

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 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of 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
1a Name of plan LUDWIG INSTITUTE FOR CANCER RESEARCH LTD RETIREMENT SAVINGS PLAN	1b Three-digit plan number (PN) ▶ 001
	1c Effective date of plan 05/01/1991
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) LUDWIG INSTITUTE FOR CANCER RESEARCH, LTD 600 THIRD AVENUE, FLOOR 32 NEW YORK, NY 10016	2b Employer Identification Number (EIN) 23-7121131
	2c Plan Sponsor's telephone number 212-450-1500
	2d Business code (see instructions) 541700

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.	10/16/2023	JONATHAN SKIPPER
	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

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ 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	5 273
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 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) 60 6a(2) 38 6b 5 6c 216 6d 259 6e 1 6f 260 6g 260 6h 1
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: 2G 2L 2M 2T 3D b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ 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	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ 2 A (Insurance Information) (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 2022 Form M-1 annual report. If the plan was not required to file the 2022 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 _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan LUDWIG INSTITUTE FOR CANCER RESEARCH LTD RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 LUDWIG INSTITUTE FOR CANCER RESEARCH, LTD	D Employer Identification Number (EIN) 23-7121131	

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.
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1 Coverage Information:

(a) Name of insurance carrier TEACHERS INSURANCE AND ANNUITY ASSOCIATION OF AMERICA
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(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
13-1624203	69345	500024/500025	155	01/01/2022	12/31/2022

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.

(a) Total amount of commissions paid	(b) Total amount of fees paid

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
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(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	

(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	37733388
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	5421177

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..... Specify nature of costs ▶	6d	

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	3888366
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c	Additions: (1) Contributions deposited during the year	7c(1)		
	(2) Dividends and credits.....	7c(2)	0	
	(3) Interest credited during the year.....	7c(3)	151376	
	(4) Transferred from separate account.....	7c(4)	176547	
	(5) Other (specify below)	7c(5)		

(6) Total additions.....	7c(6)	327923
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	4216289
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	191461	
(2) Administration charge made by carrier.....	7e(2)		
(3) Transferred to separate account.....	7e(3)	172250	
(4) Other (specify below)	7e(4)	79191	

▶ TRANSFER TO OUTSIDE INVESTMENT

(5) Total deductions.....	7e(5)	442902
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	3773387
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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) ▶

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)	0
(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)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ 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	
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. ▶

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan LUDWIG INSTITUTE FOR CANCER RESEARCH LTD RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 LUDWIG INSTITUTE FOR CANCER RESEARCH, LTD	D Employer Identification Number (EIN) 23-7121131	

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.
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1 Coverage Information:

(a) Name of insurance carrier PRINCIPAL LIFE 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
42-0127290	61271	613953	138	01/01/2022	12/31/2022

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.

(a) Total amount of commissions paid	(b) Total amount of fees paid
0	416

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 ACTUARIAL BENEFITS CORP. 2790 SKYPARK DR. SUITE 300 TORRANCE, CA 90505
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
	416	REFERRAL SERVICE FEE	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	

(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** 0**5** Current value of plan's interest under this contract in separate accounts at year end..... **5** 0**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 ▶ CUSTODIAL GUARANTEED INTEREST ACCOUNT**b** Balance at the end of the previous year **7b** 763247**c** Additions: (1) Contributions deposited during the year **7c(1)** 91438
(2) Dividends and credits **7c(2)**
(3) Interest credited during the year **7c(3)** 13310
(4) Transferred from separate account **7c(4)**
(5) Other (specify below) **7c(5)** 165480

▶ LOAN PAYMENT, PLAN TRANSFER, OUTSIDE INVESTMENT TRANSFER

(6) Total additions **7c(6)** 270228**d** Total of balance and additions (add lines **7b** and **7c(6)**) **7d** 1033475**e** Deductions:(1) Disbursed from fund to pay benefits or purchase annuities during year **7e(1)** 20012
(2) Administration charge made by carrier **7e(2)** 92
(3) Transferred to separate account **7e(3)**
(4) Other (specify below) **7e(4)** 83237

▶ OUTSIDE INVESTMENT TRANSFER

(5) Total deductions **7e(5)** 103341**f** Balance at the end of the current year (subtract line **7e(5)** from line **7d**) **7f** 930134

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) ▶

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)	0
(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)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ 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	
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. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan LUDWIG INSTITUTE FOR CANCER RESEARCH LTD RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 LUDWIG INSTITUTE FOR CANCER RESEARCH, LTD	D Employer Identification Number (EIN) 23-7121131	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
TIAA OF AMERICA
13-1624203

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

ACTUARIAL BENEFITS CORP.

