

CURRICULUM VITAE**Andrew Campbell**

Andrew_Campbell@Brown.edu

EDUCATION

University of California, Los Angeles, CA	Ph.D.	1987
York College, CUNY, New York	B.S.	1981

AWARDS AND HONORS

University of California President's Postdoctoral Fellow	1987-90
Invited Participant, Course on Vectors and Vector Borne Diseases, Mali, W. Africa	1997
NSF Career Development Award	1997
Lifespan/Brown/Tufts University Center for AIDS Research Developmental Grant	1998
Lifespan/Brown/Tufts University Center for AIDS Research Developmental Grant	1999
School of Medicine Dean's Teaching Excellence Award	2001
American Foundation for AIDS Research (amFAR) Investigator Grant	2001
School of Medicine Dean's Teaching Excellence Award	2002

PROFESSIONAL TRAINING AND EXPERIENCE

Postdoctoral Fellow, Hormone Research Institute. University of California, San Francisco, California	1987-90
Postdoctoral Fellow, Molecular Biology Institute., University of California, Los Angeles, California	1991-94
Assistant Professor of Medical Science., Dept. of Molecular Microbiology & Immunology Division of Biology and Medicine., Brown University, Providence RI	1994-2000
Adjunct Assistant Professor of Biology., Dept. of Biology Morgan State University, Baltimore, Maryland	1999-2000
Associate Professor of Medical Science, Dept. of Molecular Microbiology & Immunology Division of Biology and Medicine., Brown University, Providence RI	2001-

EXTRAMURAL ACTIVITIES, APPOINTMENTS/SERVICE**Study Section/Panel Membership & Grant Reviews**

National Science Foundation, Molecular Biochemistry Panel Member	2000-01
Ad Hoc Grant Reviewer., Department of Medicine, Rhode Island Hospital	2000-01
Member, The Committee of Visitors (COV)	
External Reviewer of The National Science Foundation Biology Directorate, Division of Integrative Biology & Neurosciences	2002-03
Ad Hoc Reviewer, National Science Foundation Molecular Biochemistry Panel	2002-03
Reviewer, Center for Scientific Review. Special Emphasis (Fellowships) Panel	2004 -

Professional Society Memberships (including offices held)

American Association for the Advancement of Science	
American Society for Tropical Medicine and Hygiene	
American Society for Cell Biology	
New England Association of Parasitologists	
New England Association of Parasitologists, President	2000-01

Professional Service to the Field

Co-Organizer, 2nd Meeting of the New England Association of Parasitologists (NEAP)	1996
Organizer, 7th Meeting of the New England Association of Parasitologists,	1999
Participant, American Society for Cell Biology Minority Affairs Committee (MAC)	
Woods Hole Summer Research Awards Program, Woods Hole, MA	1999-2000
Advisory Panelist, NSF Workshop on Minority Funding, Emory University	1999-2000

Editorial board service and memberships

Nucleic Acids Research (Ad hoc Reviewer)	1997-98
Genomics (Ad hoc Reviewer)	1998-99
The American Journal of Tropical Medicine and Hygiene (Ad hoc Reviewer)	1998-99
Biochemistry (Ad hoc Reviewer)	2001-02
Current HIV Research (Editorial board member & Reviewer)	2002-05
Molecular Biology and Evolution (Ad hoc Reviewer)	2002-03
International Journal of Biochemistry and Cell Biology (Reviewer)	2003-04
Book Reviewer, Parasitology Case Studies., American Society for Microbiology (ASM) Press	2003-04
The American Journal of Tropical Medicine and Hygiene (Ad hoc Reviewer)	2003-04

Invited lectures

Tougaloo College, Jackson, Mississippi	1995-96
Morehouse College, Atlanta, Georgia	1995-96
4 th International Ribonuclease H Meeting, Ocean City, Maryland	1996-97
Panelist, Leadership Alliance National Conference, Brown University	1996-97
Brandeis University, Waltham, Massachusetts.	1996-97
Panelist, Leadership Alliance National Conference, NAS, Wash., D.C	1997-98
York College, The City University of New York, NY,	1997-98
Morgan State University, Baltimore, Maryland	1998-99
5th International Ribonuclease H Meeting Biarritz, France,	1998-99
Harvard University, Boston, Massachusetts,	1998-99
University of Rhode Island, Kingston, Rhode Island	1999-00
Brown University, Providence, Rhode Island	1999-00
6th International Ribonuclease H Meeting Seattle, Washington.	2000-01
Tougaloo College, Jackson, Mississippi	2001-02
Merck Research Labs, Merck and Co, West Point PA,	2002-03
7th International Ribonuclease H Meeting Shonai, Japan.	2002-03
The Marine Biological laboratory, Woods Hole, Massachusetts	2003-03
University of California at Los Angeles, California	2003-04
St. Johns University, New York, New York	2003-04
University of Connecticut Health Science Center	2003-04

