

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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LUPIN LTD. and LUPIN PHARMACEUTICALS INC.

Petitioners,

v.

HORIZON THERAPEUTICS, LLC

Patent Owner.

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IPR2017-01160

**PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 9,326,966  
PURSUANT TO §§ 35 U.S.C. 311-319 AND 37 C.F.R. § 42**

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<b>Dr. Gregory Enns</b> April 23, 2018 <b>Exhibit No. 1027</b> Megan F. Alvarez RPR, CSR No. 12470
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LUPIN EX. 1027
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Ex. 1004	Brusilow, <i>et al.</i> , <i>Treatment of Episodic Hyperammonemia in Children with Inborn Errors of Urea Synthesis</i> , 310 <i>The New England Journal of Medicine</i> , 1630-1634 (1984). (“ <i>Brusilow ’84</i> ”).
Ex. 1005	Simell, <i>et al.</i> , <i>Waste Nitrogen Excretion Via Amino Acid Acylation: Benzoate and Phenylacetate in Lysinuric Protein Intolerance</i> , 20 <i>Pediatric Research</i> , 1117-1121 (1986). (“ <i>Simell</i> ”).
Ex. 1006	Blau, Duran, Blaskovics, Gibson (editors), <i>Physician’s Guide to the Laboratory Diagnosis of Metabolic Diseases</i> , 261-276 (2d ed. 1996). (“ <i>Blau</i> ”).
Ex. 1007	U.S. Patent Publication No. 2010/0008859, filed January 7, 2009, published January 14, 2010. ( <i>the “’859 Publication</i> ”).
Ex. 1008	Scientific Discussion for Ammonaps, EMEA 2005, available at <a href="http://www.ema.europa.eu/docs/en_GB/document_library/EPAR_-_Scientific_Discussion/human/000219/WC500024748.pdf">http://www.ema.europa.eu/docs/en_GB/document_library/EPAR_-_Scientific_Discussion/human/000219/WC500024748.pdf</a> . (“ <i>Scientific Discussion</i> ”).
Ex. 1009	Dixon, <i>et al.</i> , <i>Intercurrent Illness in Inborn Errors of Intermediary Metabolism</i> , 67 <i>Archives of Disease in Childhood</i> , 1387-1391 (1992). (“ <i>Dixon</i> ”).
Ex. 1010	UMass Memorial Laboratories, Lab Updates, February 2007, Measurement of Ammonia in Blood
Ex. 1011	Brusilow, <i>Phenylacetylglutamine May Replace Urea as a Vehicle for Waste Nitrogen Excretion</i> , 29 <i>Pediatric Research</i> , 147-150 (1991). (“ <i>Brusilow ’91</i> ”).

Ex. 1012	Yajima, <i>et al.</i> , <i>Diurnal Fluctuation of Blood Ammonia Levels in Adult-Type Citrullinemia</i> , 137 <i>Tohoku J. Exp. Med.</i> , 213-220 (1982). (“Yajima”).
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Ex. 1017	Levin, <i>et al.</i> , <i>Hyperammonaemia A Variant Type of Deficiency of Liver Ornithine Transcarbamylase</i> , <i>Arch. Dis. Childh.</i> , 1964, 44. 162 (1968).
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