

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 AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN	1b Three-digit plan number (PN) ▶ 003
	1c Effective date of plan 01/01/1976
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) AMERICAN SOCIETY FOR MICROBIOLOGY 1752 N STREET NW WASHINGTON, DC 20036	2b Employer Identification Number (EIN) 38-1616141 2c Plan Sponsor's telephone number 202-737-3600 2d Business code (see instructions) 611000

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.	12/15/2023	KIMBERLY D SHANKLE
	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		5 417
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) 165
a(2) Total number of active participants at the end of the plan year		6a(2) 169
b Retired or separated participants receiving benefits		6b 0
c Other retired or separated participants entitled to future benefits.....		6c 272
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 441
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 3
f Total. Add lines 6d and 6e		6f 444
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 437
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 0
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: 2F 2G 2L 2T 2M 2S		
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) ☒ 1 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 AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN	B Three-digit plan number (PN) ▶	003
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN SOCIETY FOR MICROBIOLOGY	D Employer Identification Number (EIN) 38-1616141	

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 TIAA-CREF
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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	346400	435	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.
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(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
--

(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	16679447
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	34218803

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	15249951
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c	Additions: (1) Contributions deposited during the year	7c(1)	448839	
	(2) Dividends and credits	7c(2)		
	(3) Interest credited during the year	7c(3)	617698	
	(4) Transferred from separate account	7c(4)	1049499	
	(5) Other (specify below)	7c(5)	63706	

▶ PLAN SERVICING CREDIT, PARTICIPANT LOAN INTEREST

(6) Total additions	7c(6)	2179742
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	17429693
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	480814	
(2) Administration charge made by carrier	7e(2)		
(3) Transferred to separate account	7e(3)	260927	
(4) Other (specify below)	7e(4)	8505	

▶ PLAN FEES, PARTICIPANT LOANS ISSUED, PARTICIPANT LOAN PRINCIPAL REPAYMENT

(5) Total deductions	7e(5)	750246
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	16679447
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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.	10b	

Specify nature of costs.

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 AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN	B Three-digit plan number (PN) ▶	003
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN SOCIETY FOR MICROBIOLOGY	D Employer Identification Number (EIN) 38-1616141	

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

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)

TIAA

730 THIRD AVE
NEW YORK, NY 10017-3206

13-1624203

(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?
64 65	RECORDKEEPER	14148	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 ☐

(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
(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.	
(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 AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN	B Three-digit plan number (PN) ►	003
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 AMERICAN SOCIETY FOR MICROBIOLOGY	D Employer Identification Number (EIN) 38-1616141	

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)
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a Name of MTIA, CCT, PSA, or 103-12 IE: TIAA REAL ESTATE		
b Name of sponsor of entity listed in (a): TIAA-CREF		
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) 2273050
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
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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>AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN</u>	B Three-digit plan number (PN) ►	<u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>AMERICAN SOCIETY FOR MICROBIOLOGY</u>	D Employer Identification Number (EIN) <u>38-1616141</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)	99904	110943
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	2232983	2273050
(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)	51363141	41032235
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	15249951	16679447
(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	68945979	60095675

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	68945979	60095675
---	-----------	----------	----------

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)	1298421	
(B) Participants	2a(1)(B)	1268275	
(C) Others (including rollovers)	2a(1)(C)	210988	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		2777684
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)	4722	
(F) Other	2b(1)(F)	617698	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		622420
(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)	279617	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		279617
(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)		182122
(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)		-9819979
c Other income	2c		63174
d Total income. Add all income amounts in column (b) and enter total	2d		-5894962
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	2941569	
(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)		2941569
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)	13773	
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		13773
j Total expenses. Add all expense amounts in column (b) and enter total	2j		2955342
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-8850304
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: SMITH & HOWARD, P.C.

(2) EIN: 58-1250486

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		1000000
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.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN		B Three-digit plan number (PN) ► 003
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN SOCIETY FOR MICROBIOLOGY		D Employer Identification Number (EIN) 38-1616141
Part I	Distributions	
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 0
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): 82-2826183		
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	
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		
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.	
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:	14a	
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).....	14b	
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)	14c	
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)		
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 _____

**AMERICAN SOCIETY FOR MICROBIOLOGY
DC RETIREMENT PLAN**

**FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020
and
SUPPLEMENTAL SCHEDULES**

**with
INDEPENDENT AUDITORS' REPORT**

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INDEPENDENT AUDITORS' REPORT

Members of the Plan Committee, Plan Administrator and Participants of American Society for Microbiology DC Retirement Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the financial statements of American Society for Microbiology DC Retirement 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, the related statements of changes in net assets available for benefits for the years then ended, 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 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 ("DOL") Rules and Regulations for Reporting and 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 DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained a certification from a qualified institution as of December 31, 2022 and 2021, and for the years then ended, stating that the certified investment information, as described in Note 3 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 matters 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 accompanying financial statements may have been affected by these conditions.

Further, as described in Notes to the financial statements, the Plan has excluded from investments in the accompanying statements of net assets available for benefits certain annuity contracts and custodial accounts issued to current and former employees prior to January 1, 2009, as permitted by the Department of Labor's Field Assistance Bulletin No. 2009-02, Annual Reporting Requirements for 403(b) Plans. The investment income and distributions related to such accounts have also been excluded in the accompanying statements of changes in net assets available for benefits. The amount of these excluded annuity contracts and custodial accounts and the related income and distributions are not reasonably determinable. Accounting principles generally accepted in the United States of America ("GAAP") require that these accounts and the related income and distributions be included in the accompanying financial statements.