20-1054428

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49 99	OTHER SERVICES	0	Yes ☒ No ☐	Yes ☐ No ☒	18997	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 37 50 64	CONTRACT ADMINISTRATOR	4137	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
ACTUARIAL BENEFITS CORP.	49 99	18997

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
PRINCIPAL LIFE INSURANCE COMPANY 42-0127290	REFERRAL/SERVICE FEE

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan LUDWIG INSTITUTE FOR CANCER RESEARCH LTD RETIREMENT SAVINGS PLAN	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 LUDWIG INSTITUTE FOR CANCER RESEARCH, LTD	D Employer Identification Number (EIN) 23-7121131	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
--------	---

a Name of MTIA, CCT, PSA, or 103-12 IE: TIAA REAL ESTATE ACCOUNT		
b Name of sponsor of entity listed in (a): TEACHERS INSURANCE AND ANNUITY ASSOCIATION		
c EIN-PN 13-1624203-004	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 295046
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II **Information on Participating Plans (to be completed by DFEs)**

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>LUDWIG INSTITUTE FOR CANCER RESEARCH LTD RETIREMENT SAVINGS PLAN</u>		B Three-digit plan number (PN) <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>LUDWIG INSTITUTE FOR CANCER RESEARCH, LTD</u>		D Employer Identification Number (EIN) <u>23-7121131</u>

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans.....	1c(8)	138182	76962
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	295187	295046
(11) Value of interest in master trust investment accounts.....	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	50324336	40666258
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	4651612	4703521
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	55409317	45741787

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	55409317	45741787
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	969017	
(B) Participants	2a(1)(B)	786974	
(C) Others (including rollovers)	2a(1)(C)	0	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		1755991
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	4949	
(F) Other	2b(1)(F)	164686	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		169635
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	646562	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		646562
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		24509
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-9430918
c Other income	2c		607
d Total income. Add all income amounts in column (b) and enter total	2d		-6833614
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	2829779	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		2829779
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)	4137	
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		4137
j Total expenses. Add all expense amounts in column (b) and enter total	2j		2833916
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-9667530
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unmodified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: GRANT THORNTON LLP

(2) EIN: 36-6055558

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

A Name of plan <u>LUDWIG INSTITUTE FOR CANCER RESEARCH LTD RETIREMENT SAVINGS PLAN</u>	B Three-digit plan number (PN) ► <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>LUDWIG INSTITUTE FOR CANCER RESEARCH, LTD</u>	D Employer Identification Number (EIN) <u>23-7121131</u>

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>13-1624203</u> <u>13-3586142</u> Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....	3	

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
----------------	---

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....	6a		
b Enter the amount contributed by the employer to the plan for this plan year.....	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☐ N/A

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☐ No
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Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
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10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?.....	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?.....	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.).....	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?.....	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2022
v. 220413

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:	
a	The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a
b	The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b
c	The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:	
a	The corresponding number for the plan year immediately preceding the current plan year.....	15a
b	The corresponding number for the second preceding plan year.....	15b
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:	
a	Enter the number of employers who withdrew during the preceding plan year	16a
b	If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐	

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
 Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

Financial Statements and Report of
Independent Certified Public
Accountants

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

December 31, 2022 and 2021

Contents

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* All other schedules are omitted as they are not applicable or are not required based on the disclosure requirements of the Employee Retirement Income Security Act of 1974 ("ERISA"), as amended, and applicable regulations issued by the U.S. Department of Labor.

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REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

To the Plan Sponsor of
Ludwig Institute for Cancer Research Ltd Retirement Savings Plan

Scope and nature of the ERISA Section 103(a)(3)(C) audit

We were engaged to perform audits of the financial statements of Ludwig Institute for Cancer Research Ltd Retirement Savings Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from qualified institutions as of December 31, 2022 and 2021, and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 6 to the financial statements, is complete and accurate.

Disclaimer of opinion

We do not express an opinion on the accompanying financial statements of the Plan. Because of the significance of the matter described in the Basis for Disclaimer of Opinion section of our report, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion on the financial statements.

Basis for disclaimer of opinion

The Plan has not maintained sufficient accounting records and supporting documents relating to certain annuity contracts and custodial accounts issued to current and former employees prior to January 1, 2009. Accordingly, we were unable to apply auditing procedures sufficient to determine the extent to which the financial statements may have been affected by these conditions.

Responsibilities of management for the financial statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the plan, and determining that the plan's transactions that are presented and disclosed in the financial statements are in conformity with the plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor's responsibilities for the audit of the financial statements

Our responsibility is to conduct an audit of the Plan's financial statements in accordance with auditing standards generally accepted in the United States of America and to issue an auditor's report. However, because of the matter described in the Basis for Disclaimer of Opinion section of our report, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion on these financial statements.

We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audits.

Other matter - supplemental schedules required by ERISA

The supplemental schedule H, Line 4i - Schedule of assets (Held at end of year) as of December 31, 2022 is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion section of our report, it is inappropriate to and we do not express an opinion on the supplemental schedule referred to above.



New York, New York
October 16, 2023

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

December 31,

	2022	2021
ASSETS		
Investments, at fair value	\$ 43,581,160	\$ 53,275,314
Fully benefit-responsive investments contracts, at contract value	<u>2,083,665</u>	<u>1,995,821</u>
Total investments	45,664,825	55,271,135
Receivable		
Notes receivable from participants	<u>76,962</u>	<u>138,182</u>
NET ASSETS AVAILABLE FOR BENEFITS	<u><u>\$ 45,741,787</u></u>	<u><u>\$ 55,409,317</u></u>

The accompanying notes are an integral part of these financial statements.

Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

Year ended December 31, 2022

Additions (Deductions) to net assets attributed to

Investment income (loss)	
Net depreciation in fair value of investments	\$ (9,406,409)
Interest and dividends	<u>811,248</u>
Net investment loss	<u>(8,595,161)</u>
Interest from participant loans	<u>4,949</u>
Contributions	
Employer	969,017
Employee	<u>786,974</u>
Total contributions	1,755,991
Other income	<u>607</u>
Total deductions	(6,833,614)

Deductions from net assets attributed to

Benefits paid to participants and beneficiaries	2,829,779
Administration expenses	<u>4,137</u>
Total deductions	<u>2,833,916</u>

NET DECREASE	(9,667,530)
---------------------	--------------------

Net assets available for benefits

Beginning of year	<u>55,409,317</u>
End of year	<u><u>\$ 45,741,787</u></u>

The accompanying notes are an integral part of this financial statement.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS

December 31, 2022 and 2021

NOTE 1 - DESCRIPTION OF THE PLAN

The following brief description of the Ludwig Institute for Cancer Research Ltd (the “Institute” or “Plan Sponsor” or “Employer”) Retirement Savings Plan (the “Plan”) provides only general information. Participants should refer to the Plan adoption agreement for a more complete description of the Plan’s provisions, including definitions of key terms. The Plan agreement is the governing document with respect to the operation of the Plan.

General

The Institute established both a tax sheltered annuity plan (“TDA Plan”) and a defined contribution plan (“DC Plan”) on May 1, 1991, so that it could assist eligible employees in providing for their future financial security. The Plan is subject to the applicable provisions of the Employee Retirement Income Security Act of 1974, as amended (“ERISA”).

Effective January 1, 2009, the Plan was amended to merge the TDA Plan and the DC Plan into one plan and renamed the Plan. The Plan is intended to be a tax sheltered annuity and defined contribution plan under Section 403(b) of the Internal Revenue Code of 1986, as amended (the “Code”). The Plan is intended to constitute a single plan for purpose of Section 414(l) of the Code. It is intended that the Plan contains those provisions required by the Economic Growth and Tax Relief Reconciliation Act of 2001, the Pension Protection Act of 2006, the final 415 Regulations and the final 403(b) Regulations.

Plan assets are held in trust at Teachers Insurance and Annuity Association of America (“TIAA”) and College Retirement Equity Fund (“CREF”) (collectively, “TIAA and CREF”) and Delaware Charter Guarantee & Trust Company d/b/a Principal Trust Company (“Principal”) (collectively, the “Custodians”), as directed by plan participants. The Plan has an agreement with the Custodians to perform custodial and certain administrative services. The recordkeepers of the Plan are Teachers Insurance and Annuity Association of America (“TIAA”) and Principal Insurance Company. The Plan administrator is responsible for overseeing and ensuring compliance with the Plan agreement.

Eligibility

Each employee who was a participant under the prior provision of either the TDA Plan or the DC Plan prior to January 1, 2009, shall continue to participate in the Plan, if still employed by the Institute and still eligible for plan participation. Each other employee who is a regular full-time or regular part-time employee of the Institute is eligible for participation in the Plan on their first day of employment. Leased employees and nonresident aliens are excluded from participation in the Plan.

Contributions

Participants may make pre-tax and Roth contributions to the Plan subject to certain Internal Revenue Service (“IRS”) limitations. Upon completing 1,000 hours of service in a twelve (12) month period of time, as defined in the Plan agreement, the Institute will make a non-elective employer contribution to eligible participants. The non-elective employer contribution is ten and one-half percent (10.5%) of the participants’ compensation during the Plan year retroactive to the date of hire. Effective June 1, 2017, the Plan was amended and the waiting period was eliminated. The Plan permits rollover contributions if the following two conditions are met: (1) in the case of a transfer for a participant, the participant is an employee or former employee of the Plan and (2) in the case of a transfer for a beneficiary of a deceased participant, the participant was an employee or former employee of the Plan.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

Vesting

All participants are immediately vested in their contributions and after completion of one year of service in employer non-elective contributions.

Forfeitures

Amounts forfeited from a participant's account shall be used to reduce future employer contributions or to pay plan expenses.

Participant Accounts

Individual accounts are maintained for each plan participant. Each participant's account is credited with the participant's contribution, employer contributions, and investment earnings and charged with investment losses, administrative expenses and withdrawals. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Participants may direct contributions to any investment options offered by the Plan and may change their investment options at any time, subject to the terms of the funding vehicle. Plan earnings are credited to a participant's account according to the type of funding vehicle in which balances are invested.

Payments of Benefits

The Plan permits participants whose employment has been terminated to remain in the Plan. These individuals do not continue to make contributions or to receive contributions from the Institute after termination.

A participant is eligible to receive a distribution on his or her vested account balance under any of the following circumstances: (a) retirement; (b) termination of employment; (c) death; or (d) disability. Lump-sum, annuity or fixed-period payouts are available on retirement or termination of service as permitted in the Plan document. In addition, participants may elect in-service withdrawals of their elective deferral account balances after reaching age 59½ or for hardship purposes. Minimum required distributions for participants who have reached age 72 also apply per IRS regulations.

