

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7102446

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EXPANSE BIOINFORMATICS, INC.	10/28/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	23ANDME, INC.
<b>Street Address:</b>	223 N. MATHILDA AVE
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94086
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12207720
<b>Application Number:</b>	11968998
<b>Application Number:</b>	12031669
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)913-0002
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	312-913-0001
<b>Email:</b>	lagiglio@mbhb.com
<b>Correspondent Name:</b>	MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP
<b>Address Line 1:</b>	300 SOUTH WACKER DRIVE
<b>Address Line 2:</b>	3100
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>NAME OF SUBMITTER:</b>	MICHAEL S. BORELLA
<b>SIGNATURE:</b>	/Michael S. Borella/
<b>DATE SIGNED:</b>	01/04/2022
<b>Total Attachments: 5</b>	
source=ExpTo23andMeAssignment#page1.tif	
source=Confirmatory Assignment Exhibit A#page1.tif	
source=Confirmatory Assignment Exhibit A#page2.tif	
source=Confirmatory Assignment Exhibit A#page3.tif	



## ASSIGNMENT AGREEMENT

This Assignment Agreement ("Assignment") is made effective as of the last date of its execution below ("Effective Date"), by and between EXPANSE BIOINFORMATICS, INC., a Delaware Corporation ("Assignor"), and 23andMe, Inc., a Delaware Corporation ("Assignee").

### RECITALS:

WHEREAS, contemporaneously herewith, Assignor and Assignee are entering into a Patent Rights Purchase and Assignment Agreement (the "Agreement");

WHEREAS, pursuant to the Agreement, Assignor has agreed to assign to Assignee all of Assignor's right, title, and interest in and to the patents listed in EXHIBIT A (hereinafter referred to as the "Patents").

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor and Assignee hereby agree as follows:

### ASSIGNMENT:

1. Assignor hereby assigns to Assignee its entire right, title, and interest in and to the Patents, including, without limitation, the right to prosecute lawsuits, issue licenses and receive all damages, royalties, awards and compensation for past, present and/or future infringement of the Patents.

2. This Assignment is made upon the terms and conditions set forth in the Agreement and without any additional representations, warranties or undertakings of any kind.

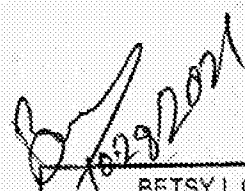
The undersigned having read this Assignment and fully understanding the provisions of this Assignment, hereby executes this Assignment as of the Effective Date.

### ASSIGNOR:

EXPANSE BIOINFORMATICS, INC.  
a Delaware Corporation

By: 

Name: CHARLES N SCORING  
Title: PRESIDENT  
Date: 28OCT21

  
BETSY I. CASTILLO  
NOTARY PUBLIC, STATE OF NEW YORK  
Registration No. 01CA6250884  
Qualified in Kings County  
Commission Expires April 28, 2024

## CONFIRMATORY ASSIGNMENT EXHIBIT A

<u>Appl. No.</u>	<u>Patent No.</u>	<u>Status</u>	<u>Title</u>
12/207,720	7,917,438	Granted	System for secure mobile healthcare selection
11/968,998	7,933,912	Granted	Compiling co-associating bioattributes using expanded bioattribute profiles
12/031,669	7,941,434	Granted	Efficiently compiling co-associating bioattributes
12/048,196	7,941,329	Granted	Insurance optimization and longevity analysis
13/361,533	9,031,870	Granted	Pangenetic web user behavior prediction system
13/346,322	9,170,992	Granted	Treatment determination and impact analysis
12/878,748	8,055,643	Granted	Predisposition modification
11/747,913	8,051,033	Granted	Predisposition prediction using attribute combinations
12/912,174	8,065,324	Granted	Weight and diet attribute combination discovery
12/048,194	8,099,424	Granted	Treatment determination and impact analysis
12/346,738	8,108,406	Granted	Pangenetic web user behavior prediction system
13/079,601	8,185,461	Granted	Longevity analysis and modifiable attribute identification
12/207,671	8,200,509	Granted	Masked data record access
12/853,062	8,209,319	Granted	Compiling co-associating bioattributes
13/208,488	8,224,835	Granted	Expanding attribute profiles
12/346,721	8,255,403	Granted	Pangenetic web satisfaction prediction system
13/037,834	8,326,648	Granted	System for secure mobile healthcare selection
12/346,707	8,386,519	Granted	Pangenetic web item recommendation system
13/301,209	9,582,647	Granted	Attribute combination discovery for predisposition determination
13/485,381	8,452,619	Granted	Masked data record access
13/272,737	8,458,121	Granted	Predisposition prediction using attribute combinations
13/037,917	8,458,097	Granted	System, method and software for healthcare selection based on pangenetic data
12/049,330	8,606,761	Granted	Lifestyle optimization and behavior modification
13/538,457	8,655,899	Granted	Attribute method and system
13/272,773	8,655,908	Granted	Predisposition modification
13/742,895	8,655,915	Granted	Pangenetic web item recommendation system
13/464,554	8,788,283	Granted	Modifiable attribute identification