Responsibilities of Management

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP, 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 within one year after the date that the financial statements are issued (or within one year after the date that the financial statements are available to be issued when applicable).

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.

Auditors' Responsibilities for the Audit

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with auditing standards generally accepted in the United States of America ("GAAS") will always detect a material misstatement when it exists. The risk of not detecting involve collusion, forgery, intentional omissions, misrepresentation, or the override of internal control. Misstatements are considered material if, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgement made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgement and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgement, 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 a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

Other Matters

Supplemental Schedules Required by ERISA

The supplemental Schedules of Assets (Held at End of Year) as of December 31, 2022 and 2021 are presented for purposes of additional analysis and are not a required part of the financial statements but are 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 matters described in the Basis for Disclaimer of Opinion section of our report, it is inappropriate to and we do not express an opinion on these supplemental schedules.

Auditors' Report on the 2020 Financial Statements

The 2020 financial statements of American Society for Microbiology DC Retirement Plan were audited by other auditors. They performed their audit in accordance with 29 CFR 2520.103-8 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Their report dated September 15, 2023, indicated that (a) because of the significance of the information that they did not audit, they were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion and accordingly, they did not express an opinion on the 2020 financial statements, and (b) the form and content of the information included in the 2020 financial statements, other than that derived from the certified information, were presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Smith and Howard

Atlanta, GA
December 14, 2023

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2022, 2021 AND 2020

ASSETS

	<u>2022</u>	<u>2021</u>	<u>2020</u>
Investments:			
At fair value	\$ 54,596,480	\$ 64,271,278	\$ 57,969,404
Fully benefit-responsive investment contracts			
at contract value	<u>5,388,252</u>	<u>4,574,797</u>	<u>4,150,277</u>
	<u>59,984,732</u>	<u>68,846,075</u>	<u>62,119,681</u>
Receivables:			
Notes receivable from participants	<u>110,943</u>	<u>99,904</u>	<u>94,626</u>
Net Assets Available for Benefits	<u><u>\$ 60,095,675</u></u>	<u><u>\$ 68,945,979</u></u>	<u><u>\$ 62,214,307</u></u>

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

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEARS ENDED DECEMBER 31, 2022 AND 2021

	<u>2022</u>	<u>2021</u>
Contributions:		
Employer	\$ 1,298,421	\$ 1,161,763
Employee	1,268,275	1,176,692
Rollovers	<u>210,988</u>	<u>101,613</u>
	<u>2,777,684</u>	<u>2,440,068</u>
Investment Income (Loss):		
Net appreciation (depreciation) in fair value of investments	(9,574,683)	7,156,821
Interest and dividends	<u>897,315</u>	<u>918,971</u>
	<u>(8,677,368)</u>	<u>8,075,792</u>
Interest Income on Notes Receivable from Participants	<u>4,722</u>	<u>4,117</u>
Deductions:		
Benefits and distributions paid to participants	(2,941,569)	(3,776,995)
Administrative expenses	<u>(13,773)</u>	<u>(11,310)</u>
	<u>(2,955,342)</u>	<u>(3,788,305)</u>
Increase (Decrease) in Net Assets Available for Benefits	(8,850,304)	6,731,672
Net Assets Available for Benefits at Beginning of Year	<u>68,945,979</u>	<u>62,214,307</u>
Net Assets Available for Benefits at End of Year	<u>\$ 60,095,675</u>	<u>\$ 68,945,979</u>

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

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 1 – DESCRIPTION OF THE PLAN

The following description of the American Society for Microbiology DC Retirement Plan (the “Plan”) provides only general information. Participants should refer to the Plan Document for a more complete description of the Plan’s provisions.

(a) General

The Plan is a defined contribution plan established by the American Society for Microbiology (the “Plan Sponsor” or “Employer”) as of January 1, 1976. The Plan covers substantially all employees of the Employer. Employees who are age 21 or older are eligible to receive employer discretionary contributions upon completion of at least two years of service. A year of service is a 12-month period during which an employee completes 1,000 or more hours of service. The Plan Committee is responsible for the oversight of the Plan. The Plan Committee determines the appropriateness of the Plan’s investment offerings and monitors investment performance. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

In November 2007, the Department of Labor issued amended regulations eliminating an exemption granted to 403(b) plans from the annual Form 5500 reporting, disclosure and audit requirements under ERISA effective for tax years beginning January 1, 2009. Prior to January 1, 2009, Teachers Insurance Annuities Association and College Retirement Equities Fund (“TIAA-CREF”) maintained records at a contract level, not Plan level. Neither the Plan Sponsor nor TIAA-CREF have been able to produce sufficient accounting records and supporting documents relating to certain annuity and custodial accounts issued to current and former employees prior to January 1, 2009. As a result, the completeness and the accuracy of the annuity and custodial accounts, related investment income, and distributions related to these accounts, if any, could not be determined.