UNIVERSITY APPOINTMENTS AND SERVICE:**Undergraduate Service**

Undergraduate Advisor : Concentrators in Biology	Classes of	1997-2006
Member, Howard Hughes Undergraduate Award Committee		2003-04
Member, Undergraduate Senior Prize Awards Committee		2003-04

Graduate Program Service - Ph.D. Thesis Committees

Mary Petzke, Brown University Pathobiology Graduate Program. Ph.D. granted 1995
 Thesis Title: Immunological Characterization of a 47 – amino acid Segment of a Candidate
 Vaccine Schistosome Antigen. Advisor: Dr. Paul Knopf

Richard Bungiro, Brown University Pathobiology Graduate Program. Ph. D granted 1998
 Thesis Title: Interleukin - 12 As an Adjuvant for Vaccination Against The Parasitic Helminthes
Schistosoma mansoni. Advisor: Dr. Paul Knopf

Graduate Program Service - Ph.D. Thesis Committees continued

Lynette Garrity, Dept. of Microbiology and Molecular Genetics,
Harvard Medical School, Ph.D granted 1998

Thesis Title: The identification of Virulence genes of *Leishmania major* by Functional Rescue.
Advisor: Dr. Stephen Beverley

Becky Sweigahrdt, Brown University Pathobiology Graduate Program., Ph.D. granted 2001
Thesis Title: HIV-1 Infection of Human Astrocytes: Viral Tropism and the Potential Role of
Chemokine Receptors in Viral Entry. Advisor: Dr. Walter Atwood

Brooke Pearson, Brown University Pathobiology Graduate Program PhD granted 2003
Thesis genetic and Biochemical Studies of *Trypanosoma brucei*. Class II Ribonuclease H
Advisor: Dr. Andrew G. Campbell

Liz Lavigne, Brown University Pathobiology Graduate Program. PhD granted 2004
Thesis Title: *Candida albicans* soluble factors and macrophage migration
Advisor: Dr. Jonathan Reichner

Timothy Messitt, Brown University MCB Graduate Program
Thesis Title: Expression Studies of Vg-1. Advisor: Dr. Kimberly Mowry

Gretchen Gee, Brown University MCB Graduate Program
Thesis Title: JV Virus Cellular Tropism and Gene Expression., Advisor: Dr. Walter Atwood

Graduate Program Leadership

Vice-Chair, MCB Graduate Program Retreat	1994-95
Member, MCB Graduate Program Admissions Committee	1994-95
Chair, Molecular Biology, Cell Biology and Biochemistry Graduate Program Retreat	1995-96
Member, Brown University School of Medicine M.D./Ph.D Admissions Committee	1997- 98
Chair, Pathobiology Graduate Program Retreat	1998-99
Chair, Pathobiology Graduate Program Retreat	2000-01
Chair, Pathobiology Graduate Program Admissions Committee	2001-02
Deputy Director, The Pathobiology Graduate Program	2002-03
Member, Internal Advisory Panel.	
Graduate Assistance in Areas of National Need (GAANN) Training Grant	2002-present
Director, The Pathobiology Graduate Program	2003- present
Representative to the Brown – MBL Graduate program	2003-04

Interdepartmental Service

Executive Committee Member Brown University Center for Genetics and Genomics	2000-present
---	--------------

School of Medicine Service

School of Medicine Committee on Multiculturalism	1994-2000
--	-----------

University-wide Committees/Service

Campus Police and Security Committee	1999- 2001
Brown University Biological Safety Committee	2000- present
Search Committee Member for Brown University Disciplinary Council	2001-present
Director of the Center for the Study of Race and Ethnicity in America,	2002-03
Search Committee Member for Associate Provost and Director of Institutional Diversity	2003-04

