## UNITED STATES PATENT AND TRADEMARK OFFICE

## BEFORE THE PATENT TRIAL AND APPEAL BOARD

APOTEX CORP. APOTEX, INC. Petitioner

v.

ALLERGAN, INC. Patent Owner

U.S. Patent No. 8,685,930

Case To be assigned

## DECLARATION OF CHRISTOPHER N. TA, M.D.

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I, Christopher N .Ta, hereby declare as follows.

#### I. Overview

1. I am over the age of eighteen (18) and otherwise competent to make this declaration.

2. I have been retained as an expert witness on behalf of APOTEX CORP. and APOTEX INC. ("APOTEX") for the above-captioned *inter partes* review (IPR). I am being compensated for my time in connection with this IPR at my standard consulting rate, which is \$500 per hour for time less than one hour, then \$375 per hour thereafter. I understand that the petition for *inter partes* review involves U.S. Patent No. 8,685,930 ("the '930 patent"), Exhibit 1001, which resulted from U.S. Application No. 13/961,828 ("the '828 application"), filed on August 7, 2013, naming Andrew Acheampong, Diane D. Tang-Liu, James N. Chang, and David F. Power as inventors. The '930 patent issued on April 1, 2014, from the '828 application. I further understand that, according to the USPTO records, the '930 patent is currently assigned to Allergan, Inc. ("the patentee"). I understand that the earliest possible priority date for the '930 patent is September 15, 2003.

3. I understand that independent claims 1, 13, and 25 of the '930 patent are directed to topical ophthalmic emulsions comprising cyclosporine A, polysorbate 80, acrylate/C10-30 alkyl acrylate cross-polymer, water, and castor oil. I understand that these claims specifically recite a topical ophthalmic emulsion comprising 0.05% by weight cyclosporine A and 1.25% by weight castor oil, and that the emulsions are therapeutically effective in treating keratoconjunctivitis sicca, drye eye, and increasing tear production. I understand that claims 11, 23, and 35 of the '930 patent recite that the topical ophthalmic emulsions, when administered to an eye of a human, show substantially no detectable blood levels of cyclosporine A.

## II. My background and qualifications

4. I am an expert in the field of ophthalmology and the treatment of patients suffering from ophthalmological disorders. I have been an expert in this field since before 2003.

5. I am presently Professor of Ophthalmology at Stanford University School of Medicine. I am Board Certified in Ophthalmology by the American Board of Ophthalmology. In my practice, I routinely see and treat patients with dry eye. My *curriculum vitae* is provided as Exhibit 1008.

6. I earned a Bachelor of Arts degree in Physiology from the University of Minnesota in 1990. I earned an M.D. from University of Minnesota Medical School in 1994. I completed an internship in internal medicine at Kaiser Permanente Hospital in Oakland, CA, in 1995. I completed my residency in ophthalmology at Stanford University Medical Center in 1998. I completed a fellowship in cornea, external diseases, and refractive surgery at the University of Texas Southwestern (Dallas, TX) in 1999. I worked as Acting Assistant Professor at the Stanford University School of Medicine from 1999-2000, and as Assistant Professor at Stanford University School of Medicine from 2000-2006. I served as Associate Professor at Stanford University School of Medicine from 2007-2012. I became Professor at Stanford University School of Medicine in 2012 and continue to serve as Professor there today. Throughout my career, I have had extensive experience consulting, diagnosing, and treating patients with ophthalmologic conditions, including dry eye. I also have extensive experience evaluating patient responses to different ophthalmological formulations.

7. I have received several honors in my career related to ophthalmological conditions and treatment, such as the Biodesign Certificate of Appreciation, Stanford Biodesign (2011); Best Paper Award, American Academy of Ophthalmology (2008); American Academy of Ophthalmology (2008); American Academy of Ophthalmology (2008); America's Top Ophthalmologist, Consumers' Research Council of America (2007-2009); Best Poster Award, European Society of Cataract and Refractive Surgery Conference (2005); Stanford Leadership Development Program (2005-2006); Office of Technology and Licensing Research Incentive Fund Award (2005); Alpha Omega Alpha (1993); and Phi Beta Kappa Honor Society (1990).

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