

**POWER OF ATTORNEY FOR PROCEEDINGS  
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

Pursuant to 37 C.F.R. § 42.10(b), Patent Owner Celgene Corporation hereby appoints attorneys associated with Celgene Corporation, Jones Day, and Quinn Emanuel Urquhart & Sullivan LLP to defend and represent the patent owner identified below in proceedings before the Patent Trial and Appeal Board, including in Case No. IPR2018-01509.

These attorneys include at least:

J. Patrick Elsevier, Ph.D.	Reg. No. 44,668
Anthony M. Insogna	Reg. No. 35,203
Christopher J. Harnett	Reg. No. 35,538
Cary Miller, Ph. D.	Reg. No. 54,708
Matthew J. Hertko	pro hac vice
F. Dominic Cerrito	Reg. No. 38,100
Andrew S. Chalson	pro hac vice
Frank C. Calvosa	Reg. No. 69,064

Name and Address of Patent Owner:

Celgene Corporation  
86 Morris Avenue  
Summit, New Jersey 07901

**SIGNATURE**

The individual whose signature and title is supplied below is authorized to act on behalf of  
Celgene Corporation

Signature	/J. Patrick Elsevier/	Date: 08/22/2018
Name	J. Patrick Elsevier, Ph. D.	Telephone Number: 908-673-9000
Title	VP Litigation, Celgene Corporation	