Departmental Service

Chair, Molecular Microbiology and Immunology (MMI) Dept. Seminar Series	1995-96
Supervisor of departmental Sr. Academic Secretary (Valerie Barunsky)	1998-99
Member, Department of Molecular Microbiology and Immunology Search Committee	2001-02
Chair, Molecular Microbiology and Immunology (MMI) Dept. Search Committee	2003-04

Inter and Intradiscipline Academic Service

Guest lecturer, Anthropology 106 : Race, Culture and Ethnic Politics	2001-02
Guest lecturer, Biocommunity Health 107	2001-02
Guest lecturer, Pharmacology	2002-03
Guest lecturer, Anthropology 106 : Race, Culture and Ethnic Politics	2003-04

PUBLICATIONS

1. Tong R. Wu, Y. Kate Hong, Xu-Dong Wang, Mike Y. Ling, Ana M. Dragoi, Alicia S. Chung, **Andrew G. Campbell**, Zhi-Yong Han, Gen-Sheng Feng, and Y. Eugene 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
2. **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
3. Kobil, JH, **Campbell AG**. (2000) Functional Analysis of the Domain Organization of *Trypanosoma brucei* RNase HI Biochem. Biophys. Res. Comm. 270: 336 - 342
4. 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
5. Pearson, B, **Campbell AG** (1999) Molecular Cloning of the *Trypanosoma brucei* Class II Ribonuclease H a-subunit Molec. Biol. of the Cell. Suppl. 10: p281a (Abst.)
6. **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.)
7. Hesslein, DGT, **Campbell AG** (1997) Molecular Cloning and Expression of a Ribonuclease H from the Kinetoplastid, *Trypanosoma brucei*. Molec. Biochem. Parasitol. 86 : 121 - 126
8. **Campbell, AG**. (1996) Studies of Kinetoplastid Ribonucleases H 4th International Ribonucleases H Meeting. Ocean City, MD. USA
9. 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
10. **Campbell, AG**, DS Ray (1993) Functional Complementation of an *Escherichia coli*. Ribonuclease H Mutation by a cloned genomic fragment from the trypanosomatid, *Crithidia fasciculata*. Proc. Natl. Acad. Sci. USA 90 : 9350 - 9354
11. 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 -1227
12. Fessler, JH., Blumberg, B., **Campbell, AG.**, Garrison, K.,Mackrell, AJ., Olsen, PF. and Fessler,LI. (1989) Connectors of Supramolecular Assemblies. In 'Cytoskeletal and Extracellular Proteins. Structure Interactions and Assembly. Aebi, U., and Engel, J. eds. 2nd International EBSA Symposium. Springer-Verlag
13. **Campbell, AG.**, Fessler , LI., and Fessler, JH. (1987) Papilin: A *Drosophila* proteoglycan-like sulfated glycoprotein from basement membranes. J. Biol .Chem. 262 : 17605 - 17612

PUBLICATIONS CONTINUED

14. Fessler, LI., **Campbell, AG.**, Duncan, KG., and Fessler, JH. (1987) *Drosophila* Laminin: Characterization and localization. J. Cell. Biol. 105 : 2383 – 2391
15. Fessler, LI., **Campbell, AG.**, Blumberg, B., Mackrell, A., and Fessler, JH. (1987) Basement membrane synthesis in *Drosophila* embryos. J. Cell. Biochem. 11A: 287
16. 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
17. Fessler, L I., **Campbell, AG.**, Blumberg, B., and Fessler, JH. (1986). J. Cell. Biochem. Suppl. 10D : 22
18. Young, P., and **Campbell, AG.** (1982) The synthesis of a dipeptide from its component amino acids. J. Chemical Education 59 : 701 – 702

GRANT SUPPORT**Previous Grants**

Genetic Studies of Trypanosomal Ribonucleases H
National Science Foundation.

Entire period of project: 09/2001 –09/2002 (No cost extension through 2003)

American Foundation for AIDS Research (AmfAR)

Retroviral RNase H Mutants : Selection & Drug Screening.

Entire period of project: 07/2001 –06/2002. (No cost extension through 2003)

Response to NIH RFA RR-00-003 (01-05); Center for Genetics and Genomics;

10/1/00-9/30/05; COBRE Application from Brown University .