Notes Receivable from Participants

Participants may borrow from their Principal accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$100,000 or 50% of their vested account balance. The loans are secured by the balance in the participant's account. The number of outstanding loans for a participant is limited to two. Loan terms range from one to five years. In the event of a home loan, the term is no more than 10 years. The interest rate is established at the inception of the loan and is set at one percentage point higher than the prime lending rate as posted in the Wall Street Journal when the loan is made. Principal and interest is paid ratably through monthly payroll deductions. Interest rates ranged from 4.25% to 8% as of December 31, 2022 and 4.25% to 6.5% as of December 31, 2021.

Administrative Expenses

Certain expenses of maintaining the Plan are paid directly by the Plan Sponsor and are excluded from these financial statements. Administrative expenses of the Plan are paid by the Plan. Loan processing fees and distribution fees are paid by the participants.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The financial statements of the Plan are prepared using the accrual basis of accounting in accordance with generally accepted accounting principles in the United States of America ("US GAAP").

Use of Estimates

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of net assets available for benefits at the date of the financial statements and reported amounts of changes in net assets available for benefits during the reporting period, such as those relating to the fair value of certain investments and disclosures of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

The Plan's investments are stated at fair value, except for the Principal Annuity and TIAA Traditional Annuity fully benefit responsive investments which are reported at contract value. Fair value is the price that would be received when an asset is sold or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Notes 4 and 5 for further discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis and dividends are recorded at the ex-dividend rate. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

NOTE 3 - NOTES RECEIVABLE FROM PARTICIPANTS

Notes receivable from participants are measured at their unpaid balance, plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Delinquent notes receivable are reclassified as distributions based upon the terms of the Plan document. There is no allowance for credit losses as of December 31, 2022 and 2021.

Payment of Benefits

Benefit payments to participants and beneficiaries are recorded when paid.

NOTE 4 - FULLY BENEFIT-RESPONSIVE INVESTMENTS, AT CONTRACT VALUE

The TIAA Traditional Annuity ("Traditional Annuity") is a guaranteed fixed annuity contract that is available as an investment option to plan participants. Each contract is fully and unconditionally guaranteed by TIAA. The Traditional Annuity is offered through a variety of contract types, the Supplemental Retirement Annuity ("SRA") and the Group Supplemental Retirement Annuity ("GSRA"), and are fully benefit responsive. The type of contract through which a participant invests in the Traditional Annuity determines the applicability of certain account features, such as the guaranteed minimum interest rate, additional interest declarations, the degree of liquidity of the participant's account, and the options for receiving income upon retirement. As of December 31, 2022 and 2021, the Plan's investment in the SRA and GSRA contracts totaled \$1,153,531 and \$1,232,574, respectively.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

When participants choose to allocate a portion of their retirement savings to the Traditional Annuity (accumulation phase of the contract), they may elect at retirement to purchase a specific amount of lifetime income based on the contractual rate schedule in effect at the time the premium is paid. The participant's principal, plus a specified minimum rate of interest, is guaranteed by TIAA's claims-paying ability. The Traditional Annuity also provides the potential for additional interest if declared by TIAA's Board of Trustees. Additional interest, when declared, remains in effect for the declaration year, which begins each March 1 for accumulating annuities, and January 1 for lifetime payout annuities. Additional interest is not guaranteed for future years. Together, the guaranteed minimum and additional amounts make up the crediting interest rate. For accumulating SRA and GSRA contracts, the crediting interest rate were approximately 5.85% and 3.00% as of December 31, 2022 and 2021.

All SRA and GSRA contracts provide for full participant directed liquidity. When a participant's accumulation in the Traditional Annuity is converted to a lifetime payout annuity, the present value of the stream of payments is equal to the accumulated balance, and the entire amount is recorded as a distribution in the statement of changes in net assets available for benefits. No events are probable of occurring that might limit the ability of the Plan to transact at contract value with the contract issuer, and also that limit the ability of the Plan to transact at contract value with participants.

The Principal Life Insurance Company Fixed Income Guaranteed Option ("Principal Annuity") is considered to be a fully benefit-responsive group annuity contract issued by the Principal Life Insurance Company ("PLIC"). This type of contract does not have specific underlying assets assigned; however, this contract is backed by Principal's general account. The account is credited with earnings on the underlying investments and charged for participant withdrawals and administrative expenses. As of December 31, 2022 and 2021, the Plan's investment in the group annuity contract totaled \$930,134 and \$763,247, respectively.

The accompanying statement of changes in net assets available for benefits include the fully benefit-responsive group annuity contract recognized at contract value. The contract value equals the accumulated cash contributions and interest credited to the contract, less any withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer all or a portion of their investment at contract value. A plan-level surrender or transfer of the Plan's interest in the investment contract without 12 months' advance notice will be subject to a 5% surrender charge. Under the terms of the contract, the composite crediting rate is currently reset on a semiannual basis and will never be less than the guaranteed minimum interest rate, as defined in the contract.

Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value less an administrative charge. Certain events limit the ability of the Plan to transact at contract value with PLIC. Such events include the following: (1) amendments to the Plan documents (including complete or partial plan termination or merger with another plan); (2) changes to the Plan's prohibition on competing investment options or deletion of equity wash provisions; (3) bankruptcy of the Plan Sponsor or other plan sponsor events (for example, divestitures or spin-offs of a subsidiary) that cause a significant withdrawal from the Plan; or (4) the failure to qualify for exemption from federal income taxes or any required prohibited transaction exemption under ERISA. The Plan administrator does not believe that the occurrence of any such value event, which would limit the Plan's ability to transact at contract value with participants, is probable.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

NOTE 5 - FAIR VALUE MEASUREMENTS

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy under Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") 820 are described as follows:

Level 1 - Inputs to the valuation methodology are unadjusted quoted market prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 - Inputs to the valuation methodology include the following:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability; and
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 - Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2022 and 2021:

Mutual funds: Are determined by obtaining quoted prices on nationally recognized securities exchanges (Level 1 inputs).

CREF registered investment companies: The fair values of accumulation units held by the Plan in CREF accounts are valued at quoted market prices, representing the net asset value ("NAV") of the units, and classified as Level 1. Data for NAVs are available daily to plan administrators and client investors on NASDAQ's website, and provide sufficient corroborative evidence to ascertain the relationship between each fund's NAV and the values of individual underlying holdings. Underlying holdings are primarily valued using market quotations or prices obtained from independent pricing sources.

TIAA real estate account - (a Pooled Separate Account): The fair value of the Plan's interest in the TIAA Real Estate Account (a pooled separate account) is based on the fund's daily NAV. The unit value of the fund is calculated daily and available to plan administrators and client investors on NASDAQ's website and classified as Level 1 of the valuation hierarchy. Underlying holdings are primarily valued using independent appraisals or independent pricing sources. Although the underlying assets of the fund cannot be quickly sold and converted to liquid assets, the TIAA general account provides the fund with a liquidity guarantee whereby TIAA ensures that the fund has funds available to meet participant

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

redemption, transfer or cash withdrawal requests. There are no unfunded commitments from participants in the Plan who invest in this account.

TIAA variable annuity accounts: The fair values of accumulation units held by the Plan in TIAA variable annuity accounts are published daily, representing each account's NAV. These accounts are not exchange traded, however data for NAVs are available daily to plan administrators and client investors on TIAA and CREF's website which provides sufficient corroborative evidence to ascertain the relationship between each fund's NAV and the values of individual underlying holdings. As a result, management has considered these units to have a readily determinable fair market value and accordingly has classified these units as Level 1. There are no unfunded commitments from participants in the Plan who invest in these accounts.

TIAA fixed annuity contracts (TIAA Traditional Annuity): The Plan invests in the Traditional Annuity, with an investment through the Retirement Annuity ("RA") contract type, a fixed rate contract that is non-fully benefit-responsive. Observable prices for identical or similar investments do not exist, and it is classified as Level 3. Investments in the Traditional Annuity earn a specific amount of lifetime income based on the contractual rate schedule in effect at the time the premium is paid. The accumulated crediting interest rate was approximately 4.24% and 3.8%, net of annual fees for the years ended December 31, 2022 and 2021, respectively. The crediting interest rate is calculated on a daily basis. The RA does not allow lump-sum cash withdrawals and transfers must be distributed over 10 annual installments.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. While plan management believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2022 and 2021:

	2022			
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 35,540,126	\$ -	\$ -	\$ 35,540,126
CREF registered investment companies	4,605,160	-	-	4,605,160
TIAA real estate account	295,046	-	-	295,046
TIAA variable annuity accounts	520,972	-	-	520,972
TIAA fixed annuity contracts*	-	-	2,619,865	2,619,856
	<u>\$ 40,961,304</u>	<u>\$ -</u>	<u>\$ 2,619,856</u>	<u>\$ 43,581,160</u>

*Non-fully benefit-responsive component of TIAA Traditional Annuity.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

	2021			
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 43,539,801	\$ -	\$ -	\$ 43,539,801
CREF registered investment companies	6,038,910	-	-	6,038,910
TIAA real estate account	295,187	-	-	295,187
TIAA variable annuity accounts	745,624	-	-	745,624
TIAA fixed annuity contracts*	-	-	2,655,792	2,655,792
	<u>\$ 50,619,522</u>	<u>\$ -</u>	<u>\$ 2,655,792</u>	<u>\$ 53,275,314</u>

*Non-fully benefit-responsive component of TIAA Traditional Annuity.

Contributions, rollovers, settlements and transfers into Level 3 investments were \$174,683 and \$238,310 for the Plan years ended December 31, 2022 and 2021, respectively. Withdrawals, distributions, settlements and transfers out from Level 3 investments were \$320,103 and \$451,953 for the Plan years ended December 31, 2022 and 2021, respectively.

Quantitative Information about Significant Unobservable Inputs used in Level 3 Fair Value Measurements.

