

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 <h2 style="text-align: center;">2024</h2> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

A This return/report is for: a multiemployer plan a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.)

a single-employer plan a DFE (specify) _____

B This return/report is: the first return/report the final return/report

an amended return/report a short plan year return/report (less than 12 months)

C If the plan is a collectively-bargained plan, check here.

D Check box if filing under: Form 5558 automatic extension the DFVC program

special extension (enter description)

E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.

Part II	Basic Plan Information—enter all requested information
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1a Name of plan <u>BIONANO GENOMICS, INC. HEALTH & WELFARE PLAN</u>	1b Three-digit plan number (PN) ▶ <u>501</u>
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>BIONANO GENOMICS, INC.</u> <u>9640 TOWNE CENTRE DRIVE, SUITE 100</u> <u>SAN DIEGO, CA 92121</u>	1c Effective date of plan <u>01/01/2021</u> 2b Employer Identification Number (EIN) <u>26-1756290</u> 2c Plan Sponsor's telephone number <u>858-888-7694</u> 2d Business code (see instructions) <u>541700</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	07/07/2025	CORY KREECK
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	3b Administrator's EIN	
	3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN	
	4d PN	
5 Total number of participants at the beginning of the plan year	5	222
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6a(1)	222
	6a(2)	80
	6b	11
	6c	6
	6d	97
	6e	
	6f	
	6g(1)	
6g(2)		
6h		
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7	0

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:
4A 4B 4D 4E 4F 4H 4L 4R

9a Plan funding arrangement (check all that apply)	9b Plan benefit arrangement (check all that apply)
(1) <input checked="" type="checkbox"/> Insurance	(1) <input checked="" type="checkbox"/> Insurance
(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts	(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts
(3) <input type="checkbox"/> Trust	(3) <input type="checkbox"/> Trust
(4) <input checked="" type="checkbox"/> General assets of the sponsor	(4) <input checked="" type="checkbox"/> General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules	b General Schedules
(1) <input type="checkbox"/> R (Retirement Plan Information)	(1) <input type="checkbox"/> H (Financial Information)
(2) <input type="checkbox"/> MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary	(2) <input type="checkbox"/> I (Financial Information – Small Plan)
(3) <input type="checkbox"/> SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	(3) <input checked="" type="checkbox"/> A (Insurance Information) – Number Attached <u>3</u>
(4) <input type="checkbox"/> DCG (Individual Plan Information) – Number Attached _____	(4) <input type="checkbox"/> C (Service Provider Information)
(5) <input type="checkbox"/> MEP (Multiple-Employer Retirement Plan Information)	(5) <input type="checkbox"/> D (DFE/Participating Plan Information)
	(6) <input type="checkbox"/> G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) Yes No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) Yes No

11c Enter the Receipt Confirmation Code for the 2024 Form M-1 annual report. If the plan was not required to file the 2024 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

<p>SCHEDULE A (Form 5500)</p> <p>Department of the Treasury Internal Revenue Service</p> <hr/> <p>Department of Labor Employee Benefits Security Administration</p> <hr/> <p>Pension Benefit Guaranty Corporation</p>	<p>Insurance Information</p> <p>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</p> <p>▶ File as an attachment to Form 5500.</p> <p>▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).</p>	<p>OMB No. 1210-0110</p> <hr/> <p>2024</p> <hr/> <p>This Form is Open to Public Inspection</p>
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For calendar plan year 2024 or fiscal plan year beginning **01/01/2024** and ending **12/31/2024**

<p>A Name of plan BIONANO GENOMICS, INC. HEALTH & WELFARE PLAN</p>	<p>B Three-digit plan number (PN) ▶</p>	<p>501</p>
<p>C Plan sponsor's name as shown on line 2a of Form 5500 BIONANO GENOMICS, INC.</p>	<p>D Employer Identification Number (EIN) 26-1756290</p>	

Part I Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.

