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Education

2001	A.M.	<i>ad eundem gradum promotum.</i> , Brown University, Providence, RI
1987	Ph.D.	Biology University of California, Los Angeles, CA
1984	C. Phil.	Biology University of California, Los Angeles, CA
1981	B.S.	Biology York College, City University of New York, NY

Positions

2016 –	15 th Dean of the Graduate School., Brown University, Providence, RI I complete my 2 nd term as Dean on June 30, 2022, and elected to step down
2016 –	Professor of Medical Science., Brown University, Providence, RI
2001 – 2015	Associate Professor of Medical Science (tenured), Brown University, Providence, RI
1999 – 2000	Adjunct Assistant Professor of Biology, Morgan State University, Baltimore, MD
1994 – 2000	Assistant Professor of Medical Science (tenure track), Brown University
1991– 1994	Postdoctoral Fellow, Molecular Biology Institute, UCLA, Los Angeles, CA
1987 –1990	Postdoctoral Fellow, University of California, San Francisco, CA

I. Institutional Leadership and Service

A. Executive leadership

2016 – 2022 15th Dean of the Graduate School

Achievements as dean

- Achieved Graduate School's 10-year growth goal in the first 24 months as Graduate School Dean.
- Achieved Graduate School's 10-year [diversity goal](#) in the first 24 months as Graduate School Dean.
- Matriculated the most racially and ethnically diverse graduate school classes in 2017,18 and 19, reaching 133-year historic highs in each consecutive year.
- Contributed to sustained national ranking of Brown graduate programs: [US News and World Report](#).
- Increased Ph.D. Programs Selectivity (acceptance rate: record low of 8% in 2020 & 7.5% in 2021)
- Increased total Graduate School application numbers (domestic and international) each year since 2016.
- Expanded interdisciplinary graduate training through the [Doctoral Specialization Certificate Programs](#), and the Andrew W. Mellon Foundation-funded advanced dual degree '[Open Graduate Education](#)' Program.
- Instituted '[Transitional Stipend](#)' for matriculating Ph.D. students to relieve relocation cost financial burden.
- Established guidelines, policies and practices for [advising, mentoring](#), and [academic progress tracking](#).
- Created a faculty-approved '[Grievance Adjudication Process](#)' tailored to the needs of graduate students.
- Improved and streamlined Graduate School operations, including improvement of data-driven metrics.
- Improved day-to-day Graduate School operational efficiencies and staff capacity.
- Raised profile and visibility of the Graduate School, its practices, opportunities, and achievements across the university and nationally by [improving communications and outreach](#).
- For 24 PhD programs eliminated [standardized scores from the graduate admissions process](#).
- Prudent management of Graduate School finances

Executive leadership continued

2016 – 2022, 15th Dean of the Graduate School

Graduate School Overview

- Functions: Centralized admissions, application submission and approval of all admissions of students for graduate studies at Brown, Oversight for Orientation and Commencement Events, Conferral of all graduate degrees, Review, and approval of all academic programs, Programs Evaluation, Enrollment management, Operate with a centralized budget including funding for Research Assistants and Teaching Assistants, Dean’s Faculty Fellows, Funding support for Distinctive Opportunities, Co-curricular Programming, Travel, *etc.*
- Population: 2700 students: (1500 Ph.D., 1040 Masters, 5th-year masters, and Non-degree students)
- Programs: 51 doctoral programs, ~30 Masters Programs, 5 Professional Masters
- Staff: 20 Full-Time Graduate School Employees

- 2016- Member: Brown University Academic Priorities Committee
 Duties: (Paraphrased text and partial description of committee functions).
 Make recommendations to the President on matters relating to all academic programs including recommendations on academic resource allocation for operational, instructional, and research purposes. Review academic budget proposals, review proposals to establish and/or renew departments, centers, programs, and institutes, and with recommendations to be made to the faculty for approval. Review of proposals for new graduate degree programs and new undergraduate concentrations, in coordination with the Graduate Council and College Curriculum Council. Supervises external reviews of academic units. Review proposals for new University-level joint efforts with other institutions and make recommendations to the President.
- Chair: Richard M. Locke, Provost of the University
- 2016- Member: Brown University Tenure, Promotions, and Appointments Committee. Ex-officio
 Duties: (Paraphrased text and partial description of committee functions).
 TPAC reviews recommendations regarding the renewal of appointments of Instructors, Lecturers, and Assistant Professors, and the promotion to the ranks of Senior Lecturer, Associate, and full Professor. TPAC is responsible for awarding tenure to untenured faculty members – acting on the recommendations of academic departments for appointment renewal, promotion, and tenure. The Committee shares its recommendations with the appropriate dean and with the Provost of the university, which are then forwarded to the President and the Corporation for final action.
- Chair: Prof. Harold Cook (Through to June 30, 2022)
- 2016- Member: Brown University Graduate Council
 Duties: (Paraphrased text and partial description of committee functions).
 The Graduate Council sets policy for the Graduate School subject to the approval of the Faculty and the Board of Fellows. This includes determining conditions for admission to the Graduate School and the procedures for the award of graduate fellowships and scholarships, review of degree requirements, approval of new courses and other modifications of existing degree programs, and approval and recommendation to the Faculty new degree programs. It will also consider the cessation of any degree program.
- Chair: Self: Andrew G. Campbell (Through to June 30, 2022)

B. Other University-wide Leadership and Service

- 2016 Co-Chair Brown University Diversity & Inclusion Oversight Board (Resigned after appointed dean)
 Duties: Review and ensure compliance with institutional diversity & inclusion action plans. Review survey data and studies on diversity and inclusion and make recommendations to the Provost for improvements. Reviewed annual reports on diversity and inclusion in consultation with relevant bodies. Communicated with community on DIAP progress.
- 2015 Member Search Committee for Associate Dean of the Graduate School for Diversity
 Duties: Evaluated and select the candidate who will provide leadership and vision for Diversity experiences of students at Brown University
- 2015 Member Search Committee for Vice-President for Campus Life and Student Services
 Duties: Evaluated and select the Vice President who will provide leadership and vision for experiences of students at Brown University
- 2014 Co-Chair The Brown University Third World Center (TWC) Strategic Planning Committee
 Duties: Evaluated the future, mission, and priorities of the Third World Center & renamed the Center as 'The Brown Center for Students of Color (BCSC)
- 2012-14 Chair The Brown University Sheridan Center for Teaching & Learning Advisory Board
 Duties: Lead planning, making decisions, and acting according to its role as advisor to The Center and its Director including assisting the director with the short and long term planning for the Center, providing judicious advice, advocating for the Center, and its programs in support of its teaching and learning mission. Provided support for Center recommendations
- 2011- 16 Institutional Faculty Representative, The Federal Demonstration Partnership (FDP)
 Duties: Engaged in shaping policy and practices to improve functioning, communications and interfaced with federal agencies to improve research funding and science policy.
- 2011 Member Brown Committee on Reserve Officer Training Corps (ROTC)
 Chair: Katherine Bergeron, Chair & Dean of the College (President, Connecticut College)
 Duties: Reviewed military education at Brown, to evaluate ROTC policies and recommend to the President Brown's role in the officer training programs
- 2010-14 Member Sheridan Center for Teaching & Learning Advisory Board
 Chair: Lundy Braun, Professor of Medical Science & Professor of Africana Studies
 Duties: Advised and counseled Center staff on policy and direction to remain responsive to the broad and complex needs of the entire Brown teaching community.
- 2009 –16 Chair Brown University Institutional Student Disciplinary Board
 Duties: Reviewed cases and made recommendations for action regarding alleged non-academic violations of the University Code and Tenets of Behavior. Made Recommendations for actions and sanctions for violation of the code to the Vice-President
- 2008: Member Search Committee for Vice-President for Human Resources
 Chair: Elizabeth Huidekoper, Executive Vice-President for Finance & Administration
 Duties: Screened, interviewed, and selected candidates for the position of Vice President
- 2007-08 Member Tenure, Promotions & Appointments Committee
 Chair: Prof. Martin Maxey, Professor of Applied Mathematics
 Duties: Reviewed recommendations for renewal of appointments, promotion, and awarding of tenure

