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3:06-CV-00496 KATZ V. AVANIR

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UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF CALIFORNIA

DAVID H. KATZ, M.D.,

Plaintiff,

AVANIR PHARMACEUTICALS,

Defendant.

CASE NO. 06-CV-0496 DMS (LSP)

FIRST AMENDED COMPLAINT

DEMAND FOR JURY TRIAL

For its First Amended Complaint against Avanir Pharmaceuticals ("Avanir"), Plaintiff David H. Katz, M.D. ("Dr. Katz") alleges, avers and states:

THE PARTIES

- 1. Plaintiff Dr. Katz is a resident of California.
- 2. On information and belief, Defendant Avanir is, and at all times referred to in this Complaint was, a corporation organized and existing under the laws of the State of California, with a principal place of business in San Diego, California.

JURISDICTION AND VENUE

3. This is an action under 35 U.S.C. § 256 for correction of inventorship, 28 U.S.C. §§ 2201 and 2202 for declaratory relief, and 35 U.S.C. § 271 for patent infringement. This Court has original jurisdiction under 28 U.S.C. § 1338(a) in that Dr. Katz seeks relief as to United States Patents Nos. 6,271,390, 6,303,645, 6,369,091, 6,759,425, 6,911,462 and 6,919,366, all assigned to Avanir, and U.S. Patent No. 6,270,746 owned by Dr. Katz.



- 4. Avanir does business within, and the conduct complained of herein, occurred within this judicial district. Avanir is subject to the personal jurisdiction of this Court.
 - 5. Venue is proper in this district under 28 U.S.C. § 1391(b) and (c).

GENERAL ALLEGATIONS

- 6. Dr. Katz is a research scientist who has created novel and useful inventions of benefit to the pharmaceutical industry. Dr. Katz is an inventor of the IgE small molecule composition technology that may be used to control the IgE allergic response. This technology is useful in the field of immunology and specifically relates to small molecule drugs that selectively inhibit the IgE antibody molecules responsible for asthma and allergy.
- 7. "IgE" is an acronym for ImmunoGlobulin E, and is one of five classes of antibody proteins called "immunoglobulins" which, in various ways, provide defenses against foreign materials such as bacteria and viruses. Discovered in 1966, IgE is medically significant for its role in producing "allergic" and "asthmatic" reactions when it is produced in excess in the human body.
- 8. Since 1971, Dr. Katz has made numerous contributions towards understanding, evaluating and regulating the IgE response. These accomplishments include: developing and exploring key experimental models for studying allergy; creating the technologies to analyze the IgE antibody molecules; and pursuing large and small molecule therapies to correct the allergy phenotype.
- 9. Dr. Katz's work and discoveries on this technology began during his tenure as a Professor on the Harvard Medical School Faculty in 1971. He continued his research, with the support of federal grants from the NIH, as Chairman of Cellular and Developmental Immunology at the Scripps Research Institute in 1976.
- 10. In 1981, Dr. Katz founded Medical Biology Institute ("MBI"), an independent, non-profit biomedical research institute. MBI was an independent non-profit biomedical research institute (with 501C-3 exemption status) that began operations on March 1, 1982. On that date, the Dr. Katz and Lee R. Katz ("the Katz's) became employees of MBI and, as such, each executed

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an "Invention and Patent Agreement" with MBI ("the MBI Invention Agreement") pursuant to which the Katz's agreed to comply with MBI's "Bylaws of the Staff of Medical Biology Institute" ("the MBI Bylaws") and the "Medical Biology Institute Invention and Patent Policy" ("the MBI Policy"). Section 4 of the MBI Bylaws required "all inventions ... which are conceived or developed by professional personnel during their period of appointment at MBI shall be assigned to MBI."