1 Coverage Information:

(a) Name of insurance carrier
FEDERAL INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
13-1963496	20281	9907-8867	80	11/01/2023	10/31/2024

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

<p>(a) Total amount of commissions paid 1534</p>	<p>(b) Total amount of fees paid 2046</p>
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
REUBEN WARNER ASSOCIATES, INC. 1655 RICHMOND AVENUE STATEN ISLAND, NY 10314

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
0	2046	STRAIGHT FEE	3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
GALLAGHER BENEFIT SERVICES, INC. 505 NORTH BRAND BOULEVARD 6TH FLOOR GLENDALE, CA 91203

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
1534	0		3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information
 Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	
5 Current value of plan's interest under this contract in separate accounts at year end.....	5	

6 Contracts With Allocated Funds:

a State the basis of premium rates ▶

b Premiums paid to carrier **6b**

c Premiums due but unpaid at the end of the year **6c**

d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. **6d**
 Specify nature of costs ▶

e Type of contract: (1) individual policies (2) group deferred annuity
 (3) other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) deposit administration (2) immediate participation guarantee
 (3) guaranteed investment (4) other ▶

b Balance at the end of the previous year **7b**

c Additions: (1) Contributions deposited during the year **7c(1)**
 (2) Dividends and credits..... **7c(2)**
 (3) Interest credited during the year..... **7c(3)**
 (4) Transferred from separate account **7c(4)**
 (5) Other (specify below)..... **7c(5)**
 ▶

(6) Total additions **7c(6)**

d Total of balance and additions (add lines **7b** and **7c(6)**) **7d**

e Deductions:
 (1) Disbursed from fund to pay benefits or purchase annuities during year **7e(1)**
 (2) Administration charge made by carrier..... **7e(2)**
 (3) Transferred to separate account **7e(3)**
 (4) Other (specify below)..... **7e(4)**
 ▶

(5) Total deductions **7e(5)**

f Balance at the end of the current year (subtract line **7e(5)** from line **7d**)..... **7f**

Part III Welfare Benefit Contract Information
 If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** Health (other than dental or vision)
 b Dental
 c Vision
 d Life insurance
e Temporary disability (accident and sickness)
 f Long-term disability
 g Supplemental unemployment
 h Prescription drug
i Stop loss (large deductible)
 j HMO contract
 k PPO contract
 l Indemnity contract
m Other (specify) ▶ **BUSINESS TRAVEL ACCIDENT**

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)	
(2) Increase (decrease) in amount due but unpaid	9a(2)	
(3) Increase (decrease) in unearned premium reserve	9a(3)	
(4) Earned ((1) + (2) - (3))		9a(4)
b Benefit charges (1) Claims paid	9b(1)	
(2) Increase (decrease) in claim reserves	9b(2)	
(3) Incurred claims (add (1) and (2))		9b(3)
(4) Claims charged		9b(4)
c Remainder of premium: (1) Retention charges (on an accrual basis) --		
(A) Commissions	9c(1)(A)	
(B) Administrative service or other fees	9c(1)(B)	
(C) Other specific acquisition costs	9c(1)(C)	
(D) Other expenses	9c(1)(D)	
(E) Taxes	9c(1)(E)	
(F) Charges for risks or other contingencies	9c(1)(F)	
(G) Other retention charges	9c(1)(G)	
(H) Total retention		9c(1)(H)
(2) Dividends or retroactive rate refunds. (These amounts were <input type="checkbox"/> paid in cash, or <input type="checkbox"/> credited.)		9c(2)
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)
(2) Claim reserves		9d(2)
(3) Other reserves		9d(3)
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	10228
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? Yes No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

DID NOT PROVIDE THE APPROXIMATE NUMBER OF PERSONS COVERED.

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

GALLAGHER BENEFIT SERVICES, INC.

TWO PIERCE PLACE
ITASCA, IL 60143

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
3920	0		3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information
 Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	
5 Current value of plan's interest under this contract in separate accounts at year end.....	5	

6 Contracts With Allocated Funds:

a State the basis of premium rates ▶

b Premiums paid to carrier **6b**

c Premiums due but unpaid at the end of the year **6c**

d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. **6d**
 Specify nature of costs ▶

e Type of contract: (1) individual policies (2) group deferred annuity
 (3) other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) deposit administration (2) immediate participation guarantee
 (3) guaranteed investment (4) other ▶

b Balance at the end of the previous year **7b**

c Additions: (1) Contributions deposited during the year **7c(1)**
 (2) Dividends and credits..... **7c(2)**
 (3) Interest credited during the year..... **7c(3)**
 (4) Transferred from separate account **7c(4)**
 (5) Other (specify below)..... **7c(5)**
 ▶