B. Other University-wide Administrative leadership and services continued

2006-16	Chair	Brown University Institutional Biological Safety Committee
	Duties:	Chaired committee responsible for biosafety regulation and oversight in the Medical School and University for recombinant DNA research. Reviewed and approved protocols involving biological materials (e.g., infectious agents) and other potential bioagents. Ensure institutional compliance with NIH and CDC guidelines
2005 -08	Vice-Chair	University Resources Committee
	Chairs:	Robert J. Zimmer, Provost (President, University of Chicago 2006) David Kertzer, Provost & Professor of Anthropology (Effective 2006)
	Duties:	Reviewed, analyzed, and offered recommendations to the President on budgetary plans, proposals, and priorities, both current and future, affecting the University. Maintained awareness of budgetary matters throughout the University. Analyzed & made recommendations regarding allocation of resources for each fiscal year and long-range plans. Reported to the President analysis and policy recommendations concerning the allocation of resources within the University.
2003 -05	Member	Brown University Institutional Biological Safety Committee
	Chair:	Dr. Peter Shank, Associate Dean for Biology & Medicine
	Duties:	Responsible for biosafety regulation and oversight throughout the University and Medical School for research using recombinant DNA. Reviewed and approved protocols involving bioagents and other potentially biohazardous agents. Ensure compliance with NIH guidelines
2003-04	Member	Search Committee Associate Provost & Director of Institutional Diversity
	Chair:	Dr. Ruth J. Simmons, President of the University
	Duties:	Selected and interviewed candidates (Position filled by Dr. Brenda A. Allen)
2002-03	Member	Search Committee Director – Center for the Study of Race and Ethnicity in America
	Chair:	Dr. Cynthia Garcia-Coll., Professor of Educ., Psych. & Pediatrics
	Duties:	Recommended to the president candidates for the position of Director
2001-16	Member	Brown University Institutional Disciplinary Council
	Chairs:	Dr. Diane Lipscombe, and Dr. Joseph Pucci
	Duties:	Reviewed case files and made recommendations for action regarding alleged non-academic violations of the University Code and Tenets of Behavior
1999-01	Member	Campus Police and Security Committee
	Chair:	Colonel Paul Verrecchia, Chief of Police (retired)
	Duties:	Addressed issues and developed policies related to overall campus safety and security
1999	Member	The Brown University Committee on Doctoral Education
	Chair:	Peter Weber, Professor of Chemistry & Dean of the Graduate School
	Duties:	Evaluate the future of doctoral education at Brown University. Make final recommendations to the President and Provost of the university

C. Division of Biology & Medicine Administrative Leadership

2003–09	Chair, Graduate Program in Pathobiology (https://www.brown.edu/academics/pathobiology/)
	<ul style="list-style-type: none"> • Oversaw operations of this Ph.D. program of ~50 Ph.D. students, MD/Ph.D. students, Masters' students and 50 faculty at the Brown University's College Hill campus, affiliated 'Lifespan' hospitals, downtown 'Molecular Medicine' and Marine Biological Laboratory • Responsible for oversight, establishing charges and guidelines of all graduate program committees, and appointing faculty and students to committees. • Supervised Programs Coordinator, Program Asst. & Assoc. Program Director.

C. Division of Biology & Medicine administrative leadership continued

- 2003–09 Chair, Graduate Program in Pathobiology continued
- Served as the initial chair of all student committees, advising on Ph.D. work progress
 - Worked with a modest budget to sustain program activities including seminar series, workshops, student attendance at regional and national meetings.
 - Served as program's first program Liaison to the Brown – MBL program
 - Appointed and worked with Steering Committee to set policy & establish program priorities
 - Oversaw and managed student placement on multiple program training grants
 - Admitted the first Ph.D. students (April Shiflett and Justin Widener) into the newly formed institution-wide MBL-Brown graduate program.
 - Revised & streamlined curriculum to reduce time to Ph.D. degree from ~6.5 to ~5.5 years.
 - Increased numbers of students of color (Black and Hispanic) from 5% to ~30% through 2009.
 - (Oversaw awarding of Ph.D. degrees to two of the first three African American graduates).
 - Increased program faculty membership /Increased graduate student population 27%
 - Served as one of the original architects to establish the 'banking concept' leading to financial operational independence of the Ph.D. programs in the Division of Biology & Medicine
- Outcomes: Pathobiology ranked 1st among all BioMed biology graduate programs at Brown in the 2010 National Research Council Graduate Program rankings
- 2008-pres. Program Director and PI, The Brown IMSD Program (<http://biomed.brown.edu/imsd/about/>)
- Established the IMSD training program to increase the numbers of URMs in all graduate Programs in BioMed and the School of Public Health. Co-PI: Nancy Thompson (2008-12)., Co-PI: Elizabeth Harrington (20012 – present)
 - Conceptualized the program's signature faculty-led training modules to enhance student academic skills and understanding & preparation for graduate training
 - Worked with the Office of the Dean of Medicine to oversee the program
- Outcomes:
- a. Erased achievements gaps between underrepresented & majority BioMed graduate students and institutionalize practices that help to increase graduate student scholarly achievements.
 - b. Brown University ranked 27th nationally in producing African-American Ph.D. holders in the biological sciences [[Diverse 2017](#)]
 - c. Expanded program to all 21 STEM Ph.D. programs across the university
- 2007-2009 Coordinator, The Brown –MBL) Graduate Program in Biological and Environmental Sciences (Program terminated)
- Worked with counterpart at the MBL to oversee program operations
 - Oversaw operation of the Joint Brown-MBL Ph.D. Graduate Program of 16 doctoral students at the MBL in Woods Hole, MA, and 6 affiliated University Graduate Programs.
 - Chaired Graduate Program Steering Committee and Admissions Committee
 - Served as liaison to the Brown University and MBL Provost's Offices
- 2002-03 Assoc Director / Vice-Chair, The Pathobiology Graduate Program
Duties: Assisted in day-to-day training of Ph.D. and MMS degree candidates
- 2002 –07 Member Internal Advisory Panel. GAANN Training Grant
Duties: Selected, appointed, and advised Dept. of Education doctoral grant trainees
- 2001-02 Chair Pathobiology Graduate Program Admissions Committee
Duties: Reviewed applications of prospective students to the graduate program, organized Admissions weekend and selected the entering class of 2002.
- 2000-01 Chair Pathobiology Graduate Training Program Retreat
Duties: Organized annual scientific gathering of the Pathobiology Graduate Program.

C. Division of Biology & Medicine administrative leadership continued

1998-99	Chair	Pathobiology Graduate Training Program Retreat /Organized Program retreat.
1994-98	Admissions Committee Member, MCB Ph.D. Graduate Program Admissions Committee Chair: Dr. Al Dahlberg, Professor of Medical Science/ Dr. Kim Boekelheide Duties: Selected candidates for admission to the program	
1995-96	Chair MCB Graduate Training Program Retreat Duties: Organized Graduate Programs' annual academic retreat	
1994-95	Vice-ChairMolecular Biology, Cell Biology & Biochemistry Graduate Program Retreat Duties: Organized Program's annual academic retreat. (Kenneth Zaret., Director)	
2002-03	Associate Director / Vice-Chair, The Pathobiology Graduate Program Duties: Assisted in day-to-day training of Ph.D. and MMS degree candidates	
2002 – 07	Member Internal Advisory Panel. GAANN Training Grant Duties: Selected, appointed, and advised Dept. of Education doctoral grant trainees	
2001-02	Chair Pathobiology Graduate Program Admissions Committee Duties: Reviewed applications of prospective students to the graduate program, organized Admissions weekend and selected the entering class of 2002.	
2000-01	Chair Pathobiology Graduate Training Program Retreat Duties: Organized annual scientific gathering of the Pathobiology Graduate Program.	
1998-99	Chair Pathobiology Graduate Training Program Retreat /Organized Program's retreat.	
1994-98	Admissions Committee Member, MCB Ph.D. Graduate Program Admissions Committee Chair: Dr. Al Dahlberg, Professor of Medical Science/ Dr. Kim Boekelheide Duties: Selected candidates for admission to the program	
1995-96	Chair MCB Graduate Training Program Retreat Duties: Organized Graduate Programs' annual academic retreat	
1994-95	Vice-Chair, Molecular Biology, Cell Biology & Biochemistry Graduate Program Retreat Duties: Organized Program's annual academic retreat. (Kenneth Zaret, Director)	
2008	Member Dept. of Molecular Microbiology & Immunology Search Committee Chair: Dr. Peter Shank, Professor of Medical Science Duties: Evaluated and selected candidates for the position of Assistant Professor	
005	Chair Dept. of Molecular Microbiology & Immunology Search Committee Duties: Evaluated and selected candidates for the position of Assistant Professor (Filled by Dr. Richard Bennett, University of California, San Francisco)	
2004-05	Chair Dept. of Molecular Microbiology & Immunology Search Committee Duties: Led committee which oversaw selection of the candidate for the position of Assistant Professor of Biology (Position filled by Dr. Richard Bennett, UCSF)	
2003-04	Chair Dept. of Molecular Microbiology & Immunology Search Committee Duties: Led committee which oversaw selection of the candidate for the position of Assistant Professor of Medical Science (position not filled)	