The following table sets forth the basic assumption used in arriving at fair value and the range of value for unobservable inputs:

Instrument	2022 Fair Value	2021 Fair Value	Principal Valuation Technique	Unobservable Inputs	Range of Significant Input Values
TIAA Traditional Annuity non-benefit responsive	\$ 2,619,856	\$ 2,655,792	Discounted cashflow Theoretical transfer (exit value)	Risk-adjusted discount rate* applied	RA 2022 - 3.70% - 6.25% RA 2021 - 3.0% - 3.8%

*Unobservable inputs include discount rate applied.

NOTE 6 - INFORMATION CERTIFIED BY THE CUSTODIANS

The Plan administrator has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, TIAA and CREF, insurance companies and issuers of certain annuity contract investment assets of the Plan, and Principal, have certified that the following information in the accompanying financial statements and supplemental schedule is complete and accurate (this certification extends to investments that were record kept by TIAA, but were held by TIAA, FSB (formerly known as TIAA-CREF Trust Company, FSB) and Principal.

- Investments, at fair value and fully benefit-responsive contracts, at contract value and notes receivable from participants, as shown in the statements of net assets available for benefits as of December 31, 2022 and 2021.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

- Net investment loss and interest income from notes receivable from participants, as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2022.
- Schedule H, line 4i - schedule of assets (held at end of year) as of December 31, 2022.

The Plan's independent certified public accountants did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedule.

NOTE 7 - ACCOUNTING AND PAYROLL RECORDS

In November 2007, the DOL issued amended regulations eliminating an exemption granted to 403(b) plans from the annual Form 5500 reporting and disclosure requirements under Part 1 of Subtitle B of Title I of the Employee Retirement Income Security Act of 1974, as amended. Prior to the amended regulations, the Plan (established in January 2010) was not viewed as a separate reporting entity. Historically, the Plan was viewed as a collection of individual contracts with which participants could engage in a range of actions with limited involvement, if any, by the Plan sponsor. Accordingly, various accounting and payroll records related to the Plan's 403(b) annuity contracts and custodial accounts issued to current and former employees prior to January 1, 2009 were not sufficiently maintained by the Plan. Consequently, the financial statements have been prepared based on available records analyzed by plan management. As certain records were not available from the inception of the Plan, the effect, if any, on the completeness or accuracy of the Plan's financial statements cannot be determined.

NOTE 8 - PARTY-IN-INTEREST TRANSACTIONS

Plan investments include investment contracts, registered investment companies, pooled separate accounts, and shares of mutual funds managed by TIAA and CREF and a Fixed Income Guaranteed Option and registered investment companies managed by Principal. The Plan also permits notes receivable from participants. Therefore, transactions pertaining to these investments qualify as party-in-interest transactions. Certain administrative expenses paid by the Plan Sponsor qualify as party-in-interest transactions.

NOTE 9 - PLAN TERMINATION

The Institute intends to continue the Plan indefinitely but reserves the right to amend or discontinue the Plan at any time subject to the provisions of ERISA. ERISA provides the manner in which the assets of a terminated plan are to be allocated.

NOTE 10 - TAX STATUS

The Plan has been designed to qualify under Section 403(b) of the Internal Revenue Code ("IRC"). The terms of the Plan have been prepared to conform with the sample language provided by the IRS in Revenue Procedure 2007-71. The Plan administrator intends to apply for a determination letter for the Plan once the IRS opens such a program. The Plan is required to operate in conformity with the IRC to maintain the tax-exempt status for plan participants under Section 403(b). The Plan administrator believes that the Plan is currently designed and operating, in all material respects, in accordance with the applicable requirements of Section 403(b) of the IRC and, therefore, believes the Plan is qualified and the related custodial accounts and tax-deferred annuities are tax-exempt. Therefore, no provision for income taxes has been included in the Plan's financial statements.

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2022 and 2021

US GAAP requires plan management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2022 and 2021, there are no uncertain positions taken or expected to be taken that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

NOTE 11 - RISKS AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

NOTE 12 - SUBSEQUENT EVENTS

The Plan has evaluated subsequent events through October 16, 2023, the date the financial statements were available to be issued and determined that there were no subsequent events that would require recognition or disclosure in the financial statements as of December 31, 2022.

