UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MYLAN PHARMACEUTICALS INC., TEVA PHARMACEUTICALS USA, INC. and AKORN INC.,[1]
Petitioners,

v.

ALLERGAN, INC.
Patent Owner.

Case IPR2016-01127 (US 8,685,930 B2)
Case IPR2016-01128 (US 8,629,111 B2)
Case IPR2016-01129 (US 8,642,556 B2)
Case IPR2016-01130 (US 8,633,162 B2)
Case IPR2016-01131 (US 8,648,048 B2)
Case IPR2016-01132 (US 9,248,191 B2)

DECLARATION OF ANDREW F. CALMAN, M.D., PH.D.

[1] Cases IPR2017-00576 and IPR2017-00594, IPR2017-00578 and IPR2017-00596, IPR2017-00579 and IPR2017-00598, IPR2017-00583 and IPR2017-00599, IPR2017-00585 and IPR2017-00600, and IPR2017-00586 and IPR2017-00601, have respectively been joined with the captioned proceedings. The word-for-word identical paper is filed in each proceeding identified in the caption pursuant to the Board's Scheduling Order (Paper 10).

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I, Andrew F. Calman, M.D., Ph.D., declare as follows:

I. QUALIFICATIONS

1. I received my Bachelor of Science in Molecular Biophysics and Biochemistry, *summa cum laude*, from Yale University in 1982, with Distinction in the Major. I also received my Master of Science in Molecular Biophysics and Biochemistry from Yale University in 1982. I then attended medical school and graduate school at the University of California, San Francisco (UCSF) with a full scholarship from the Medical Scientist Training Program of the National Institutes of Health from 1982 to 1989. In 1989, I received my Doctor of Medicine (M.D.) and Doctor of Philosophy (Ph.D.) in Microbiology and Immunology from UCSF, earning the Dean's Prize for Student Research, Chancellor's Fellowship, membership in Alpha Omega Alpha, and the E. E. Osgood Award for best student biomedical research in the Western United States. My graduate research involved identification of the T-cell antigen receptor beta-chain gene, rearrangement and expression of T-cell antigen receptor genes in B-cells, activation of HIV gene expression in T-cells, and an *in vitro* model of Bare Lymphocyte Syndrome, a form of congenital immune deficiency involving deficient expression of class II major histocompatibility genes.

2. From 1989-1990, I completed a one-year internship in Internal Medicine at Kaiser Foundation Hospital in San Francisco, followed by a three-year

residency in Ophthalmology at UCSF. During this time, I set up a molecular biology laboratory in the Department of Ophthalmology at UCSF, resulting in the cloning of a human cataract gene by genetic complementation of galactokinase-deficient yeast cells. During my clinical training, I was introduced to the use of compounded cyclosporin for ocular conditions. I have been on the clinical faculty of UCSF since 1993, with a current appointment as Associate Clinical Professor of Ophthalmology. For many years I also held a joint appointment in the Department of Family and Community Medicine at UCSF. I also hold a faculty appointment at California Pacific Medical Center. My teaching activities at these academic institutions include training residents and medical students in diagnosis and treatment of eye disease, and teaching cataract and other ophthalmic surgery. In addition, international medical students from the Netherlands, Thailand, Saudi Arabia, and Colombia have trained in my office, in preparation for residency training in ophthalmology.

3. I was board certified in ophthalmology in 1994, and recertified in 2004 and 2014. Since 1997, I have served as an Associate Examiner for the American Board of Ophthalmology, administering the Oral Board Examination for candidates for board certification. In this capacity I have examined candidates in multiple subspecialty areas within ophthalmology, most recently in Cornea, External Disease, and Pediatric Ophthalmology from June 3-5, 2016.

4. From 1996 to 2004, I served on the Medicare Carrier Advisory Committee for California and several other states, helping to formulate and review Medicare policies on various ophthalmic conditions and procedures, including those involving the cornea and conjunctiva. I held a similar position at the national level from 2004 to 2008, serving on the Health Policy Committee of the American Academy of Ophthalmology. In 2010, I served as President of the California Academy of Eye Physicians and Surgeons, which is the state professional society for California ophthalmologists. In addition to these and other leadership positions in professional societies at the local, state and national level, I am Past Chair of Prevent Blindness California, a non-profit dedicated to finding and treating cases of preventable vision loss in children.

5. Since 1993, I have had a busy comprehensive ophthalmology practice in the Mission District of San Francisco, treating a diverse, high-pathology population for a variety of ophthalmic conditions, including corneal and external disease, cataract, glaucoma, retinal disease, and ophthalmic manifestations of neurologic and systemic disease. Many of these patients over the years have had symptoms or clinical findings consistent with the group of clinical entities sometimes colloquially and/or collectively referred to as "dry eye," and have been diagnosed with various conditions and treated accordingly. Among various

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