C. Division of Biology & Medicine administrative leadership continued

2002-03	Member	Dept. of Molecular Microbiology & Immunology Search Committee Chair: Dr. Christine Biron, Esther Brintzenhoff Professor of Medical Science Duties: Evaluated and selected candidates for the position of Assistant Professor (Position filled by Dr. Wen-Ming Chu, University of California, San Diego)
2000-01	Member	Dept. of Molecular Microbiology & Immunology Search Committee Chair: Dr. Christine Biron, Esther Brintzenhoff Professor of Medical Science Duties: Evaluated and selected candidates for the position of Professor of Medical Science. (Filled by Dr. Laurent Brossay, Scripps Research Institute, CA)
2000-01	Member	Dept. of Molecular Microbiology & Immunology Search Committee Chair: Dr. Christine Biron, Esther Brintzenhoff Professor of Medical Science Duties: Evaluated and selected candidates for the position of Assistant Professor (Position filled by Dr. George Yap, NIH, Bethesda, MD)
1995-96	Chair	Dept. of Molecular Microbiology & Immunology Seminar Series
1995-96	Member	Dept. of Molecular Microbiology & Immunology Search Committee Chair: Dr. Paul Knopf, Charles A Stuart Professor of Medical Science Duties: Evaluated and selected candidates for the position of Assistant Professor (Position filled by Dr. Walter Atwood, NIH, Bethesda, MD)
2008-2015	Advisor	Freshman, and Biology Concentrators Duties: Provided academic guidance to college freshmen who have not yet declared majors
2003-04	Member	Brown University Howard Hughes Undergraduate Award Committee Chair: Dr. Marjorie Thompson (Deceased), Associate Dean for Undergraduate Biology Duties: Selected undergraduates for research & teaching awards
2003-04	Member	Undergraduate Senior Prize Awards Committee Chair: Dr. Marjorie Thompson (Deceased), Associate Dean for Undergraduate Biology Duties: Evaluated and awarded senior prizes to graduating undergraduate students
2002 – 03	Member	Brown University Biology Undergraduate Curriculum Committee Chair: Dr. Marjorie Thompson, Associate Dean for Undergraduate Biology Duties: Reviewed, Revised and Approved undergraduate biology courses & programs
2002-pres.	Advisor	Undergraduate Biology Majors Duties: Advised students in their academic planning
1994 - 2000	Member	School of Medicine Committee on Multiculturalism Chair: Dr. Alicia Monroe, Associate Dean of the Medical School Duties: Addressed diversity issues impacting medical students & faculty in healthcare

D. National Senior Administrative and Leadership Positions

2021-	Member	Board of Directors, Coalition for the Life Science
2021-	Council Member	American Society for Cell Biology
2017-	Member	Providence-Boston Center for AIDS Research Oversight Committee
2020-22	Chair	The Council of Graduate Schools Board of Directors
2019-21	Chair	The Council of Graduate Schools Investment Committee
2017-22	Member	The Council of Graduate Schools Board of Directors
2017-22	Member	Board of Administration., George A. and Eliza Gardner Howard Foundation

II Professional Academic Positions, Awards, and Appointments

a. Directorships

2017 –	Co-PI/Co-Director, Brown Postbaccalaureate Research Education (PREP) Program
2013 – 16	PI, Organizer & Chair, The Northeast Regional Scientific Training (NEST) Program
2012 –15	Chair, Brown University Sheridan Center for Teaching & Learning Advisory Board
2012 –13	Co-Director/Co-PI, The Brown University Undergraduate Short-Term Summer Research Program to Increase Diversity
2010 – 13	Director/Co-PI Dept. of Ed. Graduate Assistance in Areas of National Need Program
2008 – Present	Director/PI, Brown Univ. Initiative to Maximize Student Development Program
2007 – 10	Director, The Brown - Marine Biological Laboratory Graduate Program
2003 – 09	Director, The Brown University Pathobiology Graduate Program

b. Academic Honors & Awards

2020	Elected Fellow , American Association for the Advancement of Science (AAAS)
2020	Selected Member, 100 Inspiring Black Scientists in America
2017	Elected Fellow , American Society for Cell Biology
2015	Recipient, Brown University Presidential Award for Excellence in Faculty Governance
2010	Recipient, The York College/CUNY 2010 Distinguished Alumni Award
2010	Recipient, The Brown University Harriet W. Sheridan Center Award and Medal For Distinguished Contributions to Teaching & Learning
2008	Recipient, Brown University Samuel M Nabrit Society Ruth J. Simmons Award
2001– 02	Recipient, Brown University School of Medicine Dean's Teaching Excellence Award
1998– 99	Recipient, American Foundation for AIDS Research (AmFAR) Investigator Award
1997 -2001	Recipient, National Science Foundation CAREER Award
1997	Invited Participant., Course on Vectors and Vector-Borne Diseases, Mali, W. Africa
1987– 90	Recipient, University of California President's Postdoctoral Fellowship, UCSF

c. Editorial Board Service /Manuscript Reviewer

Nucleic Acids Research, Genomics, Biochemistry, Molecular Biology and Evolution, International Journal of Biochemistry and Cell Biology, American Journal of Tropical Medicine and Hygiene, Current HIV Research, CBE-LSE, BioScience, International Journal of Intercultural Relations, BioMed Central, UI Journal, FASEB J, PeerJ., Journal For STEM Education Research

d. Federal Study Sections/Panels

2020-	Member	NIH/NIGMS TWD-A Study Section
2020	Reviewer	Center for Scientific Review ZRG1 F13-Z(20) Fellowships [March, July]
2019	Chair	NIGMS / NIH Special Emphasis Panel ZGM1 TRN-A (CF) [June]
2015	Reviewer	NIGMS / NIH TWD-C Study Section. IRACDA Program Review [March]
2015	Reviewer	NIGMS / NIH TWD-C Study Section. PREP & IMSD Programs Review [June]
2015	Reviewer	NIGMS / NIH TWD-C Study Section. PREP & IMSD Programs Review [Nov]
2014	Chair	NIH ZRG1 BBBP-J53 (Office of the NIH Director) NIH National Research Mentoring Network (NRMN) (P20) Grant [July]
2014	Reviewer	NIGMS / NIH TWD-C Study Section. PREP & IMSD Program Review [July]
2013	Reviewer	NIGMS / NIH TWD-C Study Section. MARC and RISE Program Review [March]
2013	Co-Chair	NIH ZRG1 BBBP-J51 R NIH NRMN Planning Grant [July]
2013	Reviewer	NIGMS / NIH TWD-C Study Section. PREP and IMSD Program Review [June]
2013	Reviewer	NIGMS / NIH TWD-C Study Section. RISE and BRIDGES Program Review [Nov.]
2012	Reviewer	NIGMS / NIH TWD-C Study Section [Oct]
2012	Reviewer	NIGMS / NIH MPRC-B Study Section. Minority Programs Subcommittee B Postbaccalaureate Research Education Program (PREP) (R25) Program Review [July]

e. Federal Study Sections/Panels continued

2012	Reviewer	NIGMS / NIH BRT-A (T32) Study Section Biomedical Research and Research Training T32 Program Review Committee [June]
2012	Reviewer	National Institute of General Medical Sciences / NIH Special Emphasis Panel ZGM1 MORE-2 (IR) [March] Institutional Research and Academic Career Development Awards (K12) Programs
2011	Reviewer	National Institutes of Health/CSR ZRG1 F08-E 20: Interdisciplinary Molecular Sciences & Training.
2011	Reviewer	(Postdoctoral & Predoctoral) National Institutes of Health/CSR ZRG1 F08-E 20: Fellowship: Genes, Genomes, and Genetics
2010	Reviewer	National Institutes of Health/CSR. ZRG1-IMST-D 29 ZRG1 F08-E 20: Fellowship: Genes, Genomes, and Genetics
2010	Reviewer	National Institutes of Health/CSR. ZRG1-F08-E 20: Fellowship
2010	Reviewer	NIH/CSR. ZRG1 F08-E 20: Fellowship: Genes, Genomes, and Genetics
2009	Reviewer	National Institutes of Health/CSR. ZRG1-CB-N 29L (Diversity Pre-Doctoral Fellowships; Integrative & Biological Sciences)
2009	Reviewer	National Institutes of Health/CSR. ZRG1-IMST-E 29 [Pre-doctoral Fellowships]
2007	Reviewer	National Institutes of Health/CSR, ZRG1-GGGT-40 (Genes, Genomes & Genetics) (Minority pre-doctoral Fellowships) Panel]
2006	Reviewer	National Institutes of Health/CSR. ZRG1-F13 Panel (Post-doctoral Fellowships)
2004	Reviewer	ZRG1 CDF-1 (29) Special Emphasis Panel (Predoctoral Fellowships)
2004	Reviewer	National Institutes of Health/CSR. ZRG1-F13 (Post-doctoral Fellowships)
2002	Member:	The Committee of Visitors (COV). Division of Integrative Biology & Neurosciences External Reviewer of The National Science Foundation Biology Directorate,
2002	Reviewer	National Science Foundation Molecular Biochemistry Panel

f. National, Regional and Local Service/Panel Memberships & Grant Reviews

2016-20	Member	Virginia Tech – UT Austin NSF Graduate Funding Program Advisory Board
2014	Member	Morgan State University ASCEND Center for Biomedical Research Advisory Board
2014	Member	The Howard Hughes Medical Institute (HHMI) Special Advisory Board
2013	Reviewer	The Brown University Sheridan Center Mentoring Grant Initiative
2008	Reviewer	North Carolina Biotechnology Center Grant Program
2005	Reviewer	Rhode Island Hospital Cancer Center of Biomedical Research Grant Program
2004	Reviewer	Lifespan/Brown/Tufts University Center for AIDS Research Grant Program
2000	Reviewer	Department of Medicine, Rhode Island Hospital Grant Program
2000	Member	National Science Foundation, Molecular Biochemistry Grant Review Panel