- 11. Pursuant to 35 U.S.C. § 202(c)(7) and the MBI Policy, MBI was required to share royalties with the inventors of inventions made with Federal agency funding. Further pursuant to 35 U.S.C. § 202(c)(7) and the MBI Policy, MBI was permitted to license (but not to assign) such inventions to any third party without Federal agency approval.
- 12. All of MBI research's was supported by Federal agency funding, including grants from the National Institutes of Health ("NIH"). While employed by MBI, Dr. Katz continued to conduct research in the IgE field he had begun during his tenure at Harvard Medical School. All of the Katzs' inventions in the IgE field, including all of his inventions in the IgE field made while concurrently employed at Lidak, were subject to their prior obligations to MBI pursuant to their MBI Employee Invention Assignment Agreements.
- In 1988, Dr. Katz founded Lidak Pharmaceuticals, Inc. ("Lidak"), a for-profit 13. biotechnology company. Dr. Katz personally provided the "seed financing" for Lidak, and assumed the roles of CEO and Chairman – with his time allocated equally, in and after 1988, between MBI and Lidak.
- 14. From 1988 until 1998, both Dr. Katz and Lee R. Katz were concurrent employees (i.e., "joint employees") of both MBI and Lidak, and their respective duties and obligations to each entity were well-defined and memorialized in written documents. As did all other Lidak employees (joint or otherwise), the Katz's signed an "Employee Invention, Assignment, Patent and Confidential Information Agreement" with Lidak in or about December 1989 ("the Lidak Employee Invention Assignment Agreement"). The Katz's Lidak Employee Invention Assignment Agreements did not supercede their MBI Employee Invention Assignment

- 15. Lidak partnered with MBI to further advance and develop commercial applications for certain of the research and development work conducted by MBI. Specifically, in October 1988, MBI and Lidak entered into a License Agreement under which certain other technologies developed by MBI were licensed to Lidak for potential future development that License Agreement did not include any of the Katz's inventions in the IgE field.
- of Lidak, and there was no relationship between the Katz's NIH-supported IgE research at MBI and the Katz's activities on behalf of Lidak for many years after the MBI-Lidak cooperation began. However, in about 1997, MBI concluded that its research in the IgE field had reached a stage of potential commercialization. Under the terms of the existing MBI-Lidak License Agreement, MBI agreed to license a small portion of the Katz's research and inventions in the IgE field to Lidak. The licensed inventions related solely to small molecule therapeutic investigations for treatment of allergy.
- 17. For another ten years, Dr. Katz invested his time, energy and personal finances into Lidak as Chief Executive Officer, before his departure on March 4, 1998. On or about November 20, 1998, Lidak Pharmaceuticals was renamed Avanir Pharmaceuticals.
- 18. On May 7, 1998, in accordance with the MBI Bylaws and MBI Policy, Dr. Katz's caused U.S. patent application No. 09/074,722 ("the '722 application") to be submitted to the United States Patent & Trademark Office ("USPTO") on behalf of MBI naming Dr. Katz, Mark L. Richards, John F. Marcelletti, Lee R. Katz and Jagdisch Sircar as co-inventors. The '722 application was directed to the work on small molecule technology for regulating the IgE allergic response conducted by MBI, and funded in large measure by federal grants from NIH. On September 10, 1999, U.S. patent application Serial No. 09/394,364 ("the '364 application"), also naming Dr. Katz, Dr. Richards, Dr. Marceletti, and Mrs. Katz as the co-inventors, was filed as a continuation-in-part application of the '722 application.

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- 19. On April 30, 1998, Dr. Katz filed a lawsuit against Lidak and certain of the 2 company's officers and directors, who cross-complained against Dr. Katz. The case was tried in 3 1999 and resulted in verdicts for both sides. Dr. Katz was not permitted at that trial to testify regarding his obligations to MBI or his rights in the IgE technology, including royalty rights, 4 5 arising under the MBI Bylaws and MBI Policy. After trial, counsel for Dr. Katz submitted posttrial motions directed to several issues that were decided in Lidak's favor, including ownership of 6 7 the IgE work conducted by MBI. In an effort to avoid further litigation, the parties entered into a 8 Settlement Agreement on March 23, 2000, resolving all issues between them. 9 20. 10
 - In accordance with the terms of the Settlement Agreement, Dr. Katz "assigned" the '722 and '364 applications to Avanir. As a material condition for this agreement, Avanir agreed to recognize Dr. Katz as an inventor of the IgE small molecule technology described in the '722 and '364 applications. In connection with the Settlement Agreement, the Katz's relied upon the representations of Avanir and its counsel that Avanir had obtained the required Federal agency approvals for the transfers contemplated in the Settlement Agreement, and that Avanir would comply with the applicable provisions of 35 U.S.C. § 202 by acknowledging Federal government rights in those inventions honoring the applicable royalty provisions of the MBI Policy. Upon information and belief, Avanir knew at that time that those representations were false, and made those misrepresentations to fraudulently induce the Katz's to enter into the Settlement Agreement. The Katz's justifiably relied on Avanir's misrepresentations in entering into the Settlement Agreement.
 - 21. Avanir subsequently abandoned the '722 and '364 applications. Instead, Avanir included the inventions described and claimed in the '722 and '364 applications in a series of subsequently filed patent applications, including U.S. patent application Serial Nos. 09/316,870, filed May 21, 1999 ("the '870 application"); 09/422,397, filed October 21, 1999 ("the '397 application"); 09/422,304, filed October 21, 1999 ("the '304 application"); 09/983,054, filed October 16, 2001 ("the '054 application"); 10/090,044, filed February 27, 2002 ("the '044 application"); and 10/103,258, filed March 20, 2002 ("the '258 application"). In breach of the