(PI- J. Sedivy) - Co-Investigator of Project A - Characterization of Events Regulating the Balance Between Resistance and Infection (Project PI- C.A. Biron); Direct Costs

National Science Foundation Career Development Award Grant

Biological and Molecular Studies of Trypanosomal Ribonucleases H

Period: 1997-2001

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

Functional Complementation Studies of The Human Immunodeficiency Virus:

Development of an *In Vivo* Screening System for Anti-HIV Therapeutics

Period: 1999 -2001.

Howard Hughes Medical Institute Outreach Program Grant with Morgan State University

5% Academic year effort 1. LifeSpan-Brown-Tufts University CFAR Grant

Functional Complementation Studies of The Human Immunodeficiency Virus:

Development of an *In Vivo* Screening System for Anti-HIV Therapeutics

Period: 1998 - 1999.

Genetic Studies of Retroviral Ribonucleases H

Rhode Island Cancer Council .

Entire period of project: 08/2001 –12/2001

The Rhode Island Foundation, Biochemical and Molecular Studies of Ribonucleases H of

The Parasitic protozoan, *Trypanosoma brucei*. 01/ 01/ 96 – 12 / 31/ 96

The Rhode Island Foundation, Biochemical and Molecular Studies of Ribonucleases H of

RESEARCH PROGRAM

Aims of my research program Our research program involves understanding the structure – function relationships of RNases H. The long term goals of these studies are 1) to unmask novel nucleic acid metabolic functions associated with the enzymes in eukaryotes, 2) to understand their biological roles in relation to cell growth and replication using *Trypanosoma brucei* as a model and 3) to apply what is learned of the basic biology of RNases H to viral systems such as HIV and HBV where the enzymes are drug targets. These goals are central to the theme of my research program. This theme emphasizes understanding RNases H functions in early nucleic acid metabolic events and the importance of their contributions to early events of pathogen infection and disease.

Ongoing studies of RNases H has allowed us to expand our program to include other RNase H related avenues of investigation. These include studies of the enzyme as a drug targets in retroviruses and hepadnaviruses. RNase H is a critical enzyme in HIV and HBV replication. Despite this important observation, they remain poorly exploited targets in preventing HIV and HBV infections and subsequent pathogenesis. Drawing upon existing strengths in the lab, studies have been initiated to develop systems in which viral RNase H gene fragments rescue bacterial growth deficiencies *in vivo*. These systems will be useful for long term studies including *in vivo* microbial screening of HBV and HIV RNase H gene mutants (variants) for function, cross-resistance or sensitivities to anti-viral therapeutics. RNase H gene variants are also currently being used to reconstruct genomes to assess the effects of mutations on, ribonucleoprotein formation, viral replicative fitness and drug sensitivity in the context of the viral genomes.

Our work has begun to yield information that we have begin to use to elucidate enzyme contribution to nucleic acid metabolism and to exploit them as drug targets. These studies remain centered around defining the early events in nucleic acid metabolism and their roles in infection and disease. Emphasis on studying this family of enzymes allows us to use one system (i.e. the parasite model) as a platform from which to move and study the same enzyme in other biological systems.

CUMULATIVE TEACHING ACTIVITIES**2003-2004**

BIO195/6 Undergraduate Independent Research
 BIO158 Medical Microbiology. Enrollment: ~ 67 Medical Students
 Parasitology Lecturer
 BIO 54 The Biology Of Emerging Microbial Disease Agents. Course Leader
 Enrollment: 27 Undergraduate Students

2002-2003

BIO295/6 Graduate Independent Research
 BIO158 Medical Microbiology. Enrollment: ~ 67 Medical Students
 Course Coordinator., Parasitology Lecturer., Virology Lecturer
 UC107 Burden of Disease. Enrollment: ~100 Undergraduate Students

2001-2002

BIO295/6 Graduate Independent Research
 Bio158 Medical Microbiology. Enrollment: ~ 67 Medical Students
 UC107 Burden of Disease. Enrollment: ~100 Undergraduate Students
 BIO 54 The Biology Of Emerging Microbial Disease Agents. Course Leader
 Enrollment: 35 Undergraduate Students

