UNITED S	STATES PATENT AND TRADEMARK	K OFFICE
BEFORE	THE PATENT TRIAL AND APPEAL	BOARD
	RIGEL PHARMACEUTICALS, INC., Petitioner,	
	v.	
•	SERVIER PHARMACEUTICALS LLC	
	Patent Owner.	
	Case IPR2022-01423 U.S. Patent No. 10,610,125	

DECLARATION OF DR. LESLIE OLEKSOWICZ IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW U.S. PATENT NO. 10,610,125



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### Declaration of Dr. Leslie Oleksowicz U.S. Patent No. 10,610,125

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#### LIST OF EXHIBITS REFERENCED IN DECLARATION

Exhibit	Description
1001	U.S. Patent No. 10,610,125 ("'125 Patent")
1002	Excerpted Prosecution History of U.S. Patent No. 10,610,125
1005	Declaration of Doctor Leslie Oleksowicz ("Oleksowicz Dec.")
1006	Curriculum Vitae of Doctor Leslie Oleksowicz
1007	Mardis et al., Recurring Mutations Found by Sequencing an Acute Myeloid Leukemia Genome, 361 N. ENGL. J. MED. 1058 (2009). ("Mardis")
1008	Vogelstein et al., U.S. Pat. App. Pub. No. 2011/0229479 ("Vogelstein")
1009	Dang et al., Int'l Pat. App. Pub. No. 2010/105243 ("Dang '243" or "2010 Application")
1010	Popovici-Muller et al., Int'l Pat. App. Pub. No. 2012/009678 ("PM '678")
1011	Popovici-Muller et al., Discovery of the First Potent Inhibitors of Mutant IDH1 That Lower Tumor 2-HG in Vivo, 3 ACS MED. CHEM. LETT. 850 (2012). ("PM 2012")
1012	Zhao et al. <i>Glioma-Derived Mutations in IDH1 Dominantly Inhibit IDH1 Catalytic Activity and Induce HIF-1α</i> , 324 SCIENCE 261 (2009).
1014	Golub et al., <i>Mutant Isocitrate Dehydrogenase Inhibitors as Targeted Cancer Therapeutics</i> , 9 FRONT. ONCOL. 417 (2019). ("Golub")
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1016	Yan et al., <i>IDH1 and IDH2 Mutations in Gliomas</i> , 360 N. ENGL. J. MED. 765 (2009). ("Yan")
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1024	Dang et al., Cancer-associated IDH1 Mutations Produce 2-hydroxyglutarate, 462 NATURE 739 (2009). ("Dang 2009")
1052	Frezza et al. <i>IDH1 Mutations in Gliomas: When an Enzyme Loses its Grip</i> , 17 Cancer Cell 7-9 (2010). ("Frezza")
1053	FDA, GLEEVEC® PRESCRIBING INFORMATION (2022) https://www.accessdata.fda.gov/drugsatfda_docs/label/2008/021588s024lbl.pdf.
1054	Biomarkers, KIT Mutation, MY CANCER GENOME, https://www.mycancergenome.org/content/alteration/kit-mutation/#:~:text=KIT%20Mutation%20is%20present%20 in,the%20greatest%20prevalence%20%5B4%5D. (last visited Aug. 14, 2022).
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1056	Turski et al., Genomically Driven Tumors and Actionability Across Histologies: BRAF-Mutant Cancers as a Paradigm, 15 Mol. Cancer. Ther. 533-47 (2016). ("Turski")
1057	Kumar et al. <i>Genetic Abnormalities and Challenges in the Treatment of AML</i> , 2 GENES & CANCER 95-107 (2011). ("Kumar")
1058	Popovici-Muller et al., Discovery of AG-120 (Ivosidenib): A First-in-Class Mutant IDH1 Inhibitor for the Treatment of IDH1 Mutant Cancers, 9 ACS Med. Chem. Lett. 300-5 (2018). ("PM 2018")



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