III Other Academic Appointments, and Service to the Profession and Field

2017-19	Member	RISE External Advisory Board, Universidad Del Central Caribe, Puerto Rico
2012-13	Member	Joint NIH – Howard Hughes Medical Institute Committee on STEM Persistence
2012-15	Member	NIH/NIGMS-Training, Workforce Development & Diversity Program Advisory
2012-14	Vice-Chair	American Society for Cell Biology (ASCB) Minorities Affairs Committee
2014-15	Co-Chair	American Society for Cell Biology Minorities Affairs Committee
2013-14	Member	Advisory Board, The North Carolina A & T State University NIH BUILD Program
2013-14	Member	Advisory Board Member, Xavier University of New Orleans NIH BUILD Program
2013-14	Chair	American Society for Cell Biology Minorities Affairs Nominations Committee
2013-14	Member	NIH – Howard Hughes Medical Institute Working Group on STEM Persistence
2013-14	Chair	American Society for Cell Biology Minorities Affairs E. E. Just Lecturer Committee
2010-14	Chair	American Society for Cell Biology Minorities Affairs Visiting Professorship Committee
2010-16	Member	American Society for Cell Biology (ASCB) Minorities Affairs Committee
2010	Member	ASCB-Minority Affairs Committee 2010 Visiting Professorship Review Committee
2005	Reviewer	Annual Biomedical Research Conference for Minority Students (ABRCMS) Abstracts

III Other Academic Appointments, and Service to the Profession and Field continued

1999	Participant	American Society for Cell Biology Minority Affairs Committee Woods Hole Summer Research Awards Program, Woods Hole, MA
1999	Organizer	7th Meeting of the New England Association of Parasitologists
1996	Charter Member	The New England Association of Parasitologists (NEAP)
1996	Co-Organizer	2nd Meeting of the New England Association of Parasitologists (NEAP)

IV. Academic Collaborators & Other Affiliations

2013	Member	Advisory Board and collaborator., BUILD Planning Grant (NIH RFA-RM-13-001). North Carolina A & T State University.
2013	Member	Advisory Board Member and collaborator., BUILD Planning Grant (NIH RFA-RM-13-001). Xavier University of Louisiana, New Orleans Project 'ATTAIN': Increasing Participation of Xavier Students in the Workforce.
2013	Participant	NRMN Planning Grant (NIH RFA-RM-13-002). Workshop. Univ. Virgin Islands., Building on UVI Success: A Creative Problem Solving Approach.
2013	Collaborator	NRMN Planning Grant (NIH RFA-RM-13-002) Boston College., Society for the Advancement of Chicanos and Native Americans 'Consortium for the National Research Mentoring Network'. Role: External Advisory Board

V. Thesis Committees

a. Ph.D. Thesis Committees

Ailing Duggan	Brown University Pathobiology Graduate Program The Interaction Between BK Virus and Host Cell Receptors. Ph.D. Granted 2008
Justin Widener	Brown University Pathobiology Graduate Program /Marine Biological Laboratory Trypanosome Lytic Factor Ph.D. 2007. Advisor: Dr. Stephen Hajduk
April Shiflett	Brown University Pathobiology Graduate Program/Marine Biological Laboratory 'Characterization of The Trypanosome Lytic Factor'. Ph.D. 2006. Advisor: S. Hajduk
Melvenia Martin	Brown University Pathobiology Program (Hurricane Katrina Displaced student). Molecular Characterization of Immortalized human uterine Leiomyoma Cell Lines: A Fibroid Model Ph.D. 2006. Advisor: Dr. John Mclachlan
Liz Lavigne	Brown University Pathobiology Graduate Program. Ph.D. granted 2004 C. albicans soluble factors and macrophage migration. Advisor: Dr. J. Reichner
Gretchen Gee	Brown University MCBG Graduate Program. Ph.D. 2004 JV Virus Cellular Tropism and Gene Expression. Advisor: Dr. Walter Atwood
Brooke Pearson	Brown University Pathobiology Graduate Program Ph.D. 2003 Genetic & Biochemical Studies of T brucei. Ribonuclease H. Advisor: A G. Campbell
Becky Sweigardt	Brown University Pathobiology Graduate Program. HIV-1 Infection of Human Astrocytes: 'Viral Tropism and the Potential Role of Chemokine Receptors in Viral Entry'. Ph.D. 2001. Advisor: Dr. W. Atwood
Lynette Garrity	Dept. of Microbiology and Molecular Genetics, Harvard Medical School The identification of virulence genes of Leishmania major by Functional Rescue. Ph.D. 1998. Advisor: Dr. Stephen Beverley
Richard Bungiro	Pathobiology Graduate Program. Ph. D 1998. Advisor: Dr. Paul Knopf 'Interleukin-12 As an Adjuvant for Vaccination Against Schistosoma mansoni'.
Mary Petzke	Brown Pathobiology Graduate Program. Ph.D. 1995. Advisor: Dr. P Knopf. 'Immunological Characterization of a 47 – A.A. Segment of a Candidate Vaccine Schistosoma Antigen'.

b. MMSc. Thesis Committees

- Kathryn L. Ponder The Effects of Maternal Mood, Antidepressant Use, Fetal Sex and Genotype on Placental Gene Expression: Implications for Fetal programming. MMS 2010
- Wesley Wu Qualitative & Quantitative Analysis of Morphologically Similar Natural and Post-Traumatic Hartley Guinea OA Models and the Role of SDF-1 in Pathogenesis. MMS 2010
- Akacia Halliday Apicomplexan Parasites in Caribbean Reef Fish. Center for Marine and Environmental Studies. The University of the Virgin Islands. 2017. Advisor; Dr. Jennilee Robinson

VI. Professional Society Membership

- American Association for the Advancement of Science (AAAS)
 American Society for Biochemistry and Molecular Biology (ASBMB)
 American Society for Cell Biology (ASCB)
 New England Association of Parasitologists (President 2000-2001)

VII. Publications. Corresponding author underlined

25. Improved and Sustained Graduate Programs Diversity: A 10-year Analysis and Summary of Best Practices of the Brown University IMSD Program. **Campbell, AG.**, Thompson, NL., Duncan, M., and EO Harrington. *Journal For STEM Education Research* 2021. Dec: 4(3): 257-277. PMID: PMC8713804. NIHMS1763072 Published online 2021 Jul 8. doi: [10.1007/s41979-021-00057-z](https://doi.org/10.1007/s41979-021-00057-z)
24. Environmental correlates of prevalence of an intraerythrocytic apicomplexan infecting Caribbean damselfish Akacia Halliday-Isaac, Jennilee Robinson, Edwin Cruz-Rivera, **Andrew G. Campbell**, Paul C. Sikkell. *Parasitologia*, 2021, 1 69–82. <https://doi.org/10.3390/parasitologia1020009>
23. Estrada, M., Burnett M., **Campbell, A G.**, Campbell PB, Denetclaw WF., Gutierrez CG., Hurtado S., John GH., Matsui J., McGee R., Okpodu CM., Robinson JT., Summers MF., Werner-Washburne M and ME Zavala 2016. Improving Under-Represented Minority Student persistence in STEM. *CBE Life Sciences Education*. 15:es5, 1–10, Fall 2016. <http://www.lifescied.org/content/15/3/es5.full.pdf+html>
22. Ramdial, S-A. A, & **Andrew G. Campbell** ¹. (2014) Re-Imagining the Pipeline: Advancing STEM Diversity, Persistence & Success. *BioScience* 64 (7) 612-618. *BioScience* first published online June 3rd, 2014 [doi:10.1093/biosci/biu076](https://doi.org/10.1093/biosci/biu076) Profiled in The Huffington Post: Stemming the leaks and backflow in the STEM Diversity Pipeline <http://www.huffingtonpost.com/andrew-g-campbell/stemming-the-leaks-and-backflow-in-the-stem-diversity-pipeline> Profiled by The American Society of Civil Engineering; 'Paradigm Shift proposed for 'Leaky STEM Pipeline': <http://www.asce.org/CEMagazine/Article.aspx?id=23622331686#.U7s98agccg1>
- 21 **Campbell, Andrew G** . , Skvirsky, R., Wortis, H., Thomas, S., Kawachi, I and Hohmann, C. 2014. Meetings Report. NEST 2014: Views from the Trainees – Talking about What Matters in Diversifying the STEM Workforce. *CBE Life Sciences Educ*. [doi: 10.1187/cbe.12-04-0054. PMID: 23463225 <http://www.lifescied.org/content/12/1/19.full>]
20. N. L. Thompson, & **A. G. Campbell** (2013) Addressing the Challenge of Diversity in the Graduate Ranks: Good Practices Yield Good Outcomes *CBE Life Sciences Educ*. Vol 12, 19-29, March 4, 2013. [doi: 10.1187/cbe.12-04-0054](https://doi.org/10.1187/cbe.12-04-0054). PMID: 23463225 [Profiled in: a. *Chronicle of Higher Education* March 2013, b. *JBHE*. March 2013., and c. AAAS blog: Capital Connection: How sequestration is affecting training program directors. Sept 24th 2013., DE Chubin: <http://membercentral.aaas.org/blogs/capitol-connection/how-sequestration-affecting-training-program-directors>]. Republished in *CBE-Life Sciences Education* 2013 Highlight Issue: p128 – 138
19. **Campbell Andrew G.**, Leibowitz MJ., Murray SA., Burgess D., Denetclaw WF., Carrero-Martinez FA and Asai DJ Partnered Research Experiences for Junior Faculty at Minority Serving Institutions Enhance Their Professional Success. *CBE Life Sciences Education*. Vol 12, 394-402, Sept 4, 2013. [DOI: 10.1187/cbe.13-02-0025](https://doi.org/10.1187/cbe.13-02-0025). [Profiled in Nature comment: Careers/Career Brief. 'Minority mentoring'.

