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

SLAYBACK PHARMA LLC,

Petitioner,

v.

EYE THERAPIES, LLC,

Patent Owner.

Case IPR2022-00142 U.S. Patent No. 8,293,742

DECLARATION OF STEPHEN G. DAVIES, D.PHIL.



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I. QUALIFICATIONS AND BACKGROUND

A. Education and Experience

- 1. I, Stephen G. Davies, D.Phil., submit this declaration at the request of Eye Therapies, LLC ("Eye Therapies" or "Patent Owner") as an expert in the fields of organic chemistry and medicinal chemistry. I understand this is being submitted in support of the Patent Owner's Response in connection with IPR2022-00142. My qualifications in these areas, as well as other areas, are established below and by my curriculum vitae, which is attached as Appendix A, and list of publications, which is attached as Appendix B.
- 2. I am the Waynflete Professor of Chemistry Emeritus at the University of Oxford, and Extraordinary Lecturer in Chemistry at New College, Oxford, England. I have been employed teaching chemistry at Oxford since 1980. From 2006 to 2011, I was Chairman of the Department of Chemistry. In this position, I had full responsibility for all teaching, research, financial and managerial matters in one of the largest chemistry departments in the world. I have also supervised more than 100 graduate students and 100 post-doctoral fellows in the areas of organic, organometallic and medicinal chemistry.
- 3. In 1973, I earned a B.A. in Chemistry from the University of Oxford. In 1975, I earned a D. Phil. in Chemistry from the University of Oxford. In 1980, I received a D. Sc. in Chemistry from the University of Paris.



- 4. Over the course of my career, I have been a committee member of many professional organizations, a list of which can be found in my *curriculum vitae*.
- 5. I have authored over 600 publications and have given scores of research lectures. My research interests include synthetic organic and medicinal chemistry, and in particular, the preparation of chemically and stereochemically pure organic compounds, including the asymmetric and stereoselective synthesis of enantiomerically pure organic compounds for potential therapeutic use. A list of my publications may be found attached as Appendix B.
- 6. I have also held several editorial appointments. I was the Founding Editor and Editor of Organic Series of "Oxford Chemistry Primers" and "Oxford Chemistry Masters." I was also the Founding Editor and currently Editor-in-chief of "Tetrahedron: Asymmetry" (1990-2017). I am also the Editor of the "On Chemistry" Books, and for many years (1989-2017), I was an Executive Editorial Board Member of the "Tetrahedron" family of Journals.
- 7. Over the course of my career, I have received several awards, including the Hickinbottom Fellowship (1984); Pfizer Award for Chemistry (1985); 1984 Corday Morgan Medal, Royal Society of Chemistry (1986); Royal Society of Chemistry Award for Organometallic Chemistry (1987); Pfizer Award for Chemistry (1988); Royal Society of Chemistry Bader Award (1989); Tilden Lecture Award, Royal Society of Chemistry (1996); Royal Society of Chemistry Award in



Stereochemistry (1997); Prize Lectureship of the Society of Synthetic Organic Chemistry, Japan (1998); Distinguished Technopreneur Award, Singapore (2008); Royal Society of Chemistry Perkin Prize for Organic Chemistry (2011); and Doctor Honoris Causa, University of Salamanca, Spain.

I am also the founder of numerous companies including ones focused 8. on the preparation of compounds for potential pharmaceutical use. Along with several others, I founded Oxford Asymmetry, Ltd. in 1992, which became a division of Oxford Asymmetry International plc, with a mission to provide pharmaceutical companies with enantiomerically pure compounds of interest on any desired scale, from small amounts for biological evaluation and research, to commercial quantities. Currently, I am the Founder and Non-executive Chairman of SciInk Ltd. I was also a Non-executive Director of Oxford University Innovation Ltd. I was also the Founder and Non-executive Director of OxStem Ltd., OxStem Neuro Ltd., OxStem Cardio Ltd., OxStem Oncology Ltd., OxStem Ocular Ltd, OxStem Beta Ltd, and OxStem Immuno Ltd. I am also the Founder of Summit Therapeutics plc and Summit Therapeutics Inc., which develops pharmaceutical compounds and has one such compound currently undergoing evaluation after a Phase III clinical trial. I am also the Founder and Non-executive Director of Raphael Laboratories Limited, which is developing prophylactics against airborne respiratory viruses



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