(b) Contributions

Each year, participants may contribute up to 100% of their eligible compensation, as defined in the Plan, subject to certain limitations of the Internal Revenue Code (“IRC”). Participant contributions can be either pre-tax or Roth contributions. The Plan includes an auto-enrollment provision whereby all newly eligible employees are automatically enrolled in the Plan unless they affirmatively elect not to participate in the Plan. Automatically enrolled participants have their deferral rates set at 3% of eligible compensation which automatically increases by 1% on the first day of the Plan year until the employee reaches a 7% deferral rate. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans (rollover). Contributions are subject to certain Internal Revenue Service (“IRS”) limitations.

The Employer may make discretionary nonelective contributions. During 2022 and 2021, the Employer contributed 10% of the participant’s gross wages regardless of participant deferrals.

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 1 – DESCRIPTION OF THE PLAN (Continued)

(c) Participant Accounts

Each participant's account is credited with the participant's contributions, employer contributions, and an allocation of the Plan's earnings or losses. Allocations are based on participant earnings or account balances, or specific transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

(d) Vesting

Participants are immediately vested in all contributions plus actual earnings thereon.

(e) Payment of Benefits

On termination of service due to death, disability, retirement, or separation of service, a participant may elect to receive a lump-sum amount equal to the value of the participant's vested interest in his or her account or other payment methods provided under the applicable funding vehicle contract. Additionally, the participant is allowed in-service withdrawals from the Plan at age 59 1/2 or under certain circumstances of financial hardship.

(f) Notes Receivable from Participants

Participants are allowed to borrow a minimum of \$1,000 up to the lesser of \$50,000 or 50% of the present value of the accrued benefit of the annuitant. This is reflected as a reduction in the participant's account balance and recording of notes receivable from participants on the statements of net assets available for benefits. The notes receivable bear interest at a rate commensurate with local prevailing rates. Interest rates ranged from 4.00% to 6.50% for all notes receivable outstanding at December 31, 2022 and 2021. Principal and interest repayments are made directly to the certifying entity over a period not to exceed five years, unless the notes receivable from participants were used to purchase a primary residence in which case the notes receivable terms may exceed five years.

(g) Administrative Expenses

Certain administrative expenses of the Plan are paid by the Plan as provided in the Plan document. Investment fees are paid by the Plan in the form of reductions of net investment income earned by Plan participants.

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

(a) Basis of Accounting

The financial statements are prepared on the accrual basis of accounting. The Plan follows accounting standards set by the Financial Accounting Standards Board ("FASB"). The FASB sets accounting principles generally accepted in the United States of America ("GAAP").

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

(b) Use of Estimates

The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

(c) Investment Valuation and Income (Loss) Recognition

The Plan's investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (exit price).

Investment contracts held by a defined-contribution plan that are not fully benefit responsive are required to be reported at fair value. The Plan has determined that the investment contracts held by the Plan, as described in Note 4, are not fully benefit-responsive. Therefore, the investment contracts are reported at fair value.

The Plan also includes fully-benefit responsive contracts that are valued at contract value. Contract value is the relevant measurement attribute for that portion of the assets available for benefits of a defined contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan.

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

(d) Benefits Paid to Participants

Benefits paid to participants are recorded when paid.

(e) 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. Market risks include global events which could impact the value of investment securities, such as a pandemic or international conflict. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statement of net assets available for benefits.

At December 31, 2022, 2021 and 2020, two investments represented approximately 39%, 38% and 41% of the Plan's total investments, respectively.

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 2 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

(f) Subsequent Events

Management has evaluated subsequent events through the date of this report, which is the date the financial statements were available to be issued.

NOTE 3 – INVESTMENTS (Unaudited)

The Plan administrator has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, TIAA-CREF has provided certification that the financial information included in the financial statements and supplemental schedules as of December 31, 2022, 2021 and 2020 and for the years ended December 31, 2022 and 2021 provided to the Plan is complete and accurate. The information as to investment assets and transactions therein, and investment income included in the accompanying financial statements and supplemental schedules as of December 31, 2022, 2021 and 2020 and for the years ended December 31, 2022 and 2021 are covered by such certifications and has not been audited by independent auditors.

NOTE 4 – FAIR VALUE MEASUREMENTS

GAAP establishes 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 measurements) and the lowest priority to unobservable inputs (Level 3 measurements).

Basis of Fair Value Measurement

The three levels of the fair value hierarchy under GAAP are described below:

Level 1 - Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities;

Level 2 - Quoted prices in markets that are not considered to be active or financial instruments for which all significant inputs are observable, either directly or indirectly;

Level 3 - Prices or valuations that require inputs that are both significant to the fair value measurement and unobservable.

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 4 – FAIR VALUE MEASUREMENTS (Continued)

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, 2021 and 2020.

Fixed Annuity Contract

The non-fully benefit responsive (“NFBR”) fixed annuity contract, composed entirely of the TIAA Traditional Annuity Contract, is reported at contract value, which approximates fair value. Fair value is determined using a discounted cash flow model. The contract value equals the accumulated cash contributions and interest credited to the Plan’s contract, less withdrawals. The TIAA Traditional Annuity Contract is not available for sale or transfer on any securities exchange. The fixed annuity contract is subject to various restrictions. Further discussed in Note 5.