VII. Publications. Corresponding author underlined continued

- Nature Vol. 501 p451 September 19, 2013. [doi:10.1038/nj7467-451a](https://doi.org/10.1038/nj7467-451a). Published online. 18 Sept 2013.
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18. Tong R. Wu, Y. K Hong, Xu-Dong Wang, Mike Y. Ling, A.N. Dragoi, Alicia S. Chung, **A. G. Campbell**, Zhi-Yong Han, Gen-Sheng Feng, and Y. E Chin (2002). SHP-2 is a dual-specificity phosphatase involved in Stat1 dephosphorylation at both tyrosine and serine residues in nuclei. *J. Biol. Chem.* 277: 49, 47572 – 47580.
[PMID: 12270932](https://pubmed.ncbi.nlm.nih.gov/12270932/)
 17. **A. G. Campbell** (2001) Expression of Moloney Murine Leukemia Virus Ribonuclease H Rescues The Growth Defect of an Escherichia coli Mutant. *J. Virology* 75:13 6212 -6217 [PMID: 11390625](https://pubmed.ncbi.nlm.nih.gov/11390625/)
 16. Kobil, JH, **Campbell AG**. (2000). *Trypanosoma brucei* RNase HI Requires its Divergent Spacer Subdomain for Enzymatic Function And its RNA Binding Motif for Nuclear Localization *Molec. Biochem. Parasitol.* 107: 135 – 42 [PMID: 10717310](https://pubmed.ncbi.nlm.nih.gov/10717310/)
 15. Kobil, JH, **Campbell AG**. (2000) Functional Analysis of the Domain Organization of *Trypanosoma brucei* RNase HI. *Biochem. Biophys. Res. Comm.* 270: 336 – 342. [PMID: 10753627](https://pubmed.ncbi.nlm.nih.gov/10753627/)
 14. **Campbell, AG**, J.H. Kobil, JH (1999) Functional Analysis of *Trypanosoma brucei* RNase HI: Separable Nuclear targeting/RNA Binding and Ribonuclease H Subdomains. *Molec. Biol. of the Cell. Suppl.* 10: p439a (Abst.)
 13. Pearson, B, **Campbell AG**. (1999) Molecular Cloning of the *Trypanosoma brucei* Class II Ribonuclease H α -subunit *Molec. Biol. of the Cell. Suppl.* 10: p281a (Abst.)
 12. Hesslein, DGT, **Campbell AG** (1997) Molecular Cloning and Expression of a Ribonuclease H from the Kinetoplastid, *Trypanosoma brucei*. *Molec. Biochem. Parasitol.* 86: 121 – 126. [PMID: 9178276](https://pubmed.ncbi.nlm.nih.gov/9178276/)
 11. Campbell, AG. (1996) Studies of Kinetoplastid Ribonucleases H 4th International Ribonucleases H Meeting., MD.
 10. Akkina, RK, Rosenblatt, JD, **Campbell, AG**, Chen, ISY, JA Zack (1994). Blood 84: 1393 -1398
 Modeling Human Lymphoid Precursor Cell Gene Therapy in the SCID-hu Mouse [PMID: 7520766](https://pubmed.ncbi.nlm.nih.gov/7520766/)
 9. **Campbell, AG**, DS Ray (1993) Functional Complementation of an *Escherichia coli*. Ribonuclease H Mutation by a cloned genomic fragment from the trypanosomatid, [PMID: 8415705](https://pubmed.ncbi.nlm.nih.gov/8415705/) *Crithidia fasciculata*.
[Proc. Natl. Acad. Sci. USA 90: 9350 -54](https://pubmed.ncbi.nlm.nih.gov/935054/)
 8. Olsen, P., Fessler, LI., Nelson, R., Sterne, RE., **Campbell, AG.**, and Fessler, J.H. (1990) Glutactin, a novel *Drosophila* basement membrane related glycoprotein with sequence similarity to serine esterases. *EMBO J.* 9:1219-27 [PMID:2108864](https://pubmed.ncbi.nlm.nih.gov/2108864/)
 7. Fessler, JH., Blumberg, B., **Campbell, AG.**, Garrison, K., Mackrell, AJ., Olsen, PF. And Fessler, LI. (1989) Supramolecular Assemblies. In 'Cytoskeletal and Extracellular Proteins. Structure Interactions and Assembly. Aebi, U., and Engel, J. eds. 2nd [International EBSA Symposium. Springer-Verlag](https://www.springer.com/9780387963227)
 6. **Campbell, AG.**, Fessler, LI., Salo, T and Fessler, JH. (1987) Papilin: A *Drosophila* proteoglycan-like sulfated glycoprotein from basement membranes. *J. Biol.Chem.* 262: 17605 – 17612 [PMID 3320045](https://pubmed.ncbi.nlm.nih.gov/3320045/)
 5. Fessler, LI., Campbell, AG., Duncan, KG. and Fessler, JH. (1987) *Drosophila* Laminin: Characterization and localization. *J. Cell. Biol.*105: 2383 – 2391. [PMID 3119602](https://pubmed.ncbi.nlm.nih.gov/3119602/)
 4. Fessler, LI., Campbell, AG., Blumberg, B., Mackrell, A. and Fessler, JH. (1987) Basement membrane synthesis in *Drosophila* embryos. *J. Cell. Biochem* 11A:287
 3. Fessler, JH., Lunstrum, G., Duncan, KG., **Campbell, AG.**, Sterne, RE. and Fessler, LI. (1984). Evolutionary constancy of basement membrane components. In 42nd Symposium on Developmental Biology (R. Trelstad, ed) pp. 207 – 219
 2. Fessler. L I., **Campbell, AG.**, Blumberg, B., and Fessler, JH. (1986). *J. Cell. Biochem. Suppl.* 10D: 22
 1. Young, P., and Campbell, AG. (1982) The synthesis of a dipeptide from its component amino acids. *J. Chemical Education* 59: 701 – 702. [DOI: 10.1021/ed059p701](https://doi.org/10.1021/ed059p701)

VIII. Other Publications

a. Invited Articles / Commentary / Blog Article

1. Graduate Students in Uproar Over Proposed Tax Hike. Andrew G. Campbell
December 2017. Nature News. <https://www.nature.com/articles/d41586-017-07879-1>
2. Is science only for the rich? Andrew G. Campbell
Around the world, poverty and social background remain huge barriers in scientific careers.
21 September 2016. Nature News feature. <http://www.nature.com/news/is-science-only-for-the-rich-1.20650>
3. Stemming the leaks and backflows in the STEM Diversity Pipeline – Huffington Post June 27th, 2014
https://www.huffingtonpost.com/andrew-g-campbell/stemming-the-leaks-and-ba_b_5537727.html
Andrew G. Campbell and Stacy-Ann Allen-Ramdial.

b. Recent Abstracts (sample)

1. ‘Apicomplexan Fish Blood Parasite: isolation and Transmission’. D. Walters, K. Liburd, N. Blake, V. Lulla, AG Campbell, P. Sikkell, and J Robinson (2017). American Society for Cell Biology (ASCB) Annual Meeting, Phila. PA.
2. ‘Damsels and Apicomplexa: New Models to Study Parasitic Diseases’.
Shanan Emmanuel, Andrew G. Campbell, Jennilee Robinson UVI Research Day 2016. USVI
3. ‘Development of a Protocol for Enrichment of Hemogregarine-Infected Fish Erythrocytes and Transmissible Cysts’. Shanan Emmanuel, Andrew G. Campbell, Jennilee Robinson (2015). ABRCMS, Seattle, WA

c. Co-authored Reports

1. NSF COMMITTEES OF VISITORS (CoVs), FY 2002 REPORT February 25 – 27, 2002.
Physiology & Ethology Cluster. Integrative Biology & Neuroscience Biological Sciences 2002 (BIO) DBI:
Division of Biological Infrastructure IBN: Division of Integrative Biology and Neuroscience Physiology and
Ethology Cluster COV (Last accessed 3-2012)