SUPPLEMENTAL SCHEDULE

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

SCHEDULE H, LINE 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

December 31, 2022

EIN: 23-7121131, PLAN #: 001

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(d) Cost (**)	(e) Current Value
	Fully Benefit-Responsive Contracts, at Contract Value			
*	TIAA	Traditional Benefit Responsive		\$ 1,153,531
*	Principal Life Insurance Company	Fixed Income Guaranteed Option		930,134
		Total fully benefit-responsive contracts		2,083,665
	Fixed Annuity Contracts			
*	TIAA	Traditional Non-Benefit Responsive		2,619,856
	Pooled Separate Accounts			
*	TIAA	Real Estate		295,046
	Registered Investment Companies			
*	CREF	Global Equities		3,955,731
*	CREF	Money Market		117,315
*	CREF	Fixed Income		394,897
*	CREF	Multi-Asset		137,217
		Total registered investment companies		4,605,160
	TIAA Variable Annuity			
*	TIAA	TIAA Access Growth & Income T4		2,437
*	TIAA	TIAA Access Intl Equity T4		38,689
*	TIAA	TIAA Access Lg-Cap Gr T4		256,838
*	TIAA	TIAA Access Lg-Cap Val T4		27,921
*	TIAA	TIAA Access Lifecycle 2015 T4		40
*	TIAA	TIAA Access Lifecycle 2050 T4		10,453
*	TIAA	TIAA Access Social Ch Eq T4		52,037
*	TIAA	TIAA Access Mid-Cap Gr T4		18,477
*	TIAA	TIAA Access Mid-Cap Val T4		15,299
*	TIAA	TIAA Access Real Est Secs T4		20,851
*	TIAA	TIAA Access Sm-Cap Bl Idx T4		55,348
*	TIAA	TIAA Access Quant Sml Cp Eq T4		15,758
*	TIAA	TIAA Access Core Bond Plus T4		6,824
		Total TIAA Variable Annuity		520,972
	Mutual Funds			
	The American Funds	American Funds New World R6		443,932
	Cohen & Steers	Cohen & Steers Real Estate Securities Z Fund		462,592
	Dimensional Fund Advisors	DFA Inflation Protected Securities Portfolio		436,967
	Fidelity Investments	Fidelity 500 Index Fund		3,273,934
	Fidelity Investments	Fidelity Mid Cap Index Fund		1,620,329
	Fidelity Investments	Fidelity Small Cap Index Fund		602,247
	Fidelity Investments	Fidelity Total International Index Fund		213,145

**Ludwig Institute for Cancer Research Ltd
Retirement Savings Plan**

SCHEDULE H, LINE 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR) - CONTINUED

December 31, 2022

EIN: 23-7121131, PLAN #: 001

(a)	(b) Identity of Issue, Borrower, Lessor, or Similar Party	(c) Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(d) Cost (**)	(e) Current Value
Mutual Funds				
	Hartford Mutual Funds	Hartford MidCap Fund		\$ 374,949
	John Hancock	John Hancock Bond R6 Fund		1,131,308
	JP Morgan Funds	JPMorgan Income R6 Fund		1,998,626
	JP Morgan Funds	JPMorgan Large Cap Gr R6 Fd		1,620,566
	JP Morgan Funds	JP Morgan US Equity R6 Fund		590,723
	Lord Abbett	Lord Abbett Short Duration Income R6 Fund		540,337
	MFS Investment Management	MFS International Diversification R6 Fund		1,160,403
	T. Rowe Price Funds	T. Rowe Price Health Sciences I Fund		1,065,733
	T. Rowe Price Funds	T. Rowe Price Integrated U.S. Small-Cap Growth Equity Instl		864,674
	T. Rowe Price Funds	T Rowe Price Retirement Balanced Fund		269,685
	T. Rowe Price Funds	T Rowe Price Retirement I 2005 Fund		271,624
	T. Rowe Price Funds	T Rowe Price Retirement I 2010 Fund		151,627
	T. Rowe Price Funds	T Rowe Price Retirement I 2015 Fund		801,798
	T. Rowe Price Funds	T Rowe Price Retirement I 2020 Fund		1,123,269
	T. Rowe Price Funds	T Rowe Price Retirement I 2025 Fund		142,388
	T. Rowe Price Funds	T Rowe Price Retirement I 2030 Fund		3,961,538
	T. Rowe Price Funds	T Rowe Price Retirement I 2035 Fund		4,190,129
	T. Rowe Price Funds	T Rowe Price Retirement I 2040 Fund		2,556,679
	T. Rowe Price Funds	T Rowe Price Retirement I 2045 Fund		1,029,366
	T. Rowe Price Funds	T Rowe Price Retirement I 2050 Fund		250,565
	T. Rowe Price Funds	T Rowe Price Retirement I 2055 Fund		347,345
	T. Rowe Price Funds	T Rowe Price Retirement I 2060 Fund		109,319
	T. Rowe Price Funds	T Rowe Price Retirement I 2065 Fund		14,388
	Vanguard Group	Vanguard Equity-Income Adm Fund		2,295,151
	Vanguard Group	Vanguard FTSE Social Index Admiral Fund		569,980
	Victory Funds	Victory Sycamore Established Value R6 Fund		422,918
	Victory Funds	Victory Sycamore Small Company Opportunity I Fund		631,892
		Total mutual funds		<u>35,540,126</u>
		Total investments		<u>45,664,825</u>
*	Participant loans	Interest at 4.25% to 8% with various maturities	-0-	<u>76,962</u>
		Total assets		<u><u>\$ 45,741,787</u></u>

* All investments listed are considered party-in-interest as defined by ERISA Section 3(14).

