

## TEXAS STATE VITA

### I. Academic/Professional Background

Name: Gary M. Aron

Title: Professor

#### Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
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Ph.D.	1971	The Pennsylvania State University	Microbiology	
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Dissertation: Characterization of Phage SH-133 and the Infection of *Hydrogenomonas facilis* Under Heterotrophic, autotrophic, and Myxotrophic Growth Conditions.

M.S.	1967	St. John's University	Microbiology	
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Thesis: Heterofermentation patterns of *Pediococcus cerevisiae* under growth limiting conditions.

B.S.	1965	St. John's University	Microbiology	
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#### University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Homer E. Prince Professor of Microbiology	Texas State University	2001-present
Professor	Southwest Texas State University	1984 - 2001
Associate Professor	Southwest Texas State University	1980 - 1984
Assistant Professor	Southwest Texas State University	1974 - 1980
Postdoctoral Fellow	Baylor College of Medicine	1972 - 1974
Research Associate	Baylor College of Medicine	1971 - 1972
Graduate Assistant	Pennsylvania State University	1967 - 1971
Graduate Assistant	St. John's University	1965 - 1967

### II. Teaching

#### Courses Taught:

Principles of Microbiology	BIO 2440	1974-present
Virology/Immunology	BIO 3442	1974-1984 (course split)
Virology	BIO 3442	1984-present
Immunology	BIO 4426-5426	1984-present
Topics in Physiology (Emerging Diseases)	BIO 5350	2001, 2008

Graduate Thesis Committees (supervisor\*)

Student Name - Degree	Thesis	Title	Year
A. Pokharel	(M.S.)	Diversity of Frankiipopulations in root nodules of Sympatrically Grown <i>Alnus</i> species	2008-present
S. Nath	M.S. (M.S.)	Virus protection by biofilms	2007-present
M. Kay	*(M.S.)	Genomic Characterization of Lysogenic Bacteriophage JL $\phi$ 1	2007-present
T. Erwin	*(M.S.)	Bacteriophage production in <i>Janthinobacterium lividum</i> biofilms	2007-present
W. Boswell	M.S.	Effects of N-Acyl-L- Homoserine Lactone Lactonase on Disruption of Preformed Biofilms, Bacterial Recruitment, and Prevention of Biofilms	2007
M. Weber	M.S.	Role of <i>yjfO</i> , <i>agaB</i> and <i>atoS</i> in <i>Escherichia coli</i> Biofilm Formation and Stress Response	2007
B. Treadaway	*M.S.	Effect of Pokeweed Antiviral Protein on the Induction of Apoptosis in Largemouth Bass Virus Infected Cells	2006
M. Merchant	M.S.	Identification and Characterization of Bacterial Isolates from Spring Lake, Texas	2005
A.K. Welsh	M.S.	Detection of an Introduced Bacterial Culture in Greywater Treatment Reactors	2005
S. Schwarzlose	*M.S.	Anaysis of Bacteriophage JL01 in the Lysogenic Host Bacterium <i>Janthinobacterium lividum</i>	2005
C.L. Bates	M.S.	Differential gene expression and colanic acid gene effects on biofilm formation	2004
B. Scott	*M.S.	The Effect of Disinfectants and Antivirals on the Infectivity and replication of Large-mouth Bass Virus	2003
K.L. Fuson	M.S.	Biofilm-induced Gene Expression in Chemostat Grown <i>Escherichia coli</i> as Determined by a Gene Array	2002

