November 17, 2016

Spectrum Pharmaceuticals Announces Poziotinib Data Presentation at the 17th IASLC World Conference on Lung Cancer in Vienna, Austria, December 4-7, 2016

HENDERSON, Nev.--(BUSINESS WIRE)-- Spectrum Pharmaceuticals (NasdaqGS: SPPI), a biotechnology company with fully integrated commercial and drug development operations with a primary focus in Hematology and Oncology, today announced that scientists from MD Anderson Cancer Center will be presenting data from a preclinical study evaluating poziotinib in lung cancer at the 17th International Association for the Study of Lung Cancer (IASLC) World Conference on Lung Cancer taking place in Vienna, Austria, December 4-7, 2016.

"Poziotinib has shown promising efficacy in preclinical models of non-small cell lung cancer (NSCLC) with exon 20 insertion mutations," said John Heymach, MD, PhD, Chairman, Professor, and David Bruton Junior Chair in Cancer Research, Department of Thoracic/Head and Neck Medical Oncology, The University of Texas MD Anderson Cancer Center. "Tumors with these mutations have generally not been responsive to approved EGFR inhibitors, and there is an unmet need for better therapies for these patients. Computational modeling suggests that poziotinib may overcome steric hindrance of the drug binding pocket induced by the exon 20 insertion mutations. Based on these results, we are in the process of initiating a Phase 2 study in lung cancer that we plan to start in the near future."

"Poziotinib has already shown promising data in breast cancer, and we are excited that it may now have application in lung cancer as well," said Rajesh C. Shrotriya, MD, Chairman and Chief Executive Officer of Spectrum Pharmaceuticals. "Lung cancer is the leading cause of cancer deaths in the world. Due to the mutations in the genes, lung cancer often becomes unresponsive to treatments. Patients who have exon 20 insertion mutations have few options, if any. We look forward to working closely with MD Anderson Cancer Center to continue development of this drug in this area of unmet medical need."

17th IASLC World Conference on Lung Cancer

Abstract Title:	Poziotinib overcomes de novo resistance of EGFR exon 20 insertion mutations in NSCLC
Oral Presentation Schedule:	December 7, 2016 Session "Novel Strategies in Targeted Therapies"
Abstract Link:	**http://library.iaslc.org/search-speaker?search_speaker=44257**

About Poziotinib

Poziotinib is a novel, oral pan-HER inhibitor that irreversibly blocks signaling through the Epidermal Growth Factor Receptor (EGFR, HER) Family of tyrosine-kinase receptors, including HER1 (erbB1; EGFR), HER2 (erbB2), and HER4 (erbB4), and importantly, also HER receptor mutations; this, in turn, leads to the inhibition of the proliferation of tumor cells that overexpress these receptors. Mutations or overexpression/amplification of EGFR family receptors have been associated with a number of different cancers, including non-small cell lung cancer (NSCLC), breast cancer, and gastric cancer.

About Spectrum Pharmaceuticals, Inc.

Spectrum Pharmaceuticals is a leading biotechnology company focused on acquiring, developing, and commercializing drug products, with a primary focus in Hematology and Oncology. Spectrum currently markets six hematology/oncology drugs, and has an advanced stage pipeline that has the potential to transform the Company. Spectrum's strong track record for in-licensing and acquiring differentiated drugs, and expertise in clinical development have generated a robust, diversified, and growing pipeline of product candidates in advanced-stage Phase 2 and Phase 3 studies. More information on Spectrum is available at www.sppirx.com.

Forward-looking statement — This press release may contain forward-looking statements regarding future events and the future performance of Spectrum Pharmaceuticals that involve risks and uncertainties that could cause actual results to differ materially. These statements are based on management's current beliefs and expectations. These statements include, but are not limited to, statements that relate to Spectrum's business and its future, including certain company milestones, Spectrum's ability to identify, acquire, develop and commercialize a broad and diverse pipeline of late-stage clinical and commercial products, the timing and results of FDA decisions, and any statements that relate to the intent, belief, plans or

expectations of Spectrum or its management, or that are not a statement of historical fact. Risks that could cause actual results to differ include the possibility that Spectrum's existing and new drug candidates may not prove safe or effective, the possibility that our existing and new applications to the FDA and other regulatory agencies may not receive approval in a timely manner or at all, the possibility that our existing and new drug candidates, if approved, may not be more effective, safer or more cost efficient than competing drugs, the possibility that our efforts to acquire or in-license and develop additional drug candidates may fail, our dependence on third parties for clinical trials, manufacturing, distribution and quality control and other risks that are described in further detail in the Company's reports filed with the Securities and Exchange Commission. The Company does not plan to update any such forward-looking statements and expressly disclaims any duty to update the information contained in this press release except as required by law.

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