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Settlement Agreement, and in violation of applicable provisions of the Patent Law, Avanir omitted Dr. Katz as a co-inventor of those applications.

- 22. Upon information and belief, Avanir did not intend to recognize Dr. Katz's contribution as an inventor of the IgE Technology claimed in the '722 and '364 applications at the time the Settlement Agreement was executed. Upon information and belief, Avanir knew at that time that Avanir would pursue patent applications directed to the inventions claimed in the '364 and '722 applications, and that Avanir would not recognize Dr. Katz as contributing to those inventions. Upon information and belief, Avanir misrepresented that it would comply with Section 1.5 of the Settlement Agreement to fraudulently induce the Katz's to enter into that agreement. The Katz's justifiably relied on Avanir's misrepresentations with respect to Section 1.5 of the Settlement Agreement in entering into that agreement.
- 23. The '870 application, entitled "Suppression of the IGE-Dependent Allergic Response by Benzimidazole Analogs" issued as U.S. Patent No. 6,271,390 ("the '390 patent") to Avanir on August 7, 2001. The '390 patent (attached as Exhibit A) describes and claims various compounds for use in treating or preventing an allergic reaction caused by an increase in plasma IgE levels, including compounds described and claimed for such use in the '722 and '364 applications that were co-invented by Dr. Katz.
- 24. The '397 application, entitled "Benzimidazole Derivatives As Modulators of IGE" issued as U.S. Patent No. 6,303,645 ("the '645 patent") to Avanir on October 16, 2001. The '645 patent (attached as Exhibit B) describes and claims pharmaceutical compositions for treating or preventing an allergic reaction associated with increased IgE levels, including compositions described and claimed for such use in the '722 and '364 applications that were co-invented by Dr. Katz.
- 25. The '304 application, entitled "Benzimidazole Analogs as Down-Regulators of IgE" issued as U.S. Patent No. 6,369,091 ("the '091 patent") to Avanir on April 9, 2002. The '091 patent (attached as Exhibit C) describes and claims pharmaceutical compositions for treating or preventing an allergic reaction associated with increased IgE levels, including compositions

described and claimed for such use in the '722 and '364 applications that were co-invented by Dr. Katz.