11/957,440	7,797,302	Granted	Compiling co-associating bioattributes
14/887,688	10,379,812	Granted	Treatment determination and impact analysis
15/927,785	10,803,134	Granted	Computer implemented identification of genetic similarity
17/004,911	10,896,233	Granted	Computer implemented identification of genetic similarity
17/004,494	10,957,455	Granted	Computer implemented identification of genetic similarity
16/151,721		Pending	Attribute identification based on seeded learning
15/999,198	11,003,694	Granted	Learning systems for pangenetic-based recommendations
16/814,243		Pending	Attribute combination discovery for predisposition determination
16/519,295	10,991,467	Granted	Treatment determination and impact analysis
17/175,995		Pending	Computer Implemented Identification of Genetic Similarity
17/212,596		Pending	Treatment determination and impact analysis
17/212,906		Pending	Learning system for pangenetic-based recommendations
63/170,276		Pending	Treatment Recommendations Based on Correlations with Genetic Variants

60/895,236		Expired	Identification of co-occurring attributes
11/969,027	8,788,286	Expired	Side effects prediction using co-associating bioattributes
11/848,974	7,818,310	Expired	Predisposition modification
11/746,380	7,844,609	Expired	Attribute combination discovery
11/835,803	8,024,348	Expired	Expanding attribute profiles
62/433,854		Abandoned	Automated skin measurement, diagnostic and matching system
11/746,373		Abandoned	Creation of attribute combination databases
11/746,364		Abandoned	Creation of attribute combination databases
11/746,395		Abandoned	Attribute combination discovery
11/747,912		Abandoned	Attribute prediction using attribute combinations
11/750,516		Abandoned	Destiny modification using attribute combinations
11/750,522		Abandoned	Predisposition modification using attribute combinations
11/835,783		Abandoned	Predicting side effect attributes

11/865,388		Abandoned	Genetic attribute analysis
11/835,794		Abandoned	Creation of attribute combination databases using expanded attribute profiles
11/835,839		Abandoned	Determining attribute associations using expanded attribute profiles
11/957,441		Abandoned	Compiling co-associating bioattributes
11/957,443		Abandoned	Identifying co-associating bioattributes
11/968,990		Abandoned	Identifying co-associating bioattributes
11/953,994		Abandoned	Predisposition prediction using co-associating bioattributes
11/957,444		Abandoned	Predisposition prediction using co-associating bioattributes
13/079,576		Abandoned	Efficiently determining condition relevant modifiable lifestyle attributes
11/972,640		Abandoned	Predisposition modification using co-associating bioattributes
11/972,642		Abandoned	Predisposition modification using co-associating bioattributes
11/957,446		Abandoned	Genetic attribute analysis
12/962,188		Abandoned	Compiling co-associating bioattributes using expanded bioattribute profiles
11/969,012		Abandoned	Expanding bioattribute profiles
11/972,643		Abandoned	Determining bioattribute associations using expanded bioattribute profiles
12/031,671		Abandoned	Efficiently compiling co-associating attributes
12/047,193		Abandoned	Attribute method and system
12/047,203		Abandoned	Individual identification by attribute
12/048,193		Abandoned	Diagnosis determination and strength and weakness analysis
12/048,195		Abandoned	Goal achievement and outcome prevention
12/049,332		Abandoned	Career selection and psychological profiling
13/534,952		Abandoned	Career selection and psychological profiling
12/207,682		Abandoned	Masked data transaction database
12/207,700		Abandoned	Method for secure mobile healthcare selection
12/207,764		Abandoned	Masked data service profiling
12/207,798		Abandoned	Masked data service selection
12/207,823		Abandoned	Masked data provider profiling

12/207,852		Abandoned	Masked data provider selection
12/346,611		Abandoned	Pangenetic web item feedback system
12/346,679		Abandoned	Pangenetic web search system
12/346,761		Abandoned	Mobile device for pangenetic web
14/708,415		Abandoned	Pangenetic web user behavior prediction system
15/297,208		Abandoned	Career selection and psychological profiling
14/822,023		Abandoned	Individual identification by attribute
15/443,739		Abandoned	Attribute combination discovery for predisposition determination