d. Book Review

1. Cases in Human Parasitology. Judith S. Heelan (2004). ASM Press. ISBN-13: 9781555812966

XI. Invited Lectures (includes planned presentations) / Workshops / Panels

- 2021 34th National Congress of Postgraduate Studies of COMEPO (Consejo Mexicano de Estudios de Posgrado), Mexico
- 2021 Council of Graduate Schools Summer Workshop. ‘Top Ten Issues in Higher Education’ (Moderator)
- 2021 Experimental Biology 2021. American Association for Anatomy : Allyship to Foster Inclusion in Science and Health
- 2020 An Anti-Racist Approach to Graduate Education: Responding to Racial Violence and Injustice Dec. 2020
Council of Graduate Schools 60th Annual Meeting (Virtual).
- 2019 Yale University Ciencia Academy for Career Development
- 2019 NIH/NIGMS Training, Workforce Development, and Diversity Program Directors Meeting
- 2017 STEM/Title IX@MIT Panel. STEM, Title IX and the Under-Represented Majority, MIT
- 2016 American Society for Cell Biology Annual Meeting. Managing Collaborations. SF, CA
- 2016 Harvard Medical School Curriculum Fellows Program. Harvard University, Boston, MA
- 2016 Brown University Opening Convocation / Executive Master in Cybersecurity. School of Professional Studies
- 2016 253rd Opening Convocation. ‘Can You Imagine? Brown University, Providence, RI
- 2016 4th Opening Convocation / Executive Master of Healthcare Leadership. School of Professional Studies
Brown University, Providence, RI
- 2016 University of North Carolina, Chapel Hill, NC
- 2015 American Society for Cell Biology Annual Meeting. The Changing Landscape
2015. Fostering Diversity in Cell Biology. American Society for Cell Biology Council. Washington, DC
- 2015 Morehouse College, Atlanta, CA
- 2015 National Science Foundation (NSF) Centers for Chemical Innovation, Arlington, Va
- 2014 University of the Virgin Islands, St. Thomas, U.S. Virgin Islands
- 2014 National NRMN Planning Grant Awardee Meeting – Workshop Leader (Jan 23, 2014)
- 2014 Morehouse School of Medicine Mentoring Workshop Leader (Feb. 2014)
- 2014 Building, Retaining and Sustaining a Diverse Student Body: Neuroscience Departments & Programs

XI. Invited Lectures (includes planned presentations) / Workshops /Panels continued

- 2014 Society for Neuroscience Webinar.
<http://www.sfn.org/careers-and-training/higher-education-and-training/ndp-webinar>
- 2014 American Society for Cell Biology (ASCB) Junior Faculty Career Development Workshop
- 2014 Faculty Research & Education Development Program., American Society for Cell Biology
- 2014 University of the Virgin Islands, St. Thomas, U.S. Virgin Islands
- 2013 California State University, Dominguez Hills, CA
- 2013 Association of Medical School Neuroscience Department Chairpersons (AMSND), Charleston, SC
- 2013 American Society for Cell Biology (ASCB) Junior Faculty Career Development Workshop
- 2013 National Institute of General Medical Sciences (TWD) Program Directors Meeting, Chicago, Ill
- 2012 The UCLA-MARC Program, Los Angeles, CA
- 2012 University of the Virgin Islands, St. Thomas, U.S. Virgin Islands
- 2012 National Institute Health (TWD) Program Directors Meeting San Antonio, Texas
- 2012 California State University, Northridge, Northridge, CA
- 2012 California State University, Los Angeles, LA, CA
- 2012 The Leadership Alliance, Brooklyn, New York
- 2012 American Society for Cell Biology (ASCB) Junior Faculty Career Development Workshop
- 2012 LaGuardia Community College, CUNY., New York, New York
- 2011 Keynote Speaker, The RISE Program at Rutgers University and UMDNJ, New Jersey
- 2011 New England Science Symposium. Harvard University, Boston, MA
- 2011 American Society for Cell Biology (ASCB) Junior Faculty Career Development Workshop
- 2010 American Society for Cell Biology (ASCB) Annual Meeting., St. Louis, Mo
- 2010 Sheridan Center for Teaching & Learning, Brown University, Providence, RI
- 2009 College of Mount St. Vincent, NY, NY
- 2008 Hampton University, Hampton, Virginia
- 2008 North Carolina A & T University, Greensboro, NC
- 2007 Keynote Speaker, The McNairs Scholars Program, St. John's University, New York, NY
- 2007 Keynote Speaker – Paul Cuffee Day, The Paul Cuffee Charter School, Providence, RI
- 2006 St. John's University, New York, New York
- 2006 Rhode Island College, Providence, RI
- 2003 The Marine Biological Laboratory, Woods Hole, Massachusetts
- 2003 University of California at Los Angeles, California., LA, CA
- 2003 St. John's University, New York, New York
- 2003 University of Connecticut Health Science Center., Storrs, CT
- 2002 Merck Research Labs, Merck and Co, West Point PA,
- 2002 7th International Ribonuclease H Meeting Shonai, Japan
- 2001 Tougaloo College, Jackson, Mississippi
- 1999 University of Rhode Island, Kingston, Rhode Island
- 1999 Brown University, Providence, Rhode Island
- 1999 6th International Ribonuclease H Meeting Seattle, Washington
- 1998 Morgan State University, Baltimore, Maryland
- 1998 5th International Ribonuclease H Meeting Biarritz, France
- 1998 Harvard University, Boston, Massachusetts
- 1997 Panelist, Leadership Alliance National Conference, NAS, Wash., D.C
- 1997 York College, The City University of New York, NY
- 1996 Brandeis University, Waltham, Massachusetts
- 1996 4th International Ribonuclease H Meeting, Ocean City, Maryland
- 1996 Panelist, Leadership Alliance National Conference, Brown University

X. Research grants

a. Active Research Grants and Contracts

Response to NIH Initiative to Maximize Student Development (IMSD - R25)

Title: Advancing the Culture of Ph.D. Learning & Scholarship in Biology and Health Sciences
 Role: Prog. Director & Co-Principal Invest. (Wrote grant). Effort:7.5% academic year /1.5% summer
 Agency: NIH/NIGMS (1R25GM083270-10). Period: 4/01/17-3/31/22s. In No Cost Extension
 Direct Cost: \$3,136,594.00. Year 1 total cost; \$685,916.00
 Objective: Supports Ph.D. program building & development and addresses under-representation in the science

Response to National Science Foundation Initiative

Title: National Science Foundation Graduate Research Fellowship Program
 Role: Principal Investigator. PI by default (Dean of the Graduate School)
 Agency: National Science Foundation. Period: 7/1/16 - 6/30/21.
 Direct Cost: \$1,074,000.00 total costs. Total Award: \$1,074,000.00 Total project
 Objective: Graduate Education and training

Response to NIH FOA-PAR-17-051 Postbaccalaureate Research Education Program (PREP) (R25)

Role: Co-PI & Co-Program Director. Period:12/01/17 - 11/30/22. Effort 0.24 Months
 Agency: NIH/NIGMS.
 Direct Cost: \$1,256,804.00. Year 1 total cost; \$223,088.00
 Objective: Establish a training program for underrepresented students preparing for graduate studies

Title: The Advanced Dual Degree Open Graduate Education Program: Uniquely Brown
 Role: PI. (Co-Investigator: Vanessa Ryan)
 Agency: The Andrew W. Mellon Foundation. 09/01/18 -08/31/23
 Direct Cost: \$1,675,000.00 total cost
 Objective: Support cross-training that bridges the Sciences and Humanities by supporting students pursuing PhD training in one field and master's training in a second field

b. Pending Research Grants and Contracts:

Response to NIH Initiative to Maximize Student Development (IMSD – T32)

Title: IMSD@Brown
 Role: Prog. Director & Co-Principal Invest. (Wrote grant). Effort:7.5% academic year /1.5% summer
 Agency: NIH/NIGMS (1R25GM083270-10). Period: 4/01/22-3/31/27
 Direct Cost: \$1,442,670.00. Year 1 cost. \$8,127,759.00. Total cost
 Objective: Supports Ph.D. program building & development and addresses under-representation in the science

Response to Postbaccalaureate Research Education Program (R25)

Title: Brown University Postbaccalaureate Research Education Program
 Role: Prog. Director & Co-Principal Invest. Effort:5% academic year
 Agency: NIH/NIGMS (2 R25 GM125500-06). Period12/01/22-11/30/27
 Direct Cost: \$ 228,774.00. Year 1 cost. \$1,654,218.00. Total cost
 Objective: Support Postbaccalaureate Training to addresses under-representation in the science

c Completed Research Grants and Contracts:

Response to Council of Graduate Schools Project to Understand Ph.D. Career Pathways to Student and Alumni

Title: "Gateway to Success: Understanding Ph.D. Career Pathways for Program Improvement
 Role: PI & Program Director. Period:07/01/17 - 06/30/19. Effort: 0.24 Calendar months
 Agency: Council of Graduate Schools
 Direct Cost: \$60,769.00., Direct Cost: \$80,000.00.
 Objective: This program will survey current students and alumni about graduate education preparation

Response to NIH RFA-HL-11-024 Short-Term Research Education Program.

c Completed Research Grants and Contracts continued:

Title: Short-Term Training Program to Increase Diversity in Health-Related Research (R25)
 Role: Co-Program Director & Co-Principal Investigator (Co-wrote grant)
 Agency: NIH/NHLBI (2R25HL088992-06). Period: 09/01/12 – 06/30/17.
 Direct Cost: \$496,800.00. Effort: 5% academic year and 5% summer (0.6 calendar months; no salary) Resigned as Co-PI

The Rhode Island Foundation

Title: Biochemical and Molecular Studies of Ribonucleases H of The Parasitic protozoan, *T. brucei*
 Role: Principal Investigator
 Agency: The Rhode Island Foundation. Period: 01/1996 –12/1996
 Direct Cost: \$5,000.00 Effort: 0% Academic year effort
 Objective: To study the role of cellular RNases H in cell growth and replication

The Rhode Island Foundation

Title: Biochemical and Molecular Studies of Ribonucleases H of The Parasitic protozoan, *T. brucei*
 Role: Principal Investigator
 Agency: The Rhode Island Foundation. Period: 01/1997 –12/1997 Total Direct Cost: \$5,000.00 Effort: 0%
 Objective: To study the role of cellular RNases H in cell growth and replication

Howard Hughes Medical Institute

Title: Outreach Program Grant with Morgan State University
 Role: Participating investigator (Principal Investigator: Peter Shank)
 Agency: HHMI Effort: 5% Academic year effort
 Objective: To support under-represented student engagement in the sciences

Title: Biological & Molecular Studies of Trypanosomal RNases H / NSF Career Development Award Grant
 Role: Principal Investigator
 Agency: National Science Foundation (MCB9600920). Period: 1997-2001
 Direct Cost: \$359,500.00 total Cost Effort: 100% summer effort. Direct Cost for Project A: \$89,875.00
 Objective: To characterize the cell biological roles of RNases H in nucleic acid metabolism

LifeSpan-Brown-Tufts University CFAR Grant

Title: Functional Complementation Studies of The Human Immunodeficiency Virus
 Role: Principal Investigator
 Agency: Lifespan-Brown-Tufts CFAR. Period: 1998 - 1999
 Direct Cost: \$30,000.00. Total Award: \$30,000.00 Effort: 15% Academic year effort
 Objective: To establish genetic systems to model HIV RNase H function

LifeSpan-Brown-Tufts University Center For AIDS Research (CFAR)

Title: Functional Complementation Studies of The Human Immunodeficiency Virus
 Role: Principal Investigator. Period: 1999-2001
 Direct Cost: \$30,000.00. Total Award: \$30,000.00 Effort: 15% Academic year effort
 Objective: To Establish a genetic system to model HIV RNase H function

Rhode Island Cancer Council. Title: Genetic Studies of Retroviral Ribonucleases H.

Role: Principal Investigator
 Agency: Lifespan-Brown-Tufts CFAR. Period: 08/2001 –12/2001
 Direct Cost: \$15,000.00 /Total Award: \$15,000.00. Effort: 10% Academic year effort
 Objective: To study the role of cellular RNases H in cell growth and replication

Response to NIH RFA RR-00-003 (01-05) Period:

Role: Co-Principal Investigator of Project A / PI: John Sedivy Agency: NIH/COBRE (1P20RR15578)
 Agency: NIH. Period 07/2001 –06/2002

Completed Research Grants and Contracts continued:

Direct Cost: Project A \$88,000.00 Effort: 15% academic year effort /35% summer effort

Objective: To establish genetic systems to study Retroviral and Hepadnaviral RNases H

Response to the American Foundation for AIDS Research

Role: Program Director & Principal Investigator. Application Number: 02801-30-RG

Agency: American Foundation for AIDS Research (AmfAR). Period:07/2001 –06/2002

Direct Cost: \$60,000.00. Total Award: \$72,000.00 Effort: 35% academic year effort /35% summer effort

Objective: Retroviral RNase H Mutants: Selection & Drug Screening. Retroviral Mutants: Selection & Screening

Response to National Science Foundation. Genetic Studies of Trypanosomal Ribonucleases H.

Role: Program Director Principal Investigator Period: 9/2001- 03

Agency: National Science Foundation. Direct Cost:\$100,00.00. Effort: 0% academic year /100% summer

Objective: To characterize the cell biological properties of protozoal RNases H.

Response to NIH PAR-06-553; Initiative to Maximize Student Development (IMSD - R25)

Title: Advancing the Culture of PhD Learning & Scholarship in Biology and Health Sciences

Role: Program Director & Co-Principal Investigator (Wrote grant)

Agency: NIH/NIGMS (1R25GM083270). Period: 4/01/08-3/31/12. Total Cost: \$291,577.00 for year 1

Total Award: \$1,560,952.00 Effort: 20% academic year effort /20% summer effort

Objective: Support training and diversity in doctoral education

Response to NIH NOD-09-056; Notice of Availability of Recovery Act Funds For Administrative Supplement:

Title: Advancing the Culture of Ph.D. Learning & Scholarship in Biology and Health Sciences

Role: Program Director & Co-Principal Investigator (Wrote grant)

Agency: NIH/NIGMS (1R25GM083270-S). Period: 9/01/09-3/31/11. Total Award: \$161,464.00.

Objective: Support STEM workforce expansion

Response to ED-GRANTS-111709-001; Graduate Assistance in Areas of National Need (GAANN)

Title: Ph.D. Training in Pathobiology of Infectious Disease and Host Responses

Role: Co-Program Director & Co-Principal Investigator (Co-wrote grant)

Agency: U.S. Dept. of Education. Period: 08/15/10 – 08/14/13.

Total Award: \$393,000 for entire period. Total Cost: \$131,000.00 for year 1. Effort:5% time and effort

Objective: Supports PhD student training in infection and host response

Response to NIH Initiative to Maximize Student Development (IMSD - R25)

Title: Advancing the Culture of Ph.D. Learning & Scholarship in Biology and Health Sciences

Role: Program Director & Co-Principal Investigator (Wrote grant)

Agency: NIH/NIGMS (1R25GM083270). Period: 4/01/12-3/31/17

Total Award: \$2,523,885.00 DC. Effort: 20% academic year effort /20% summer effort (2.4 Months)

Objective: This funding supports PhD graduate program building

Response to NIH Support for Conferences and Scientific Meetings (Parent R13/UI3: PA-12-212)

Title: The Northeast Regional Scientific Training & Program Development Conference.

Role: Principal Investigator & Program Director

Agency: NIH/NIGMS (1 R13 GM106577). 9/15/13-9/14/16. No Cost extension

Award: \$84,774.00 Effort: 0.5 calendar months. Cost: \$28,258.00 for year 1

Objective: Scientific retreat of trainers and trainees

Response to NIH FOA-PAR-11-243 (T36)

Title: "TRAINing For Success in BioMedical Research Careers (MARC T36)

Role: Principal Investigator & Program Director

Agency: NIH/NIGMS. 9/15/13-9/14/16. No Cost extension

Direct Cost: \$724,802.00. Year 1: \$249,507.00 Effort: 16% academic year /16% summer

Completed Research Grants and Contracts continued:

Objective: This program supports the training of faculty and undergraduates.

Response to NIH FOA-PAR-11-243 (T36)

Title: "TRAINing For BioMedical Research Careers. Subproject 5: Molecular basis of parasite pathogenesis

Role: Collaborating scientist with Dr. Rachel Zuffery – St. John's University, New York

Agency: NIH/NIGMS: Period: 9/15/13-9/14/16. No Cost extension. Direct Cost: \$39,000.00

Objective: Analysis of Glycerolipid biosynthesis in the parasitic protozoan, *Trypanosoma brucei*

XI. Teaching and Student won awards

<u>Courses</u>	<u>Title</u>
BIO 54.	The Biology Of Emerging Microbial Diseases (Instructor & course leader)
BIO 155.	The Biology Of Emerging Microbial Diseases (Instructor & course leader)
BIO156	Virology. (Instructor – not course leader)
BIO158	Medical Microbiology (shared course leader duties on a rotating basis)
BIO195/196	Directed Research/Undergraduate Independent Study (Leader)
BIO201A	Introduction to MCB Faculty Trainer Research (Guest Lecturer)
BIO264	Microbiology & Immunology: Microbial Pathogenesis (Developer & instructor)
BIO 285	Introduction to Pathobiology Faculty Research (Guest Lecturer)

Course Descriptions

BIO295/6	Graduate Independent Research (Leader)
UC107.	Burden of Disease. Enrollment: ~100 Undergraduate Students (lecturer)
Anthro. 106	Race, Culture and Ethnic Politics: ~25 Undergraduate Students (lecturer)
BioMed 254	Advanced Microbiology (Brown-Pfizer Master's program) (Course Leader) IMSD Module Demystifying the Ph.D. Experience: Strategies for Academic & Personal Success in Grad School