Pooled Separate Account

Units held in the pooled separate account (“PSA”) are valued at the net asset value (“NAV”) based on the fair market value of the underlying investments of the account less its liabilities. The PSA holds between 15% and 25% of its net assets in investments other than real estate and real estate related investments, comprised of publicly traded, liquid investments. Determination of fair value of the real estate assets involves significant judgement. Valuation of the PSA’s real estate properties are based on real estate appraisals, which are estimates of property values based on a professional’s opinion and may not be an accurate predictor of the amount the PSA would actually receive if it sold a property. Appraisals can be subjective in certain respects and rely on a variety of assumptions (including comparable property sales and historic pricing) and conditions at that property or in the market in which the property is located, which may change materially after the appraisal is conducted. Among other things, market prices for comparable real estate may be volatile, in particular if there has been a lack of recent transaction activity in such market.

As the PSA generally obtains appraisals on a quarterly basis, there may be circumstances in the period between appraisals or interim valuation adjustments in which the true realizable value of a property is not reflected in the PSA’s daily NAV calculation or in the PSA’s periodic financial statements. This disparity may be more apparent when the commercial and/or residential real estate markets experience an overall and possibly dramatic decline (or increase) in property values in a relatively short period of time between appraisals.

The PSA is a separate account of the TIAA Traditional Annuity contract discussed further in Note 5. The PSA provides participants with a liquidity guarantee enabling the account to have funds available to meet participant redemption, transfer or cash withdrawals. TIAA-CREF guarantees that participants can redeem their accumulation unit value determined after their transfer or cash withdrawal request is received in good order. This guarantee qualifies the PSA for inclusion in the Plan’s investment options.

TIAA-CREF limits the availability of participants to transfer funds into the TIAA Real Estate Account. Specifically, individual participants are limited from making internal transfers into their account if, after giving effect to such transfer, the total value of such participant’s account (under all contracts issued to such participant) would exceed \$150,000.

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 4 – FAIR VALUE MEASUREMENTS (Continued)

Registered Investments

Mutual Funds: Mutual funds represent investments with various investment managers. The mutual funds are valued at the daily closing NAV as reported by the fund. Mutual funds held by the Plan are registered with the Securities and Exchange Commission. These funds are required to publish their daily NAV and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

Other Registered Investments: These separate accounts are registered investments that invest principally in equity securities, fixed-income instruments and short-term investments in accordance with each portfolio's investment objectives. Units held in the registered investments are valued at the NAV. The NAV is measured based on the fair value of the underlying investments held by the fund less its liabilities. The fair value of the underlying investments are determined using market quotations or prices obtained from independent pricing sources that may employ various pricing methods to value the investments, including matrix pricing. Money market account holdings are generally valued at amortized cost. On a daily basis, units in the registered investments are revalued to reflect performance of the underlying investments minus fees and charges.

Total Plan investment assets at fair value classified within level 3 were \$11,291,195, \$10,675,154 and \$10,573,396 as of December 31, 2022, 2021 and 2020, respectively, which consists of the Fixed Annuity Contract (NFBR). Such amounts were 21%, 17% and 18% of total investments at fair value as of December 31, 2022, 2021 and 2020, respectively.

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

	<u>2022</u>			
	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>Total</u>
Mutual Funds	\$ 35,853,061	\$ -	\$ -	\$ 35,853,061
Pooled-Separate Accounts	-	2,273,050	-	2,273,050
Fixed Annuity Contracts (NFBR)	-	-	11,291,195	11,291,195
Other Registered Investments	<u>5,179,174</u>	<u>-</u>	<u>-</u>	<u>5,179,174</u>
Total Fair Value Investments	<u>\$ 41,032,235</u>	<u>\$ 2,273,050</u>	<u>\$ 11,291,195</u>	<u>\$ 54,596,480</u>

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 4 – FAIR VALUE MEASUREMENTS (Continued)

	<u>Level 1</u>	<u>Level 2</u>	<u>2021</u> <u>Level 3</u>	<u>Total</u>
Mutual Funds	\$ 45,966,990	\$ -	\$ -	\$ 45,966,990
Pooled-Separate Accounts	-	2,232,983	-	2,232,983
Fixed Annuity Contracts (NFBR)	-	-	10,675,154	10,675,154
Other Registered Investments	<u>5,396,151</u>	<u>-</u>	<u>-</u>	<u>5,396,151</u>
Total Fair Value Investments	<u>\$ 51,363,141</u>	<u>\$ 2,232,983</u>	<u>\$ 10,675,154</u>	<u>\$ 64,271,278</u>

	<u>Level 1</u>	<u>Level 2</u>	<u>2020</u> <u>Level 3</u>	<u>Total</u>
Mutual Funds	\$ 42,996,524	\$ -	\$ -	\$ 42,996,524
Pooled-Separate Accounts	-	2,216,397	-	2,216,397
Fixed Annuity Contracts (NFBR)	-	-	10,573,396	10,573,396
Other Registered Investments	<u>2,183,087</u>	<u>-</u>	<u>-</u>	<u>2,183,087</u>
Total Fair Value Investments	<u>\$ 45,179,611</u>	<u>\$ 2,216,397</u>	<u>\$ 10,573,396</u>	<u>\$ 57,969,404</u>

