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UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD

REGENERON PHARMACEUTICALS, INC.,
Petitioner

v.

NOVARTIS PHARMA AG, NOVARTIS TECHNOLOGY LLC, NOVARTIS
PHARMACEUTICALS CORPORATION,
Patent Owners.

Case IPR2021-00816

Patent Number 9,220,631

Deposition via Zoom of MICHAEL J. MILLER,
Ph.D., a witness herein, called for examination by
counsel for Petitioner in the above-entitled matter,
pursuant to notice, the witness being duly sworn by
MARY GRACE CASTLEBERRY, a Notary Public in and for
the State of Maryland, taken at 9:31 a.m. EDT,
Wednesday, March 16, 2022, and the proceedings being
taken down by Stenotype by MARY GRACE CASTLEBERRY,
RPR, and transcribed under her direction.



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C O N T E N T S

WITNESS	EXAMINATION ON BEHALF OF	
MICHAEL MILLER, Ph.D.	PETITIONER	PATENT OWNER
BY MR. PEPE	6	
BY MS. HOLLAND		137
BY MR. PEPE	154	
BY MS. HOLLAND		158
BY MR. PEPE	160	

Afternoon Session - Page 120

E X H I B I T S

EXHIBIT NO.		PAGE
1001 - United States Patent Number 9,220,631		27
1007 - International Publication Number WO		
2011/006877 (Sigg)		67
1029 - International Publication Number WO		
2008/077155 (Lam)		105
2056 - Document entitled Scientific Discussion		122



E X H I B I T S (Continued):		
EXHIBIT NO.		PAGE
[REDACTED]		
[REDACTED]		
[REDACTED]		
[REDACTED]		135
[REDACTED]		
[REDACTED]		
[REDACTED]		134
2138	- PowerPoint entitled Lucentis - Pre-Filled Syringes, Pharmaceutical Development Aspects, December 17, 2007	130
[REDACTED]		
[REDACTED]		101
2187	- ANSI/AAMI ST67:2011	61
2188	- ISO 14161	54
2190	- Aseptic Process of Diced Tomatoes by Bash and Gould	126
2203	- Declaration of Michael J. Miller, Ph.D. In Support of Novartis's Patent Owner Response	14
2206	- Declaration of Dr. Sigg	100

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