M.K. Windham	M.S.	Acyl Homoserine Lactone Recruitment of Bacteria into Biofilms.	2001
B. Corbin	*M.S.	Bacteriophage Replication in an Aquatic Biofilm	2000
G. Southard	*M.S.	Use of the MITT Cell Viability Assay to Determine Antiviral Activity	2000
S. Prabhakaran	M.S.	Investigation of Bacterial Fragmentation as a Possible Origin of Nanobacteria	1999
J.L. Adams	M.S.	Role of <i>rpoS</i> in the Formation and Physiology of <i>Escherichia coli</i> Biofilms	1998
H.C. Knowles	M.S.	The Isolation, Culturing and Characterization of Nannobacteria	1998
D. Murphy	*M.S.	Synergistic Effects of Pokeweed Antiviral Protein in Combination with Guanidine and Ribavirin on the Replication of Newcastle Disease Virus	1998
E. Weaver	*M.S.	Synergistic effect of Pokeweed Antiviral Protein on the Replication of Influenza A Virus and Newcastle Disease Virus	1997
M. Whiteley	M.S.	Effects of Nutrient Limitation and Species Composition on Biofilm Development and Susceptibility to Iodine Disinfection	1997
M.K. Koenig	M.S.	Parameters Affecting the Conformation of N-acetylneuraminic acid, <i>Escherichia coli</i> K1 Capsular Polysaccharide	1996
J. Leutzinger	*M.S.	Effect of Amantadine in Combination With Dextran Sulfate, Pokeweed Antiviral Protein, and 3-Deazaadenosine on the replication of Influenza A Virus	1995
K. McFarlin	*M.S.	The Effects of Synergistic and Antagonistic Combinations of Guanidine Hydrochloride and Pokeweed Antiviral Protein on the Replication of a Guanidine-Resistant Poliovirus Mutant	1994
R. Kirkpatrick	*M.S.	Isolation and Partial Characterization of a Second Ribosome Inactivating Protein From <i>Mirabilis jalapa</i>	1993

R. Rohde	*M.S.	Effect of pokeweed Antiviral Protein in Combination with Guanidine on Poliovirus Macromolecular Synthesis	1992
F. Villarreal	M.S.	Analysis of Geneticin (G-418) transformation and Lipid Content in an Axenically Cultured Protozoan ( <i>Bodo</i> sp)	1991
D. Burrow	*M.S.	Effects of Combinations of Pokeweed Antiviral Protein and Guanidine on the Multiplication of Poliovirus	1990
M. Crowell	*M.S.	Virus Permeabilization of HeLa Cell Membranes to Pokeweed Antiviral Protein	1988
P. Phillips	M.S.	Genetic Transformation in an axenically cultured protozoan	1987
T. Lee	*M.S.	Entry of Pokeweed Antiviral Protein into Poliovirus Infected Cells	1987
D. Ellsworth	M.S.	Nutritional, Biochemical, and Physiological Studies on an Axenically Cultured Protozoan ( <i>Bodo</i> sp.)	1987
A. Arab	*M.S.	Effect of Pokeweed Antiviral Protein on the Multiplication and Macromolecular Synthesis of Encephalomyocarditis Virus and Poliovirus	1985
D. Schuenemann	M.S.	Preparation and Properties of Mitochondria From an axenically grown protozoan ( <i>Bodo</i> sp.)	1984
M. Shearer	*M.S.	Inhibition of Poliovirus Macromolecular Synthesis and Multiplication by the Pokeweed Antiviral Protein	1983
G. Teltow	*M.S.	Inhibition of Herpes simplex Virus Type 1 DNA Synthesis by Pokeweed Antiviral Protein	1981
R. Gambill	*M.S.	Characterization of SH-133 Temperature-Sensitive Mutants: Lysis, Gene Dosage, and Time of Mutant Gene Expression	1980
J. Wallis	*M.S.	Recombination Between Temperature-Sensitive Mutants of Bacteriophage SH-133, Specific for <i>Pseudomonas facilis</i>	1980