Level 3 Gains and Losses

The table below sets forth a summary of changes in the fair value of the Plan's Level 3 investment assets for the year ended December 31:

	Fixed Annuity Contracts
Beginning balance, January 1, 2021	\$ 10,573,396
Interest	282,698
Purchases	815,022
Sales	<u>(995,962)</u>
Ending balance, December 31, 2021	10,675,154
Interest	456,988
Purchases	601,988
Sales	<u>(442,935)</u>
Ending balance, December 31, 2022	<u>\$ 11,291,195</u>

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 4 – FAIR VALUE MEASUREMENTS (Continued)

Quantitative Information Regarding Level 3 Fair Value Measurements

The following table presents information about significant unobservable inputs related to the Plan's investment in assets categorized as Level 3 in the ASC 820 fair value hierarchy at December 31:

Type	Fair Value	Principal Valuation Technique	Significant Unobservable Inputs	Range
2022 TIAA Traditional Annuity Contracts	\$ 11,291,195	Discounted cash flow / theoretical transfer (exit value)	Risk-adjusted discount rate applied	3.20 – 6.50%
2021 TIAA Traditional Annuity Contracts	\$ 10,675,154	Discounted cash flow / theoretical transfer (exit value)	Risk-adjusted discount rate applied	2.00 – 3.90%

NOTE 5 – INVESTMENT CONTRACTS WITH TIAA

TIAA-CREF Fixed Annuity Contracts

Fixed annuity contracts consist of the TIAA Traditional Annuity Contracts ("Annuity"). Annuity contracts are established between the participants and TIAA, an insurance company registered in the state of New York. The Annuity is offered in a variety of formats, including Group Retirement Annuities ("GRA"), Retirement Annuities ("RA"), Supplemental Retirement Annuities ("SRA"), Group Supplemental Retirement Annuities ("GSRA"), Retirement Choice Annuities ("RC") and Retirement Choice Plus Annuities ("RCP"). The Plan held RA, RC and RCP contracts at December 31, 2022 and 2021. The return of Annuity contributions plus interest to participants is subject to TIAA's claims-paying ability.

Annuity accounts are credited with a guaranteed minimum rate of interest that is determined annually. Participants may also earn interest in addition to the guaranteed rate at the discretion of TIAA. Such discretionary interest, if any, is declared by TIAA on a year-by-year basis and remains in effect for the subsequent twelve-month "declaration year".

Contributions to the Annuity accounts are grouped by TIAA into "vintages" comprised of premiums received over defined time periods of one or more contiguous calendar months. The interest crediting rate for each vintage is determined, in part, by the net investment earnings rate of the TIAA assets supporting that vintage, minus a charge for administrative expenses and an amount set aside for contingency reserves. Crediting rates are also determined by the performance of investments contained in TIAA's general account.

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020

NOTE 5 – INVESTMENT CONTRACTS WITH TIAA (Continued)

During the year ended December 31, 2022, the crediting rates of the annuity contracts were as follows:

% Range	
RA	4.00 - 6.25%
RC	4.25 - 6.50%
RCP	3.50 - 5.75%

During the year ended December 31, 2021, the crediting rates of the annuity contracts were as follows:

% Range	
RA	3.70%
RC	3.95%
RCP	3.20%

NOTE 6 – PLAN TERMINATION

Although it has not expressed any intent to do so, the Plan Sponsor has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA with advance notice. In the event of Plan termination, participants will remain 100% vested in their employer contributions.

NOTE 7 – TAX STATUS

The Plan adopted the Volume Submitter 403(b) Plan sponsored by TIAA-CREF, which received a favorable opinion letter on August 7, 2017, stating the prototype plan was designed in accordance with the provisions of the IRC. Accordingly, the trust's net investment income is exempt from income taxes. The Plan has been amended since receiving the opinion letter. However, the Plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable provisions of the IRC.

NOTE 8 – RELATED-PARTY AND PARTY-IN-INTEREST TRANSACTIONS

The Plan allows for transactions with certain parties who may perform services or have fiduciary responsibilities to the Plan. These parties include recordkeeping services.

Certain Plan investments were managed by TIAA-CREF. TIAA-CREF is the certifying entity of the Plan and therefore these transactions qualified as party-in-interest. Notes receivable from participants were also defined by ERISA as party-in-interest transactions.

**AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022, 2021 AND 2020**

NOTE 9 – SECURE ACT 2.0

On December 23, 2022, Congress passed the Consolidated Appropriations Act of 2023 which included SECURE Act 2.0. SECURE Act 2.0 contains over 90 new retirement provisions, with varying effective dates through 2027. Since SECURE Act 2.0 provisions include both required and optional elements, the plan administrator will determine the optional provisions to elect and amend the Plan document accordingly. Most of the significant provisions will become effective in 2024 and thereafter. Accordingly, there is no material impact to the Plan's 2022 financial statements.

