference ID: 4540212. An audio replay of the call will also be available on the Company's website, http://www.celsion.com, for 30 days after 2 p.m. EST on Friday, January 31, 2013.

About the HEAT Study

HEAT (**He**patocellular Carcinoma Study of RF**A** and **T**hermoDox®) was an international, multi-center, randomized, placebo-controlled study that randomized 701 patients with intermediate (tumor size 3 cm to 7 cm), unresectable HCC to 50mg/m^2 ThermoDox® plus RFA or RFA alone. The primary endpoint of the study was progression-free survival, as defined by the Special Protocol Assessment agreed to with the U.S. FDA.Â Safety and tolerability were also evaluated.

The HEAT Study, the largest clinical trial to date in patients with intermediate HCC, was conducted at 79 clinical sites around the world, including the United States, Canada, Italy, China, Taiwan, Hong Kong, Korea, Thailand, Malaysia and the Philippines.

About Hepatocellular Carcinoma

Hepatocellular carcinoma (HCC), also known as primary liver cancer, is currently one of the most common and deadly forms of cancer worldwide. With few approved treatment options, it is estimated that up to 90 percent of unresectable (inoperable) liver cancer patients will die within five years of diagnosis. HCC is the fourth leading cause of death from cancer and the third most common in males. There are approximately 26,000 new cases per year in the US and approximately 40,000 cases per year in Europe. However, HCC is rapidly growing worldwide at approximately 750,000 cases per year, due to the high prevalence of Hepatitis B and C in developing countries - more than 50 percent of these new cases will be in China . HCC currently is the world's fifth largest cancer and the World Health Organization estimates that HCC may become the number one cancer worldwide by 2020, surpassing lung cancer.

About ThermoDox®

ThermoDox® is an investigational, proprietary heat-activated formulation of liposomal doxorubicin, an approved and frequently used oncology drug for the treatment of a wide range of cancers, and is currently being investigated in clinical trials for its potential to treat patients with intermediate (tumor size 3 to 7 cm), unresectable (inoperable) HCC.Â ThermoDox® is an investigational treatment and is not approved by the FDA, EMA or other health authorities.Â Â

ThermoDox® enhances the efficacy of doxorubicin by encapsulating it with Celsion's proprietary lysolipid thermally sensitive

liposomes (LTSL).Â These heat-sensitive liposomes change structure when heated to a specific temperature (via a heat source like RFA), creating openings in the liposome that release doxorubicin directly into the targeted tumor and surrounding tissue. While the RFA targets the tumor, ThermoDox® delivers higher concentrations of chemotherapy directly to the tumor site, capturing micrometastases (tumors too miniscule to be detected) outside of the RFA ablation zone, which are most commonly responsible for post-treatment disease recurrence.Â In animal models, ThermoDox® has been shown to deliver 25 times more doxorubicin into tumors than intravenous doxorubicin, and five times more doxorubicin than standard liposomal formulations of the drug. Additionally, ThermoDox® is less permeable across normal blood vessels than free doxorubicin, minimizing systemic toxicity.Â

About Celsion Corporation

Celsion is a leading oncology company dedicated to the development and commercialization of innovative cancer drugs. The company is focused on advancing its heat-mediated, tumor-targeting drug delivery platform to address difficult-to-treat cancers. Celsion has research, license, or commercialization agreements with leading institutions including the National Institutes of Health, Duke University Medical Center, University of Hong Kong, the University of Pisa, the UCLA Department of Medicine, the Kyungpook National University Hospital, the Beijing Cancer Hospital and the University of Oxford.Â For more information on Celsion, visit our website: http://www.celsion.com.

Celsion wishes to inform readers that forward-looking statements in this release are made pursuant to the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995.Â Readers are cautioned that such forward-looking statements involve risks and uncertainties including, without limitation, unforeseen changes in the course of research and development activities and in clinical trials by others; possible acquisitions of other technologies, assets or businesses; possible actions by customers, suppliers, competitors, regulatory authorities; and other risks detailed from time to time in the Company's periodic reports filed with the Securities and Exchange Commission.

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