2000-2001

BIO295/6 Graduate Independent Research
 BIO158 Medical Microbiology. Enrollment: ~ 67 Medical Students
 UC107 Burden of Disease. Enrollment: ~100 Undergraduate Students
 BIO 54 The Biology Of Emerging Microbial Disease Agents. Course Leader
 Enrollment: 35 Undergraduate Students

1999-2000

BIO295/6 Graduate Independent Research
 BIO 201A Introduction to MCB Faculty Trainer Research
 BIO195/196 Directed Research/Independent Study
 BIO158 Medical Microbiology. Enrollment: ~ 67 Medical Students
 UC107 Burden of Disease. Enrollment: ~100 Undergraduate Students
 BIO54 The Biology Of Emerging Microbial Disease Agents. Course Leader
 Enrollment: 35 Undergraduate Students

1998-1999

BIO295/6 Graduate Independent Research Study
 BIO285 Introduction to Pathobiology Faculty Research
 UC107 Burden of Disease. Enrollment: ~100 Undergraduate Students

1997-1998

BIO295/6 Graduate Independent Research Study
 BIO 285 Introduction to Pathobiology Faculty Research
 BIO201A Introduction to MCB Faculty Trainer Research
 BIO195/196 Directed Research/Undergraduate Independent Study

1997-1998

BIO158 Medical Microbiology. Enrollment: ~ 67 Medical Students
 BIO54 The Biology Of Emerging Microbial Disease Agents. Enrollment: 36 Undergraduates
 UC107 Burden of Disease. Enrollment: ~100 Undergraduate Students

1996-1997

BIO295/6 Graduate Independent Research
 BIO 285 Introduction to Pathobiology Faculty Research
 BIO201A Introduction to MCB Faculty Trainer Research

BIO158	Medical Microbiology. Enrollment: 60 Medical Students
BIO 54	The Biology Of Emerging Microbial Disease Agents. Enrollment: 40 Undergraduates
BIO195/196	Directed Research/Undergraduate Independent Study
BIO160	Vaccine Development Enrollment: 40 Undergraduate and graduate students
UC107	Burden of Disease. Enrollment: ~100 Undergraduate Students

1995-1996

BIO 285	Introduction to Pathobiology Faculty Research
BIO195/196	Directed Research/Undergraduate Independent Study
BIO158	Medical Microbiology. Enrollment: ~ 58 Medical Students
BIO54	The Biology Of Emerging Microbial Disease Agents. Enrollment: 40 Undergraduates

COURSE DESCRIPTIONS

BIO285	Introduction to Pathobiology graduate program Faculty Research Open to entering graduate students An overview of ongoing research in the laboratory is presented
UC107	Burden of Disease in the Developing World. Guest lecturer Enrollment: ~100 Undergraduate Students Lectured on the burden of trypanosomiasis in sub-Saharan Africa and leishmaniasis in less developed countries. This is an undergraduate course open to non-biology majors
BIO295/6	Graduate Independent Research Laboratory supervision of graduate student researchers
BIO158	Medical Microbiology. Enrollment: ~ 50 – 70 1 st year Medical Students Taught the Parasitology component of this four component (Immunology, Bacteriology, Parasitology and Virology) course to first year medical students Topic: The Biology and Medical Aspects of human Parasitic Infections. Also taught parts of medical virology Functioned as Course Coordinator, parasitology instructor and Virology Instructor
BIO 54	The Biology Of Emerging Microbial Disease Agents. Course Leader Enrollment: 30-45 Undergraduate Students per year Taught basic biology/Parasitology to undergraduate students Ranging from sophomores to seniors and graduate students enrolled with special permission
BIO 195/196	Directed Research/Independent Study Laboratory supervision of undergraduate student researchers

UNDERGRADUATE TRAINEES / Laboratory trainees

Krissy Loening	Brown University Undergraduate Student, 2004-05
Sheena Makudda	Brown University Undergraduate Student, 2004-05
Tarik Asmerom	Brown University Undergraduate Student, 2003-04
Kevin Narag	Brown University Undergraduate Student, 2001-02
Rebecca Nerenberg	Brown Undergraduate Student Researcher, 2000-01 Current position: Medical Student, University of Pennsylvania
Donna Lipofsky	Brown University Undergraduate Student Researcher, 1999 - 2000
Deidre-Ann Perry	Brown University Undergraduate Student Researcher, 1999 - 2000
Rachelle Salomon	University of Maryland Undergraduate Student Researcher, 1997-98 Current position: Graduate Student, Brown University
Jessica Kobil	Research Assistant, 1997 - 1999 Current position: Medical Student
Nina Dudnik	Brown University Undergraduate Student Researcher, 1997 - 1998 Current position: Graduate Student. Harvard University

