

ASSIGNMENT

WHEREAS, we, **Mark A. Demitrack, of Chesterbrook, Pennsylvania;** and **Michael S. Kramer, of Chesterbrook, Pennsylvania;** hereinafter referred to as the ASSIGNORS, have invented a certain invention in the patent application entitled “**METHODS OF TREATING EPILEPSY USING THE SAME,**” for which an application for Letters Patent of the United States has been made, said application having been assigned Application Serial No. **PCT/US2020/049147;** filed **September 3, 2020;** and

WHEREAS, **Trevena, Inc.,** hereinafter referred to as the ASSIGNEE, of **955 Chesterbrook Blvd, Suite 110, Chesterbrook, Pennsylvania, 19087,** a corporation of **Delaware,** is desirous of acquiring our entire right, title and interest in and to said inventions or improvements and in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, said ASSIGNORS, intending to be legally bound, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said inventions and/or improvements and said application and any and all non-provisional applications, international applications, or foreign patent applications, continuations, continuation-in-parts, divisions, and renewals of and substitutes for said application and to and under any and all additional Letters Patent which may be granted on or as a result thereof in the United States, and any reissue or reissues or extension or extensions of said Letters Patent, and the entire right, title, and interest in

said invention and/or improvements for all foreign countries and jurisdictions including, but not limited to, United Arab Emirates, Antigua and Barbuda, Albania, Armenia, Angola, Austria, Australia, Azerbaijan, Bosnia and Herzegovina, Barbados, Belgium, Burkina Faso, Bulgaria, Bahrain, Benin, Brunei Darussalam, Brazil, Botswana, Belarus, Belize, Canada, Central African Republic, Congo, Switzerland, Côte d'Ivoire, Chile, Cameroon, China, Colombia, Costa Rica, Cuba, Cyprus, Czechia, Germany, Djibouti, Denmark, Dominica, Dominican Republic, Algeria, Ecuador, Estonia, Egypt, Spain, Finland, France, Gabon, United Kingdom, Grenada, Georgia, Ghana, Gambia, Guinea, Equatorial Guinea, Greece, Guatemala, Guinea-Bissau, Honduras, Croatia, Hungary, Indonesia, Ireland, Israel, India, Iran (Islamic Republic of), Iceland, Italy, Jordan, Japan, Kenya, Kyrgyzstan, Cambodia, Comoros, Saint Kitts and Nevis, Democratic People's Republic of Korea, Republic of Korea, Kuwait, Kazakhstan, Lao People's Democratic Republic, Saint Lucia, Liechtenstein, Sri Lanka, Liberia, Lesotho, Lithuania, Luxembourg, Latvia, Libya, Morocco, Monaco, Republic of Moldova, Montenegro, Madagascar, The former Yugoslav Republic of Macedonia, Mali, Mongolia, Mauritania, Malta, Malawi, Mexico, Malaysia, Mozambique, Namibia, Niger, Nigeria, Nicaragua, Netherlands, Norway, New Zealand, Oman, Panama, Peru, Papua New Guinea, Philippines, Poland, Portugal, Qatar, Romania, Serbia, Russian Federation, Rwanda, Saudi Arabia, Seychelles, Sudan, Sweden, Singapore, Slovenia, Slovakia, Sierra Leone, San Marino, Senegal, Sao Tome and Principe, El Salvador, Syrian Arab Republic, Eswatini, Chad, Togo, Thailand, Tajikistan, Turkmenistan, Tunisia, Turkey, Trinidad and Tobago, United Republic of Tanzania, Ukraine, Uganda, Uzbekistan, Saint Vincent and the Grenadines, Viet Nam, South Africa, Zambia, Zimbabwe, the member states of, either collectively or individually, the European Patent Organization (EPO), the

Gulf Cooperation Council (GCC), the Eurasian Patent Organization (EAPO), the African Regional Intellectual Property Organization (ARIPO), including all priority rights under the Paris Convention, or other applicable statutes or treaties, and agree to execute, at the request of said ASSIGNEE or its assignees, all documents in connection with any application for domestic and foreign Letters Patent therefore, and the full right to sue for and recover all profits and damages recoverable for past infringement of the same, and the right to claim priority, and assign to and authorize said ASSIGNEE to file in our names applications for Letters Patent in the United States and all foreign countries, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey our entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its

successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE, its successors, assigns, nominees, or legal representatives.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as assignee of our entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this ASSIGNMENT.

This ASSIGNMENT may be executed in two or more counterparts all of which, when taken together, shall be considered one and the same agreement and shall become effective when all parties have signed the ASSIGNMENT, it being understood that all signatories need not sign the same counterpart. Electronically signed and/or electronically transmitted signatures shall have the full force and effect of an original signature. If any signature is delivered by facsimile transmission or by e-mail delivery of a "pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or "pdf" signature page were an original thereof.

AND if the invention requires a biological deposit, ASSIGNORS also grant to ASSIGNEE such control over any deposit made by ASSIGNORS as may be necessary to the validity of the patent rights assigned herein.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

DOCKET NO. 138851.02702

PATENT APPLICATION
Inventors - Witness

Dated: 07 Jan, 2021



Mark A. Demitrack

STATEMENT OF WITNESS

SIGNED at West Chester USA
(City) (Country)

This 7th day of January, 2021.

I, Lucy B. Demitrack, whose full residence address is
608 Dean Street
West Chester PA 19382, was

personally present and did see **Mark A. Demitrack** execute the above ASSIGNMENT on the
7th day of January, 2021, and such ASSIGNOR is personally known to
me to be the person described in such document.


Signature of Witness

DOCKET NO. 138851.02702

PATENT APPLICATION
Inventors - Witness

Dated: 16 Dec, 2020

Michael S. Kramer

Michael S. Kramer

STATEMENT OF WITNESS

SIGNED at

Harleysville

(City)

USA

(Country)

This

16

day of

Dec

, 2020.

I,

Deleen M. Kramer

, whose full residence address is

227 Summerland Lane, Harleysville, PA, 19438

, was

personally present and did see **Michael S. Kramer** execute the above ASSIGNMENT on the
16 day of Dec, 2020, and such ASSIGNOR is personally known to
me to be the person described in such document.

Deleen M. Kramer
Signature of Witness

DOCKET NO. 138851.02702

PATENT APPLICATION
Inventors - Witness

Dated: JANUARY 8, 2021


Trevana, Inc.

SCOTT APPLEBAUM

By:

CHIEF LEGAL OFFICER

Title:

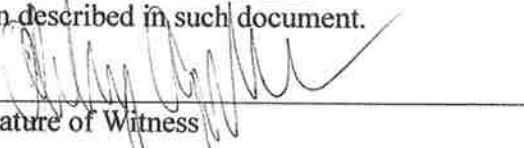
STATEMENT OF WITNESS

SIGNED at PHILADELPHIA, PA USA
(City) (Country)

This 8th day of JANUARY, 2021.

I, ABBY APPLEBAUM, whose full residence address is
210 W. RITTENHOUSE SQ, APT. 2705
PHILADELPHIA, PA 19103, was

personally present and did see SCOTT APPLEBAUM, execute the above
ASSIGNMENT on the 8th day of JANUARY, 2021, and such ASSIGNOR
is personally known to me to be the person described in such document.


Signature of Witness