C. Batreal	*M.S.	Nitrosoguanidine Induced Temperature-Sensitive Mutants of Bacteriophage SH-133: Isolation, Complementation, and Partial Characterization	1977
P. Reed	*M.S.	UV Light Induced Temperature-Sensitive Mutants of Bacteriophage SH-133: Isolation, Complementation, and Partial Characterization	1977
W. Friedrichs	*M.S.	5-Bromodeoxyuridine and Ethyl Methanesulfonate Induced Temperature-Sensitive Mutants of Bacteriophage SH-133: Isolation, Complementation, and Partial Characterization	1977
C. Beaman	M.S.	Morphological and Physiological Of Azotobacter Cysts Comparison	1974
D. Kunz	M.S.	Studies on an Undescribed Putative Nitrogen-fixing Antarctic Bacterium	1974

#### Masters - Non Thesis

J. Bolfing 2007  
M. Vahrelly 2004

#### Independent Study (undergraduate level)

R. Roberts 2005  
A. Yavorsky 2005  
G. Cody 2005  
L. Krause 2005  
C. Potts 2003  
C. McGowin 2002  
B. Belota 2002  
Ms. Perkins 1999 Mentor Summer Teacher Enhancement

#### Courses Prepared and Curriculum Developed

BIO 3442 virology  
developed virology lecture and laboratory exercises  
authored laboratory manual  
  
maintain tissue culture and virus stocks

BIO 4426 immunology  
developed immunology lecture and laboratory exercises  
authored laboratory manual

### III. SCHOLARLY/CREATIVE

#### Chapters in Books

McLean, R.J.C., CL Bates, CL McGowin, MB Barnes, and **GM Aron**. 2004. Methods for studying biofilms, In: M Ghannoum and GA O'Toole (eds.), *Microbial Biofilms*, American Society for Microbiology, Washington DC, Chapter 20, pp 379-413.

Benyesh-Melnick, M., P.A. Schaffer, R.J. Courtney, and **G.M. Aron**. 1973. Temperature-sensitive mutants of herpes simplex virus. In *Viral Replication and Cancer*, Second Duran Reynals International Symposium, eds. J.L. Melnick, S. Ochoa, and J. Oro. pp. 173-194.

#### Refereed Journal Articles

McLean, R.J.C., B.D. Corbin, G.J. Balzer, and **G.M. Aron**. 2001. Phenotype characterization of genetically defined microorganisms and growth of bacteriophage in biofilms. *Methods in Enzymology* **336**: 163–174.

Corbin, B.D., R.J.C. McLean, and **G.M. Aron**. 2001. Bacteriophage T4 multiplication in a glucose-limited *Escherichia coli* biofilm. *Canadian Journal of Microbiology* **47**: 680–684.

Waller, R.C., D. A. Feakes, J. Spinler, G. Southard, and **G. M. Aron**. 2001. "Investigation of the Toxicity and Cellular uptake of Na<sub>4</sub>[B<sub>20</sub>H<sub>17</sub>SH] in EMT6 cells. in *Frontiers in Neutron Capture Therapy*, Vol. 2, edited by M.F.Hawthorne, K. Shelly, and R. W. Wierseman, Plenum Press: New York., 1045-1049.

Weaver, E. and **G. M. Aron**. Synergistic anti-Newcastle Disease Virus activity of pokeweed antiviral protein, ribavirin and guanidine. 1998. *Canadian Journal of Microbiology* **44**:702-705.

**Aron, G.M.** and J.D. Irvin. 1988. Cytotoxicity of pokeweed antiviral protein. *Cytobios*: 55:105-111. Tong, L., M. Crowell, M. Shearer, G.M. Aron, and J.D. Irvin. 1990. Polio virus-mediated entry of pokeweed antiviral protein. *Antimicrobial Agents and Chemotherapy* **34**:2034-2037

Teltow, G.J., J.D. Irvin, and **G.M. Aron**. 1983. Inhibition of herpes simplex virus DNA synthesis by pokeweed antiviral protein. *Antimicrobial Agents and Chemotherapy* **23**:390-396.

Irvin, J.D. and **G.M. Aron**. 1982. Chemical modifications of pokeweed antiviral protein: Effects upon ribosome inactivation, antiviral activity and cytotoxicity. *Federation of European Biochemical Societies Letters* **148**:127-130.