(6) Total additions **7c(6)**

d Total of balance and additions (add lines **7b** and **7c(6)**) **7d**

e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year **7e(1)**
 (2) Administration charge made by carrier..... **7e(2)**
 (3) Transferred to separate account **7e(3)**
 (4) Other (specify below)..... **7e(4)**
 ▶

(5) Total deductions **7e(5)**

f Balance at the end of the current year (subtract line **7e(5)** from line **7d**)..... **7f**

Part III Welfare Benefit Contract Information
 If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

- 8** Benefit and contract type (check all applicable boxes)
- a** Health (other than dental or vision)
 b Dental
 c Vision
 d Life insurance
e Temporary disability (accident and sickness)
 f Long-term disability
 g Supplemental unemployment
 h Prescription drug
i Stop loss (large deductible)
 j HMO contract
 k PPO contract
 l Indemnity contract
m Other (specify) ▶ **ACCIDENT, CRITICAL ILLNESS, HOSPITAL**

9 Experience-rated contracts:

a Premiums: (1) Amount received		9a(1)	
(2) Increase (decrease) in amount due but unpaid		9a(2)	
(3) Increase (decrease) in unearned premium reserve		9a(3)	
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid		9b(1)	
(2) Increase (decrease) in claim reserves		9b(2)	
(3) Incurred claims (add (1) and (2))		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention	9c(1)(H)		
(2) Dividends or retroactive rate refunds. (These amounts were <input type="checkbox"/> paid in cash, or <input type="checkbox"/> credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	
10 Nonexperience-rated contracts:			
a Total premiums or subscription charges paid to carrier		10a	2618335
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.		10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? Yes No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

DID NOT PROVIDE THE ADDRESS FOR THE AGENT/BROKER.

<p style="text-align: center;">SCHEDULE A (Form 5500)</p> <p style="font-size: small;">Department of the Treasury Internal Revenue Service</p> <hr/> <p style="font-size: x-small;">Department of Labor Employee Benefits Security Administration</p> <hr/> <p style="font-size: x-small;">Pension Benefit Guaranty Corporation</p>	<p>Insurance Information</p> <p>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</p> <p>▶ File as an attachment to Form 5500.</p> <p>▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).</p>	<p>OMB No. 1210-0110</p> <hr/> <p style="font-size: large;">2024</p> <hr/> <p>This Form is Open to Public Inspection</p>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

<p>A Name of plan BIONANO GENOMICS, INC. HEALTH & WELFARE PLAN</p>	<p>B Three-digit plan number (PN) ▶</p>	<p>501</p>
<p>C Plan sponsor's name as shown on line 2a of Form 5500 BIONANO GENOMICS, INC.</p>	<p>D Employer Identification Number (EIN) 26-1756290</p>	

Part I Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.

1 Coverage Information:

(a) Name of insurance carrier
UNUM LIFE INSURANCE COMPANY OF AMERICA

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
01-0278678	62235	946816	82	01/01/2024	12/31/2024

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

<p>(a) Total amount of commissions paid</p> <p style="color: blue;">15215</p>	<p>(b) Total amount of fees paid</p> <p style="color: blue;">2536</p>
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

GALLAGHER BENEFIT SERVICES, INC. TWO PIERCE PLACE, 21ST FLOOR
ITASCA, IL 60143

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
15215	0		3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

GALLAGHER BENEFIT SERVICES, INC. 2850 GOLF ROAD
ROLLING MEADOWS, IL 60008

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
0	2536	ADDITIONAL COMPENSATION	3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information
 Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	
5 Current value of plan's interest under this contract in separate accounts at year end.....	5	

6 Contracts With Allocated Funds:

a State the basis of premium rates ▶

b Premiums paid to carrier **6b**

c Premiums due but unpaid at the end of the year **6c**

d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. **6d**
 Specify nature of costs ▶

e Type of contract: (1) individual policies (2) group deferred annuity
 (3) other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) deposit administration (2) immediate participation guarantee
 (3) guaranteed investment (4) other ▶

b Balance at the end of the previous year **7b**

c Additions: (1) Contributions deposited during the year **7c(1)**
 (2) Dividends and credits..... **7c(2)**
 (3) Interest credited during the year..... **7c(3)**
 (4) Transferred from separate account **7c(4)**
 (5) Other (specify below)..... **7c(5)**
 ▶