- 26. The '054 application, entitled "Benzimidazole Derivatives As Modulators of IGE" issued as U.S. Patent No. 6,919,366 ("the '366 patent") to Avanir on July 19, 2005. The '366 patent (attached as Exhibit D) describes and claims pharmaceutical compositions for treating an allergic reaction associated with increased IgE levels, including compositions described and claimed for such use in the '722 and '364 applications that were co-invented by Dr. Katz.
- 27. The '044 application, entitled "Benzimidazole Compounds For Modulating IgE And Inhibiting Cellular Proliferation" issued as U.S. Patent No. 6,759,425 ("the '425 patent") to Avanir on July 4, 2004. The '425 patent (attached as Exhibit E) describes and claims pharmaceutical compositions for treating an allergic reaction associated with increased IgE levels, including compositions described and claimed for such use in the '722 and '364 applications that were co-invented by Dr. Katz.
- 28. The '258 application, entitled "Benzimidazole Compounds For Regulating IGE" issued as U.S. Patent No. 6,911,462 ("the '462 patent") to Avanir on June 28, 2005. The '462 patent (attached as Exhibit F) describes and claims pharmaceutical compositions for treating an allergic reaction associated with increased IgE levels, including compositions described and claimed for such use in the '722 and '364 applications that were co-invented by Dr. Katz.
- 29. Avanir's failure to name Dr. Katz as an inventor on the '390, '645, '091, 366 '425 and '462 patents constitutes a material breach of the Settlement Agreement. Because Dr. Katz was fraudulently induced by Avanir to enter into the Settlement Agreement by Avanir's misrepresentations, and Dr. Katz justifiably relied on Avanir's misrepresentations in entering into the Settlement Agreement, Dr. Katz is entitled to rescission of the Settlement Agreement.
- 30. U.S. patent application Serial No. 09/251,175, entitled "Assay For The Identification Of IgE Antibody Suppressors," was filed on February 17, 1999, naming Dr. Katz as the sole inventor. This application was duly and legally issued as U.S. Patent No. 3,270,746 ("the '746 Patent") on August 7, 2001. A copy of the '746 patent is attached as Exhibit G. The claims of the '746 patent are directed to a screening method for identifying agents having IgE suppressor

activity in living experimental animals.. The methods described and claimed in the '746 patent provide an early and "immediate" tool for evaluating the potential clinical toxicity of an active IgE suppressor compound, since the health and continued viability of the test animal may be readily ascertained. The method claimed in the '746 patent constitutes an advance over previously known tests for anti-allergic activity, such as those which rely on acute examination of lung responses, as such previously known tests require that the animal be immediately euthanised before potential whole animal toxicity could be observed.

- 31. The assay methods described in the '746 Patent do not fall within the scope of ("the IgE Technology") defined in the Settlement Agreement, which is expressly defined as "the small molecule composition technology" claimed in the '722 and '364 applications. Moreover, because the inventions claimed in the '746 Patent were made in the course of Federally sponsored research conducted at MBI, those inventions were subject to Dr. Katz's obligations under the MBI Invention Agreement, and accordingly Lidak obtained no interest in the '746 Patent by operation of the Lidak Employee Invention Assignment Agreement.
- 32. Upon information and belief, Avanir claims in the alternative that if it did not obtain title to the '746 Patent pursuant to the Settlement Agreement, then it obtained title to the '746 Patent by virtue of a Settlement Agreement and Mutual General Release ("MBI-Lidak Settlement Agreement") entered into in September 1998, between Lidak and MBI, under which "the Institute will deliver an Assignment to Lidak of all right, title and interest in any IgE technology for which it possesses any property rights of any nature whatsoever." Upon information and belief, neither Avanir nor MBI ever obtained the required Federal agency approvals for the technology transfers contemplated, and agreed upon, in the MBI-Lidak Settlement Agreement, and thus that agreement is both illegal and void.
- 33. Upon information and belief, Avanir has screened for identifying agents having IgE suppressor activity in vivo in animals in its research and development work.
- 34. Upon information and belief, Avanir has practiced the screening method for identifying agents having IgE suppressor activity claimed in the '746 Patent.

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(For Correction of Inventorship)

FIRST CLAIM FOR RELIEF

- 35. Dr. Katz realleges and incorporates by reference the allegations set forth in paragraphs 1 through 34 above as though set forth in full.
- 36. Avanir's '390, '645, '091, 366 '425 and '462 patents describe and claim inventions co-invented by Dr. Katz.
- 37. Avanir's '390, '645, '091, 366 '425 and '462 patents do not name Dr. Katz as an inventor.
- 38. Pursuant to 35 U.S.C. §111, Avanir was obligated to name Dr. Katz as an inventor of the applications maturing as the '390, '645, '091, 366 '425 and '462 patents.
- 39. Dr. Katz is entitled to correct inventorship of the '390, '645, '091, 366 '425 and '462 patents under 35 U.S.C. § 256.
- 40. Correction of Avanir's '390, '645, '091, 366 '425 and '462 patents to include Dr. Katz as an inventor is necessary to reflect the true inventorship of the inventions described and claimed in those applications.