SUPPLEMENTAL SCHEDULES

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
SCHEDULE H, LINE 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2022

EMPLOYER IDENTIFICATION NUMBER: 38-1616141
PLAN NUMBER: 003
FORM: 5500

(a)	(b)	(c)	(d)	(e)
	Identity of issuer, borrower, lessor, or similar party	Description of investment, including maturity date, rate of interest, collateral, par or maturity value	Cost**	Current Value
Mutual Funds:				
* TIAA-CREF		CREF Stock R2		\$ 12,202,644
* TIAA-CREF		CREF Money Market R2		462,092
* TIAA-CREF		CREF Social Choice R2		2,348,491
* TIAA-CREF		CREF Global Equities R2		1,934,168
* TIAA-CREF		CREF Growth R2		2,721,385
* TIAA-CREF		CREF Equity Index R2		1,797,471
* TIAA-CREF		CREF Inflation-Linked Bond R2		515,523
* TIAA-CREF		TIAA Access Core Bond Plus T4		20,122
* TIAA-CREF		TIAA Access Core Bond T4		12,838
* TIAA-CREF		TIAA Access Equity Index T4		11,984
* TIAA-CREF		TIAA Access Growth & Income T4		320,581
* TIAA-CREF		TIAA Access Infl-Lnkd Bond T4		60,830
* TIAA-CREF		TIAA Access Intl Equity T4		524,291
* TIAA-CREF		TIAA Access Lfcyle Rtm Inc T4		2,063
* TIAA-CREF		TIAA Access Lg-Cap Gr T4		154,940
* TIAA-CREF		TIAA Access Lg-Cap Val T4		590,050
* TIAA-CREF		TIAA Access Lifecycle 2010 T4		194
* TIAA-CREF		TIAA Access Lifecycle 2015 T4		243,251
* TIAA-CREF		TIAA Access Lifecycle 2020 T4		23,568
* TIAA-CREF		TIAA Access Lifecycle 2025 T4		174,675
* TIAA-CREF		TIAA Access Lifecycle 2030 T4		1,046,416
* TIAA-CREF		TIAA Access Lifecycle 2035 T4		814,776
* TIAA-CREF		TIAA Access Lifecycle 2040 T4		1,063,347
* TIAA-CREF		TIAA Access Lifecycle 2045 T4		999,286
* TIAA-CREF		TIAA Access Lifecycle 2050 T4		1,053,484
* TIAA-CREF		TIAA Access Mid-Cap Gr T4		141,263
* TIAA-CREF		TIAA Access Mid-Cap Val T4		361,654
* TIAA-CREF		TIAA Access Money Market T4		9,803
* TIAA-CREF		TIAA Access Real Est Secs T4		256,333
* TIAA-CREF		TIAA Access Sm-Cap BI Idx T4		250,705
* TIAA-CREF		TIAA Access Quant Sml Cp Eq T4		281,264
* TIAA-CREF		TIAA Access Social Ch Eq T4		53,938
* TIAA-CREF		CREF Core Bond R2		1,392,617
* TIAA-CREF		TIAA-CREF Eq Index-Inst		2,112,849
* TIAA-CREF		TIAA-CREF Sm-Cap BI Idx-Inst		1,665,331
* TIAA-CREF		TIAA-CREF Social Ch Eq-Inst		129,128
* TIAA-CREF		TIAA Access Lifecycle 2060 T4		60,239
* TIAA-CREF		TIAA Access Lifecycle 2055 T4		39,467
				<u>35,853,061</u>
Other Registered Investments:				
American		American Fd New Perspective R6		596,517
Vanguard		Vanguard Treasury MoneyMkt Inv		39,715
Western		Western Asset Core Bond IS		827,256
ClearBridge		ClearBridge Large Cp Growth IS		208,318
American		American Century Inf Adj Bd R6		778,377
Delaware		Delaware Ivy Intrnl Core Eq R6		1,264,122
JPMorgan		JPMorgan Equity Inc Fd Cla R6		549,643
MFS		MFS Mid Cap Growth Fund R6		92,346
American		American Cent MdCpVa Fd Cla R6		201,124
Alger		Alger Small Cap Focus Class Y		98,910
Vanguard		Vanguard Real Estate Idx Adm		522,846
				<u>5,179,174</u>
Fixed Annuity Contracts:				
* TIAA-CREF		Traditional Annuity Contract (NFBR)		11,291,195
* TIAA-CREF		TIAA Stable Value		597,539
* TIAA-CREF		Traditional Annuity Contract (FBR)		4,790,713
				<u>16,679,447</u>
Pooled Separate Account:				
* TIAA-CREF		TIAA Real Estate		<u>2,273,050</u>
Notes Receivable:				
* Participants		Notes receivable with variable maturities and interest rates ranging from 4.25% to 6.50%		<u>110,943</u>
				<u>\$ 60,095,675</u>

* Indicates a party-in-interest to the Plan as defined by ERISA

** Cost information has not been included in Column (d) because all investments are participant directed

AMERICAN SOCIETY FOR MICROBIOLOGY DC RETIREMENT PLAN
SCHEDULE H, LINE 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2021