(6) Total additions **7c(6)**

d Total of balance and additions (add lines **7b** and **7c(6)**) **7d**

e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year **7e(1)**
 (2) Administration charge made by carrier..... **7e(2)**
 (3) Transferred to separate account **7e(3)**
 (4) Other (specify below)..... **7e(4)**
 ▶

(5) Total deductions **7e(5)**

f Balance at the end of the current year (subtract line **7e(5)** from line **7d**)..... **7f**

Part III Welfare Benefit Contract Information
 If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** Health (other than dental or vision)
 b Dental
 c Vision
 d Life insurance
e Temporary disability (accident and sickness)
 f Long-term disability
 g Supplemental unemployment
 h Prescription drug
i Stop loss (large deductible)
 j HMO contract
 k PPO contract
 l Indemnity contract
m Other (specify) ▶ ACCIDENTAL DEATH AND DISMEMBERMENT

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were <input type="checkbox"/> paid in cash, or <input type="checkbox"/> credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	101430
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? Yes No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

<p>Form 5500</p> <p>Department of the Treasury Internal Revenue Service</p> <hr/> <p>Department of Labor Employee Benefits Security Administration</p> <hr/> <p>Pension Benefit Guaranty Corporation</p>	<p>Annual Return/Report of Employee Benefit Plan</p> <p>This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).</p> <p>▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	<p>OMB Nos. 1210-0110 1210-0089</p> <hr/> <p style="font-size: 24pt; font-weight: bold;">2024</p> <hr/> <p>This Form is Open to Public Inspection</p>
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Part I Annual Report Identification Information
 For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

- A** This return/report is for: a multiemployer plan a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.)
- a single-employer plan a DFE (specify) _____
- B** This return/report is: the first return/report the final return/report
- an amended return/report a short plan year return/report (less than 12 months)
- C** If the plan is a collectively-bargained plan, check here. ▶
- D** Check box if filing under: Form 5558 automatic extension the DFVC program
- special extension (enter description)
- E** If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶

Part II Basic Plan Information—enter all requested information

<p>1a Name of plan <u>BIONANO GENOMICS, INC. HEALTH & WELFARE PLAN</u></p>	<p>1b Three-digit plan number (PN) ▶ <u>501</u></p>
<p>2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>BIONANO GENOMICS, INC.</u></p> <p><u>9640 TOWNE CENTRE DRIVE, SUITE 100</u> <u>SAN DIEGO, CA 92121</u></p>	<p>1c Effective date of plan <u>01/01/2021</u></p> <p>2b Employer Identification Number (EIN) <u>26-1756290</u></p> <p>2c Plan Sponsor's telephone number <u>858-888-7694</u></p> <p>2d Business code (see instructions) <u>541700</u></p>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	<p style="font-size: 8pt;">DocuSigned by: </p> <p style="font-size: 8pt;">A48CA643FC714B1...</p>	7/7/2025	M. Cory Kreeck
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	3b Administrator's EIN	
	3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN	
	4d PN	
5 Total number of participants at the beginning of the plan year	5	222
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6a(1)	222
	6a(2)	80
	6b	11
	6c	6
	6d	97
	6e	
	6f	
	6g(1)	
6g(2)		
6h		
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

4A 4B 4D 4E 4F 4H 4L 4R

9a Plan funding arrangement (check all that apply)	9b Plan benefit arrangement (check all that apply)
(1) <input checked="" type="checkbox"/> Insurance	(1) <input checked="" type="checkbox"/> Insurance
(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts	(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts
(3) <input type="checkbox"/> Trust	(3) <input type="checkbox"/> Trust
(4) <input checked="" type="checkbox"/> General assets of the sponsor	(4) <input checked="" type="checkbox"/> General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

- a Pension Schedules**
- (1) **R** (Retirement Plan Information)
 - (2) **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
 - (3) **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
 - (4) **DCG** (Individual Plan Information) – Number Attached _____
 - (5) **MEP** (Multiple-Employer Retirement Plan Information)

- b General Schedules**
- (1) **H** (Financial Information)
 - (2) **I** (Financial Information – Small Plan)
 - (3) **A** (Insurance Information) – Number Attached 3
 - (4) **C** (Service Provider Information)
 - (5) **D** (DFE/Participating Plan Information)
 - (6) **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) Yes No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) Yes No

11c Enter the Receipt Confirmation Code for the 2024 Form M-1 annual report. If the plan was not required to file the 2024 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____