Peter YunYongYing	Brown University Undergraduate Student Researcher, 1998 Current position: Graduated, University of Maryland Medical School
Ken Nguyen	Research Assistant, 1996 - 1996 Current position: Post-doctoral Fellow, Harvard University
Lisa Mills	Brown University Undergraduate Student Researcher, 1996 - 1997 Current position: Graduated, New York University Medical School
Meggan Craft	Brown University Undergraduate Student Researcher, 1996 Current position: Medical Student
Catherine Bloomfield	Brown University Undergraduate Student Researcher, 1995 - 1996 Current position: Transferred, University of New Mexico
Wendy Derjue	Brown University Undergraduate Student Researcher, 1995 - 1996 Current position: Unknown
Mohana Amirtharajah	Brown University Undergraduate Student Researcher, 1995 - 1996 Current position: Unknown
David Hesslein	Research Assistant, 1995 - 1997 Current position: Graduate Student, Yale University
Jennifer Bodnick	Research Assistant, 1994 - 1995 Current position: Graduated, Georgetown Medical School
Viskesh Singh	Brown University Undergraduate Student Researcher, 1994 - 1995 Current position: Graduated, University of Maryland Medical School
Leela Norahana	Brown University Undergraduate Student Researcher, 1994 - 1995 Current position: Pfizer Corporation / Unknown?

STUDENT AWARDS: Students trained in the lab were recipients of the following awards

Graduate Students Awards

Brown University R. B. Lindsey Dissertation year Fellowship, 2002 -03 (Brooke Pearson)
National Research Service Award Pre-doctoral fellowship, Rachelle Salomon. 2000
National Institute of General Medical Science
Rachelle Salomon, 2000

Undergraduate Students Awards

Howard Hughes Undergraduate Summer Research Award at Brown University
Rebecca Nerenberg, 2000

Leadership Alliance Summer Research Program Award
Deidre-Ann Perry, 1999

Brown University Program in Liberal Medical Education (PLME) Research Award,
Peter YunYongYing, 1997

Research at Brown University (RAB) Grant
Nina Dudnik, 1997

Morris L. Povar Prize in Physiology (Brown University Award)
Lisa Mills, 1997

Leadership Alliance Summer Research Program Award
Rachelle Salomon, 1997

National Science Foundation (NSF) Research Experience for Undergraduates Award
Nina Dudnik, 1995

National Aeronautics and Space Administration (NASA) Undergraduate Scholar Award
Catherine Bloomfield, 1995

Brown University Program in Liberal Medical Education (PLME) Summer Research Award
Catherine Bloomfield. 1995

National Science Foundation (NSF) Research Experience for Undergraduates Award
Wendy Derjue, 1995

Howard Hughes Undergraduate Summer Research Award at Brown University
Mohana Amirtharajah, 1995

Elizabeth LeDuc Prize in Biology (Brown University Award)
Rebecca Nerenberg, 2001

TRAINING HISTORY

PhD degrees awarded:

Brooke Pearson 2003
Thesis title Molecular Cloning and Characterization of the Ribonucleases H of *T. brucei*
Current Position: Post-doctoral Fellow US Army Medical Research Institute of Infectious Diseases
Prior degree: B.S., Smith College

Graduate Student Trainees:

Wendy Jobling
Prior degree: M.S. Worcester Polytechnic Institute
Research Project: Antisense deoxyoligonucleotide uptake in *Trypanosoma brucei*:
Development of an Antisense System for Gene Arrest Studies:
Current position: Graduate Student, Brown University
Molecular, Cell Biology and Biochemistry (MCB) Graduate program

Rachelle Salomon
Prior degree: B.S., University of Maryland
Research Project: Studies of Chimeric HIV – T, *brucei* RT- RNase H:
Current position: Graduate Student, Brown University Pathobiology Graduate program

