IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re:

U.S. Patent of Lane et al.

Proceeding No.:

IPR2018-00507

Patent No.:

8,410,131

Application No.:

10/468,520

For:

CANCER TREATMENT

PATENT OWNER'S POWER OF ATTORNEY IN AN INTER PARTES REVIEW

Patent Owner Novartis Pharmaceuticals Corporation ("Novartis") hereby appoints Nicholas N. Kallas (Reg. No. 31,530) and Laura K. Fishwick (Reg. No. 69,907) as its attorneys to prosecute the aforementioned proceeding and to transact all business in the United Patent and Trademark Office connected therewith.

Please address all correspondence as follows:

Nicholas N. Kallas

Fitzpatrick, Cella, Harper & Scinto 1290 Avenue of the Americas

New York, NY 10104-3800 Telephone: (212) 218-2100

Facsimile: (212) 218-2100

nkallas@fchs.com

Dated: February , 2018

Dated: February ______, 2018

Peter J. Waibel

Novartis Pharmaceuticals Corporation

One Health Plaza

East Hanover, NJ 07936-1080

Gregory Ferraro

Novartis Pharmaceuticals Corporation

One Health Plaza

East Hanover, NJ 07936-1080