

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: U.S. Patent of Lane *et al.*
Proceeding No.: IPR2017-01592
Patent No.: 8,410,131
Application No.: 10/468,520
For: CANCER TREATMENT

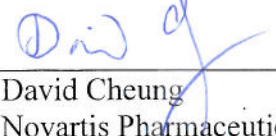
PATENT OWNER'S POWER OF ATTORNEY IN AN *INTER PARTES* REVIEW

Patent Owner Novartis Pharmaceuticals Corporation ("Novartis") hereby appoints Nicholas N. Kallas (Reg. No. 31,530), Charlotte Jacobsen, Susanne L. Flanders, 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:

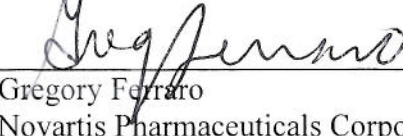
Nicholas N. Kallas
Fitzpatrick, Cella, Harper & Scinto
1290 Avenue of the Americas
New York, NY 10104-3800
Telephone: (212) 218-2100
Facsimile: (212) 218-2200
nkallas@fchs.com

Dated: March 9, 2018



David Cheung
Novartis Pharmaceuticals Corporation
One Health Plaza
East Hanover, NJ 07936-1080

Dated: March 9, 2018



Gregory Ferraro
Novartis Pharmaceuticals Corporation
One Health Plaza
East Hanover, NJ 07936-1080