Liz Lavigne
Prior degree: B.S. Bates College
Research Project: Cytoplasmic Expression of *Trypanosoma brucei* RNase HI:
Development of an Antisense Cell Line for Gene Arrest Studies:
Current position: Graduate Student, Brown University Pathobiology Graduate program

Patrick Wilson
Prior degree: B.S.
Research Project: Mutation Analysis Characterization of *Trypanosoma brucei* RNase HI
Current position: Left Program / Elected to pursue a degree in genetic counseling

Joonil Jung
Prior degree: B.S.
Research Project: Biochemical Characterization of *Trypanosoma brucei* RNase HI
Current position: PhD degree granted, Brown University MCB Graduate program

Patricia Overdeep
Prior degree: B.S.
Research Project: Biochemical Characterization of *Trypanosoma brucei* RNase HI
Current position: Left program

TRAINING HISTORY continued**Research Assistants, Faculty and Clinicians :**

Jamunabai Prakash

Position: Research Assistant, (1999- 2000)
Prior degree: B.Sc., Boston university
Research Project: Molecular Studies of *Trypanosoma brucei*, Hepatitis B virus and Human Immunodeficiency Virus RNases H
Current position: Research Assistant, Brown University

Priya dedhia

Position: Research Assistant, (2002- 2002)
Prior degree: B.Sc., Brown university
Research Project: Molecular Studies of *Trypanosoma brucei*, Hepatitis B virus RNases H
Current position: MD/PhD student, University of Pennsylvania

Kathleen Cornely-Moss

Position: Adjunct Associate Professor of Microbiology, 1997 -1998
Prior degree: Ph.D, Indiana Universty
Current position: Associate Professor of Biology, Providence College

Miriam Goldberg

Position: Research Associate, 1997 -1998
Prior degree: Ph.D
Current position: Retired

Mohammed Hassime Troare

Position: Research Assistant, 1998 -present
Prior degree: M.D.
Current position: Research Assistant, Brown University

SUMMARY OF ANNUAL TEACHING DUTIES

Listing annually recurring duties only

A. BIO54, The Biology of Emerging Microbial Diseases**Classroom teaching of undergraduate students**

Lecture	3hrs/wk for 12 weeks	36hrs/yr
Coordination of guest lecturers	3hr/wk. For 4 weeks	12hrs/yr
Office hours:	1hr/wk	12hrs/yr
Special meetings ¹	30min. per student (35 Students)	70hrs /yr

**B. UC107, The Burden of Disease in the Developing World
OR****Anthropology 106 : Race, Culture and Ethnic Politics****Classroom teaching of undergraduate students**

Lecture:	1.5hrs	1.5hrs/yr
Office hours:	1hr	1.0hr/yr

C. BIO158, Medical Microbiology.**Classroom teaching of 1st year medical students**

Lecture:	7hrs/wk	7hrs/yr
Office hours:	2hr/wk	2hrs/yr
Course Coordinator:	1.5hr /wk for 12 weeks	18hrs/yr
Course Coordinator Office hours:	2hr/wk	24hrs/yr

D. BIO201. Pharmacology.**Classroom teaching of 1st year medical students**

Lecture	2hrs	2hrs/yr
---------	------	---------

Average annual class teaching: **178hrs****E. Laboratory based teaching (for course credit)**

BIO295/6 STUDENT:Brooke Pearson	3hrs*/wk	120hrs/yr ^{2,5}
------------------------------------	----------	--------------------------

BIO295/6 Rotating graduate students:	1hr/wk	40hrs/yr ^{3,5}
---	--------	-------------------------

BIO195/6 Undergraduate students:	1.5hr/wk	48hrs/yr ^{4,5}
-------------------------------------	----------	-------------------------

¹Students are met with on an individual basis after each (two) mid-semester examination²Includes intensive summer training³ Includes intensive summer training. Averaged at 1 student per calendar year⁴ Excludes summer training. Averaged at 1 student per academic year⁵ Includes one-on-one meeting sessions, hands on training at the bench as well as preparation, review and interpretation of journal articles and review of laboratory data during lab meetings.**TOTAL ANNUAL TEACHING HRS:**

Non-Contact (preparatory) Hours for all classes

386hrs/yr
100hrs/yr**TOTAL ANNUAL HRS COMMITTED TO TEACHING :****486hr/yr**