Classroom Teaching

Anthro. 106	A seminar addressing race, culture, and ethnicity, focusing on U.S. minority groups. Seeks to clarify the philosophical and theoretical issues in contemporary America Enrollment limited to 25. Open to graduate and undergraduate students.
BIO 54	The Biology of Emerging Microbial Disease Agents. Course Leader Enrollment: 30-45 students per year. Taught basic biology/Parasitology to undergraduate students
BIO158	Virology. Emphasis on understanding molecular mechanisms of viral pathogenesis with a general introduction to the field of virology and then focuses on the molecular biology of specific viruses associated with human diseases. Taught the Hepatic disease component of this class.
BIO156	Medical Microbiology. Enrollment: ~ 50 – 70 1 st year medical students Taught the Parasitology component of this course to first-year medical students Topic: The Biology and Medical Aspects of Human Parasitic Infections. Course Coordinator, Parasitology instructor, and Virology Instructor
BIOMED 254	Advanced Microbiology. Enrollment: ~ 50 Pfizer Corporation Employees Course leader and taught the parasitology component of this four-component (Immunology, Bacteriology, Parasitology, and Virology).
BIO 195/196	Directed Research/Independent Study. Laboratory supervision of undergraduate student researchers
BIO264	Topics in Microbiology & Immunology: Microbial Pathogenesis Open to graduate students and advanced undergraduates
BIO285	Introduction to Pathobiology Graduate Faculty Research Open to entering graduate students An overview of ongoing research in the laboratory is presented
BIO295/6	Graduate Independent Research. Laboratory supervision of graduate student researchers
UC107	Burden of Disease in the Developing World. Guest lecturer Enrollment: ~100 Undergraduate Students Topic: Burden of Trypanosomiasis in sub-Saharan Africa and Leishmaniasis in less developed countries.

Classroom Teaching continued

Skill Module I Demystifying the Ph.D. Experience: Faculty Leader

Not-for-credit training module. Enrollment: ~10-16 Graduate Students Objectives: Recognize the broad set of skills required for graduate school success.

Teaching / Undergraduate laboratory trainees

1997-99	Jessica Kobil	Research Assistant, Harvard Medical School
1996-97	Lisa Mills	Brown University Undergraduate Student Researcher Director, Botswana Project. Centers for Disease Control
1996-97	Meggan Craft	Brown University Undergraduate Student Researcher Asst. Professor, University of Minnesota

Teaching / Undergraduate laboratory trainees continued

1996-96	Ken Nguyen	Research Assistant, Post-doctoral Fellow, Harvard University
1995-97	David Hesslein	Research Assistant Postdoctoral Fellow, University of California, San Francisco
1995-96	Mohana Amirtharajah	Brown University Undergraduate Student Researcher Orthopedic Surgery, San Francisco General Hospital
1995-96	Wendy Derjue	Brown University Undergraduate Student Researcher Director, Harvard Museum of Natural History
1995-96	Catherine Bloomfield	Brown University Undergraduate Student Researcher Current position: Unknown
1994-95	Leela Norahana	Brown University Undergraduate Student Researcher Arthropod-Borne Animal Diseases Research Unit, Agricultural Research Service., US Dept. of Agriculture, Manhattan, KS, United States
1994 -95	Viskesh Singh	Brown University Undergraduate Student Researcher Assoc. Professor of Medicine, Johns Hopkins University
1994-95	Jennifer Bodnick	Research Assistant. Physician, Kaiser Permanente
2015-16	Shanan Emmanuel	University of the Virgin Islands Undergraduate Student
2004-05	Sheena Makudda	Brown University Undergraduate Student
2004-05	Krissy Loening	Brown University Undergraduate Student
2004	Zakiya Whatley	Hampton University Undergraduate Student Asst. Professor. Gettysburg College
2000-01	Rebecca Nerenberg	Brown Undergraduate Student Researcher, Asst. Professor of Medicine. Albert Einstein College of Medicine
2001-02	Kevin Narag	Brown University Undergraduate Student Attending Physician, Beth Israel Medical Center, New York
1999-2000	Donna Lipofsky	Brown University Undergraduate Student Researcher Director of Business Development, Meridith Baer
1999-2000	Deidre-Ann Perry	Brown University Undergraduate Student Researcher Global Marketing Director, Shire Pharmaceuticals
1998-99	Peter YunYonYing	Brown University Undergraduate Student Researcher Director, Internal Medicine. St. Mary Medical Education
1997-198	Nina Dudnik	Brown University Undergraduate Student Researcher, Founder & CEO, Seeding Labs
1997-98	Rachelle Salomon	University of Maryland Undergraduate Student Researcher Influenza Vaccine Program Officer, National Institutes of Health

Teaching and Training / Graduate and senior trainees

Brooke Pearson	Prior degree:	B.S., Smith College, 1995 (Ph.D. Degree Awarded)
	Thesis Title:	Molecular Cloning & Characterization of Trypanosome RNase H
	Current Position:	Senior Scientist, Cubic Corporation – Global Defense, Wash D.C.
Wendy Jobling	Prior degree:	M.S. Worcester Polytechnic Institute
	Research Project:	Antisense uptake and gene arrest in <i>Trypanosoma brucei</i> (Rotation)
	Degree:	Ph.D. awarded (J. Sedivy. -Advisor).
Rachelle Salomon	Prior degree:	B.S., University of Maryland
	Research Project:	Studies of Chimeric HIV – <i>T. brucei</i> RT- RNase H
	Degree:	Ph.D. awarded (C. Biron -Advisor).
	Current position:	Influenza Vaccine Program Officer, National Institutes of Health

Teaching and Training / Graduate and senior trainees continued

Liz Lavigne	Prior degree:	B.S. Bates College
	Research Project:	Expression of <i>Trypanosoma brucei</i> RNase HI(Rotation)
	Degree:	Ph.D. awarded (R. Reichner-Advisor).,
	Current position:	Research Staff, Brown University
Patrick Wilson	Prior degree:	B.S.
	Research Project:	Mutation Analysis Characterization of <i>Trypanosoma brucei</i> RNase HI
	Degree:	MS. awarded
	Current position:	Genetic Counselor, University of Oklahoma, OK

Training: Past graduate and senior trainees / Research Assistants, Faculty, and Clinicians:

M. Goldberg	Prior degree:	Ph.D.
	Position:	Research Associate (Retired)
Moham Troare	Prior degree:	M.D. (Retired)
	Position:	Research Assistant, Brown University
Cornely-Moss	Prior degree:	Ph.D., Indiana University
	Position:	Adjunct Assoc. Prof. Brown University/ Professor, Providence College
J. Prakash	Prior degree:	B.Sc., Boston University., Research Assistant
	Position:	Research Assistant, Brown University
Priya Dedhia	Prior degree:	B.Sc., Brown University.
	Position:	Research Assistant,
	Current position:	MD/Ph.D., University of Pennsylvania
Stacy-Ann Ramdial	Prior degree: PhD	
	Research Project:	MARC TRAIN & IMSD Program Assistant / Research Analyst
	Current position:	Research Scientist, Battelle
J. Robinson	Prior degree: PhD	
	Current position:	Visiting Asst Professor, Brown University/ Asst Professor, Univ. of the Virgin Island.
	Research Project:	Hemogregarines, new models to study parasitic diseases
Janet Rollins	Prior degree: PhD	
	Research Project:	MARC TRAIN Program
	Current position:	Assistant Professor, The College of Mount St. Vincent

Training: Past graduate and senior trainees / Research Assistants, Faculty, and Clinicians:

Thomas Onorato	Prior degree: PhD	
	Research Project:	MARC TRAIN Program
	Current position:	Professor, LaGuardia Community College / CUNY
Rachel Zuffery	Prior degree: PhD	
	Research Project:	MARC TRAIN Program

Current position: Associate Professor, St. John's University, NY, NY

Graduate Students Awards: Trainees were recipients of the following awards

2000-04 National Research Service Award Pre-doctoral fellowship, (Rachelle Salomon)
 2002-03 Brown University R. B. Lindsey Dissertation Year Fellowship, (Brooke Pearson)

Undergraduate Students Awards

2005 Leadership Alliance Summer Research Program Award (Zakiya Whatley)
 2001 The Brown University Elizabeth LeDuc Prize in Biology (Rebecca Nerenberg)
 2000 Howard Hughes Undergraduate Summer Research Award (Rebecca Nerenberg)
 1999 Leadership Alliance Summer Research Program Award (Deidre-Ann Perry)
 1997 Leadership Alliance Summer Research Program Award (Rachelle Salomon)
 1997 Research at Brown University (RAB) Grant (Nina Dudnik)
 1997 The Brown University Morris L. Povar Prize in Physiology (Lisa Mills)
 1997 Brown University PLME Research Award, (Peter YunYongYing)
 1995 NSF Research Experience for Undergraduates Award (Nina Dudnik)
 1995 National Aeronautics and Space Administration Scholar Award (Catherine Bloomfield)
 1995 Program in Liberal Medical Education (PLME) Summer Research Award (Catherine Bloomfield)
 1995 NSF Research Experience for Undergraduates Award (Wendy Derjue)
 1995 Howard Hughes Undergraduate Summer Research Award (Mohana Amirtharajah)
 1995 National Aeronautics and Space Administration Scholar Award (Catherine Bloomfield)