** Information is not required as investments are participant-directed.

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 2022 This Form is Open to Public Inspection
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Part I Annual Report Identification Information	
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of 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	
1a Name of plan Ludwig Institute For Cancer Research Ltd Retirement Savings Plan	1b Three-digit plan number (PN) ▶ 001
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) Ludwig Institute For Cancer Research, Ltd 600 Third Avenue, Floor 32 New York NY 10016	1c Effective date of plan 05/01/1991 2b Employer Identification Number (EIN) 23-7121131 2c Plan Sponsor's telephone number 212-450-1500 2d Business code (see instructions) 541700

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		10/16/2023	Jonathan Skipper
	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

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ 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		5 273
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		6a(1) 60
a(2) Total number of active participants at the end of the plan year		6a(2) 38
b Retired or separated participants receiving benefits		6b 5
c Other retired or separated participants entitled to future benefits		6c 216
d Subtotal. Add lines 6a(2), 6b, and 6c		6d 259
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 1
f Total. Add lines 6d and 6e		6f 260
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)		6g 260
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested		6h 1
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: 2G 2L 2M 2T 3D		
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ 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		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information - Small Plan) (3) ☒ 2 A (Insurance Information) (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 2022 Form M-1 annual report. If the plan was not required to file the 2022 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 _____

Schedule H, Line 4i
Schedule of Assets (Held At End of Year)

Name of Plan: Ludwig Institute for Cancer Research Ltd Retirement Savings Plan

Employer Identification Number: 23-7121131

For plan year (beginning/ending): 01/01/2022 - 12/31/2022

Plan number: 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par or maturity value	(d) Cost	(e) Current value
	The American Funds	American Funds New World R6		443,932
	Cohen & Steers	Cohen & Steers Real Est Sec Z Fd		462,592
	Dimensional Investment Group	DFA Infl Protected Sec I Fd		436,967
	Fidelity Investments	Fidelity Mid Cp Index Fund		1,620,329
	Fidelity Investments	Fidelity Sm Cap Index Fund		602,247
	Fidelity Investments	Fidelity Total Int Index Fund		213,145
	Fidelity Investments	Fidelity 500 Index Fund		3,273,934
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	John Hancock	John Hancock Bond R6 Fund		1,131,308
	JP Morgan Funds	JP Morgan Income R6 Fund		1,998,626
	JP Morgan Funds	JP Morgan US Equity R6 Fund		590,723
	JP Morgan Funds	JP Morgan Large Cap Gr R6 Fund		1,620,566
	Lord Abbett	Lord Abbett Sht Drtn Inc R6 Fd		540,337
	MFS Investment Management	MFS Intl Diversification R6 Fd		1,160,403
*	Principal Life Insurance Company	Prin Fixed Inc Guar Option		930,134
	T Rowe Price Funds	T. Rowe Price QM US SC GR EO I		864,674
	T Rowe Price Funds	T. Rowe Price Hlth Sciences I Fd		1,065,733
	T Rowe Price Funds	T. Rowe Price Rtmt Bal I Fd		269,685
	T Rowe Price Funds	T. Rowe Price Rtmt 2005 I Fd		271,624
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	Vanguard Group	Vanguard Equity Income Adm Fund		2,295,151
	Vanguard Group	Vanguard Ftse Soc Ind Adm Fd		569,981
	Victory Funds	Victory Syca SM Co Opp I Fund		631,892
	Victory Funds	Victory Sycamore Est Val Fd		422,918
*	Participant Loans	Var Mat Dates, Int rates 4.25% - 8%		76,962
*	TIAA	TIAA Traditional Non Benefit Responsive		3,773,388
*	CREF	CREF Stock R1		2,295,432
*	CREF	CREF Money Market R1		117,315
*	CREF	CREF Social Choice R1		137,217
*	CREF	CREF Global Equities R1		495,266
*	CREF	CREF Growth R1		873,710
*	CREF	CREF Equity Index R1		291,324
*	CREF	CREF Inflation-Linked Bond R1		182,677
*	TIAA	TIAA Real Estate		295,046

Schedule H, Line 4i
Schedule of Assets (Held At End of Year)

Name of Plan: Ludwig Institute for Cancer Research Ltd Retirement Savings Plan

Employer Identification Number:▶ 23-7121131

For plan year (beginning/ending):▶ 01/01/2022 - 12/31/2022

Plan number:▶ 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par or maturity value	(d) Cost	(e) Current value
*	TIAA	TIAA Access Core Bond Plus T4		6,824
*	TIAA	TIAA Access Growth & Income T4		2,437
*	TIAA	TIAA Access Intl Equity T4		38,689
*	TIAA	TIAA Access Lg-Cap Gr T4		256,838
*	TIAA	TIAA Access Lg-Cap Val T4		27,921
*	TIAA	TIAA Access Lifecycle 2015 T4		40
*	TIAA	TIAA Access Lifecycle 2050 T4		10,453
*	TIAA	TIAA Access Mid-Cap Gr T4		18,477
*	TIAA	TIAA Access Mid-Cap Val T4		15,299
*	TIAA	TIAA Access Real Est Secs T4		20,851
*	TIAA	TIAA Access Sm-Cap Bl Idx T4		55,348
*	TIAA	TIAA Access Quant Sml Cp Eq T4		15,758
*	TIAA	TIAA Access Social Ch Eq T4		52,037
*	CREF	CREF Core Bond R1		212,220