SECOND CLAIM FOR RELIEF

(For Assignment of Intellectual Property to Dr. Katz)

- 41. Dr. Katz realleges and incorporates by reference the allegations set forth in paragraphs 1 through 40 above as though set forth in full.
- 42. In accordance with the terms of the Settlement Agreement, Avanir was obligated to recognize Dr. Katz as the inventor of the inventions described and claimed in the '722 and '364 applications. The Patent Law imposed an obligation on Avanir to recognize Dr. Katz as the inventor of the inventions described and claimed in the '722 and '364 applications, regardless whether those applications were prosecuted to issuance or those inventions were described and claimed in any other application pursued by Avanir.
- 43. Avanir breached the Settlement Agreement by failing to name Dr. Katz as an inventor on the '390, '645, '091, 366 '425 and '462 patents.

- 44. Dr. Katz's assignment of the inventions described and claimed in the '722 and '364 applications was premised upon Avanir's agreement to perform its contractual duties under the Settlement Agreement.
- 45. Dr. Katz is entitled to a declaration that Avanir has breached the Settlement Agreement by failing to recognize Dr. Katz as an inventor of the inventions described and claimed in the '390, '645, '091, 366 '425 and '462 patents.
- 46. Dr. Katz, as the successor-in-interest to MBI, is entitled to recover title to the inventions described and claimed in the '722 and '364 applications previously filed on behalf of MBI, as manifested in the '390, '645, '091, 366 '425 and '462 patents.

THIRD CLAIM FOR RELIEF

(For Infringement of the '746 Patent)

- 47. Dr. Katz realleges and incorporates by reference the allegations set forth in paragraphs 1 through 46 above as though set forth in full.
 - 48. Dr. Katz is the owner of the '746 Patent.
- 49. Upon information and belief, Avanir has practiced the inventions claimed in the '746 Patent.
 - 50. Avanir has infringed the '746 Patent.
 - 51. Avanir's infringement of the '746 Patent was willful.
 - 52. Dr. Katz is entitled to damages based on Avanir's infringement of the '746 Patent.
- 53. Dr. Katz is entitled to treble damages based on Avanir's willful infringement of the '746 Patent.
- 54. Dr. Katz is entitled to reasonable attorney's fees based on Avanir's willful infringement of the '746 Patent.

FOURTH CLAIM FOR RELIEF

(For Rescission Based on Fraudulent Inducement)

- 55. Dr. Katz realleges and incorporates by reference the allegations set forth in paragraphs 1 through 54 above as though set forth in full.
- 56. Upon information and belief, Avanir induced Dr. Katz to enter into the Settlement Agreement by knowingly misrepresenting to Dr. Katz that Avanir had obtained the required Federal agency approvals for the transfers contemplated in the Settlement Agreement, and that Avanir would comply with the applicable provisions of 35 U.S.C. § 202, including acknowledging Federal government rights in the inventions claimed in the '722 and '364 applications and honoring the applicable royalty provisions of the MBI Policy.
- 57. Upon information and belief, Avanir knew at that time that those representations were false, and made those misrepresentations to fraudulently induce Dr. Katz and Lee R. Katz to enter into the Settlement Agreement. The Katz's justifiably relied on Avanir's misrepresentations in entering into the Settlement Agreement.
- 58. Upon information and belief, Avanir did not then, and has never, obtained appropriate Federal agency approvals to support the transfers of the '722 and '364 applications set forth in the Settlement Agreement, and Avanir has neither acknowledged Federal agency rights in those inventions nor honored the applicable royalty provisions of the MBI Policy.
- 59. Further upon information and belief, Avanir did not intend to recognize Dr. Katz's contribution as an inventor of the IgE Technology claimed in the '722 and '364 applications at the time the Settlement Agreement was executed. Upon information and belief, Avanir knew at that time that Avanir would pursue patent applications directed to the inventions claimed in those applications, and that Avanir would not recognize Dr. Katz as contributing to those inventions.
- 60. Consistent with that prior knowledge, Avanir failed to name Dr. Katz as an inventor on the '390, '645, '091, 366 '425 and '462 patents.
- 61. Upon information and belief, Avanir misrepresented that it would comply with Section 1.5 of the Settlement Agreement to fraudulently induce the Katz's to enter into that