EMPLOYER IDENTIFICATION NUMBER: 38-1616141
PLAN NUMBER: 003
FORM: 5500

(a)	(b)	(c)	(d)	(e)
	Identity of issuer, borrower, lessor, or similar party	Description of investment, including maturity date, rate of interest, collateral, par or maturity value	Cost**	Current Value
Mutual Funds:				
*	TIAA-CREF	CREF Stock R2		\$ 15,792,220
*	TIAA-CREF	CREF Money Market R2		527,529
*	TIAA-CREF	CREF Social Choice R2		2,840,215
*	TIAA-CREF	CREF Bond Market R2		1,698,651
*	TIAA-CREF	CREF Global Equities R2		2,538,928
*	TIAA-CREF	CREF Growth R2		4,168,338
*	TIAA-CREF	CREF Equity Index R2		2,470,786
*	TIAA-CREF	CREF Inflation-Linked Bond R2		576,284
*	TIAA-CREF	TIAA Access Core Bond Plus T4		23,577
*	TIAA-CREF	TIAA Access Core Bond T4		15,001
*	TIAA-CREF	TIAA Access Equity Index T4		14,938
*	TIAA-CREF	TIAA Access Growth & Income T4		418,577
*	TIAA-CREF	TIAA Access Infl-Lnkd Bond T4		68,936
*	TIAA-CREF	TIAA Access Intl Equity T4		644,987
*	TIAA-CREF	TIAA Access Lfcyle Rtmt Inc T4		2,376
*	TIAA-CREF	TIAA Access Lg-Cap Gr T4		232,149
*	TIAA-CREF	TIAA Access Lg-Cap Val T4		648,826
*	TIAA-CREF	TIAA Access Lifecycle 2010 T4		232
*	TIAA-CREF	TIAA Access Lifecycle 2015 T4		1,015,436
*	TIAA-CREF	TIAA Access Lifecycle 2020 T4		33,172
*	TIAA-CREF	TIAA Access Lifecycle 2025 T4		205,395
*	TIAA-CREF	TIAA Access Lifecycle 2030 T4		1,327,109
*	TIAA-CREF	TIAA Access Lifecycle 2035 T4		979,072
*	TIAA-CREF	TIAA Access Lifecycle 2040 T4		1,368,536
*	TIAA-CREF	TIAA Access Lifecycle 2045 T4		1,368,221
*	TIAA-CREF	TIAA Access Lifecycle 2050 T4		1,390,088
*	TIAA-CREF	TIAA Access Mid-Cap Gr T4		212,680
*	TIAA-CREF	TIAA Access Mid-Cap Val T4		411,966
*	TIAA-CREF	TIAA Access Money Market T4		9,732
*	TIAA-CREF	TIAA Access Real Est Secs T4		362,852
*	TIAA-CREF	TIAA Access Sm-Cap Bl Idx T4		316,887
*	TIAA-CREF	TIAA Access Quant Sml Cp Eq T4		339,679
*	TIAA-CREF	TIAA Access Social Ch Eq T4		72,233
*	TIAA-CREF	TIAA-CREF Eq Index-Inst		1,879,924
*	TIAA-CREF	TIAA-CREF Sm-Cap Bl Idx-Inst		1,757,855
*	TIAA-CREF	TIAA-CREF Social Ch Eq-Inst		107,344
*	TIAA-CREF	TIAA Access Lifecycle 2060 T4		77,926
*	TIAA-CREF	TIAA Access Lifecycle 2055 T4		48,333
				<u>45,966,990</u>
Other Registered Investments:				
	American	American Fd New Perspective R6		979,239
	Vanguard	Vanguard Treasury MoneyMkt Inv		36,028
	Western	Western Asset Core Bond IS		986,445
	ClearBridge	ClearBridge Large Cp Growth IS		259,018
	American	American Century Inf Adj Bd R6		824,179
	Delaware	Delaware Ivy Intrnl Core Eq R6		849,719
	JPMorgan	JPMorgan Equity Inc Fd Cla R6		330,596
	MFS	MFS Mid Cap Growth Fund R6		131,256
	American	American Cent MdCpVa Fd Cla R6		134,808
	Alger	Alger Small Cap Focus Class Y		358,638
	Vanguard	Vanguard Real Estate Idx Adm		506,225
				<u>5,396,151</u>
Fixed Annuity Contracts:				
*	TIAA-CREF	Traditional Annuity Contract (NFBR)		10,675,154
*	TIAA-CREF	TIAA Stable Value		236,343
*	TIAA-CREF	Traditional Annuity Contract (FBR)		4,338,454
				<u>15,249,951</u>
Pooled Separate Account:				
*	TIAA-CREF	TIAA Real Estate		<u>2,232,983</u>
Notes Receivable:				
*	Participants	Notes receivable with variable maturities and interest rates at 4.25%		<u>99,904</u>
				<u>\$ 68,945,979</u>

* Indicates a party-in-interest to the Plan as defined by ERISA

** Cost information has not been included in Column (d) because all investments are participant directed.

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

Name of Plan:

► American Society for Microbiology DC Retirement Plan

Employer Identification Number: ► 38-1616141

For plan year (beginning/ending): ► 1/1/2022 to 12/31/2022

Plan number: ► 003

(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
*	College Retirement Equities Fund variable annuities	TIAA Traditional Benefit Responsive		\$ 4,221,881.46
*	College Retirement Equities Fund variable annuities	TIAA Traditional Non Benefit Responsive		\$ 10,824,252.16
*	College Retirement Equities Fund variable annuities	TIAA Traditional Benefit Responsive 2		\$ 490,868.29
*	College Retirement Equities Fund variable annuities	TIAA Traditional Non Benefit Responsive 2		\$ 466,943.27
*	College Retirement Equities Fund variable annuities	TIAA Stable Value		\$ 597,539.14
	College Retirement Equities Fund variable annuities	Plan Loan Default Fund		\$ 77,962.36
*	College Retirement Equities Fund variable annuities	CREF Stock R2		\$ 12,202,643.46
*	College Retirement Equities Fund variable annuities	CREF Money Market R2		\$ 462,092.35
*	College Retirement Equities Fund variable annuities	CREF Social Choice R2		\$ 2,348,491.34
*	College Retirement Equities Fund variable annuities	CREF Global Equities R2		\$ 1,934,167.45
*	College Retirement Equities Fund variable annuities	CREF Growth R2		\$ 2,721,385.31
*	College Retirement Equities Fund variable annuities	CREF Equity Index R2		\$ 1,797,471.38
*	College Retirement Equities Fund variable annuities	CREF Inflation-Linked Bond R2		\$ 515,523.32
*	College Retirement Equities Fund variable annuities	TIAA Real Estate		\$ 2,273,050.07
*	College Retirement Equities Fund variable annuities	TIAA Access Core Bond Plus T4		\$ 20,121.76
*	College Retirement Equities Fund variable annuities	TIAA Access Core Bond T4		\$ 12,838.25
*	College Retirement Equities Fund variable annuities	TIAA Access Equity Index T4		\$ 11,984.26
*	College Retirement Equities Fund variable annuities	TIAA Access Growth & Income T4		\$ 320,580.93
*	College Retirement Equities Fund variable annuities	TIAA Access Infl-Lnk'd Bond T4		\$ 60,829.82
*	College Retirement Equities Fund variable annuities	TIAA Access Intl Equity T4		\$ 524,290.86
*	College Retirement Equities Fund variable annuities	TIAA Access Lfcyle Rtmt Inc T4		\$ 2,063.37
*	College Retirement Equities Fund variable annuities	TIAA Access Lg-Cap Gr T4		\$ 154,940.20
*	College Retirement Equities Fund variable annuities	TIAA Access Lg-Cap Val T4		\$ 590,050.02
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2010 T4		\$ 193.79
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2015 T4		\$ 243,251.36
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2020 T4		\$ 23,567.96
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2025 T4		\$ 174,675.03
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2030 T4		\$ 1,046,416.03
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2035 T4		\$ 814,776.00
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2040 T4		\$ 1,063,347.21
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2045 T4		\$ 999,286.05
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2050 T4		\$ 1,053,483.91
*	College Retirement Equities Fund variable annuities	TIAA Access Mid-Cap Gr T4		\$ 141,262.73
*	College Retirement Equities Fund variable annuities	TIAA Access Mid-Cap Val T4		\$ 361,653.53
*	College Retirement Equities Fund variable annuities	TIAA Access Money Market T4		\$ 9,802.32
*	College Retirement Equities Fund variable annuities	TIAA Access Real Est Secs T4		\$ 256,333.17
*	College Retirement Equities Fund variable annuities	TIAA Access Sm-Cap Bl Idx T4		\$ 250,704.89
*	College Retirement Equities Fund variable annuities	TIAA Access Quant Sml Cp Eq T4		\$ 281,263.88
*	College Retirement Equities Fund variable annuities	TIAA Access Social Ch Eq T4		\$ 53,937.87
*	College Retirement Equities Fund variable annuities	CREF Core Bond R2		\$ 1,392,617.12
*	College Retirement Equities Fund variable annuities	TIAA-CREF Eq Index-Inst		\$ 2,112,848.98
*	College Retirement Equities Fund variable annuities	TIAA-CREF Sm-Cap Bl Idx-Inst		\$ 1,665,331.07
*	College Retirement Equities Fund variable annuities	TIAA-CREF Social Ch Eq-Inst		\$ 129,127.93
	College Retirement Equities Fund variable annuities	American Fd New Perspective R6		\$ 596,517.33
	College Retirement Equities Fund variable annuities	Vanguard Treasury MoneyMkt Inv		\$ 39,715.12
	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2060 T4		\$ 60,238.98
	College Retirement Equities Fund variable annuities	Western Asset Core Bond IS		\$ 827,255.84
	College Retirement Equities Fund variable annuities	ClearBridge Large Cp Growth IS		\$ 208,318.08
	College Retirement Equities Fund variable annuities	American Century Inf Adj Bd R6		\$ 778,376.87
	College Retirement Equities Fund variable annuities	Delaware Ivy Intrnl Core Eq R6		\$ 1,264,122.46
	College Retirement Equities Fund variable annuities	JPMorgan Equity Inc Fd Cla R6		\$ 549,643.14
	College Retirement Equities Fund variable annuities	MFS Mid Cap Growth Fund R6		\$ 92,345.51
	College Retirement Equities Fund variable annuities	American Cent MdCpVa Fd Cla R6		\$ 201,124.17
	College Retirement Equities Fund variable annuities	Alger Small Cap Focus Class Y		\$ 98,910.26
	College Retirement Equities Fund variable annuities	Vanguard Real Estate Idx Adm		\$ 522,845.57
*	College Retirement Equities Fund variable annuities	TIAA Access Lifecycle 2055 T4		\$ 39,466.96
	College Retirement Equities Fund variable annuities	Participant Loan Fund		\$ 110,942.50
	Grand Total			\$ 60,095,675