Barbieri, L., **G.M. Aron**, J.D. Irvin, and F. Stirpe. 1982. Purification and partial characterization of another form of the pokeweed antiviral protein from the seeds of *Phytolacca americana*, L.(pokeweed). The Biochemical Journal 203:55-59.

**Aron, G.M.** and J. D. Irvin. 1980. Inhibition of herpes simplex virus multiplication by the pokeweed antiviral protein. Antimicrobial Agents and Chemotherapy 17:1032-1033.

**Aron, G.M.** and C. M. Battreall. 1979. Preliminary characterization of a temperature-sensitive mutant of bacteriophage SH-133 that produces infectious thermolabile particles at the nonpermissive temperature. Current Microbiology 2:65-69.

**Aron, G.M.** and J. D. Irvin. 1979. Inhibition of herpes simplex virus multiplication by the pokeweed antiviral protein. Interferon Scientific Memoranda AS 44:1-4.

Battreall, C.M., W. E. Friedrichs, J.P. Reed and **G.M. Aron**. 1979. Temperature sensitive mutants of bacteriophage SH-133 specific for the hydrogen bacterium *Pseudomonas facilis*: isolation, complementation and partial characterization. Canadian Journal of Microbiology 25:86-93.

**Aron, G.M.**, D. Purifoy, and P.A. Schaffer. 1975. DNA polymerase activity and DNA synthesis of herpes simplex virus type 1 temperature-sensitive mutants. Journal of Virology 16:498-507.

**Aron, G.M.** and C. F. Pootjes. 1973. Replication of bacteriophage SH-133 in the facultative autotroph *Hydrogenomonas facilis*: II. Phage synthesis and hydrogenase induction under step-up and stepdown growth conditions. Journal of Virology 12:1118-1121.

**Aron, G.M.** and C. F. Pootjes. 1973. Replication of bacteriophage SH-133 in the facultative autotroph *Hydrogenomonas facilis*: I. Phage synthesis under heterotrophic, autotrophic, and mixotrophic growth conditions. Journal of Virology 12:1043-1048.

**Aron, G.M.**, P.A. Schaffer, R.J. Courtney, M. Benyesh-Melnick, and S. Kit. 1973. Thymidine kinase activity of herpes simplex virus temperature-sensitive mutants. Intervirology 1:96-109.

Schaffer, P.A., **G.M. Aron**, R.J. Courtney, and M. Benyesh-Melnick. 1973. Temperature-sensitive mutants of herpes simplex virus type 1: Isolation, complementation and partial characterization. Virology 52:57-71.

#### Manuscripts Submitted or in Preparation

Nath, S., **GM Aron**, GM Southard, and RJC McLean. 2009. Biofilms Can Harbor Large Mouth Bass Virus. Journal of Aquatic Animal Health, submitted for publication.

#### Abstracts and Presentations

S. Nath, **G.M. Aron**, G.M. Southard, and R.J.C. McLean . Biofilms can act as a reservoir for Largemouth Bass Virus. Texas Branch American Society for Microbiology. *New Braunfels, TX March, 2009*

Nath, S., **GM Aron**, GM Southard, and RJC McLean. 2008. Real-time PCR detects Eukaryotic Viruses within Biofilms. Texas & South Central Branch American Society for Microbiology. Austin, TX, November, 2008.

Treadaway, B and **GM Aron**. *Apoptosis in Largemouth Bass Virus infected Cells*. American Society for Microbiology. Orlando, FL, May 2006.

Schwartzlose, S, RJC McLean, and **GM Aron**. Bacteriophage JL01 production by a pseudolysogenic strain of *Janthinobacterium lividum*. American Society for Microbiology. Orlando, FL, May 2006.

Treadaway, B. and **GM Aron**. Effect of pokeweed antiviral protein on apoptosis in Largemouth Bass Virus infected cells. Texas Branch American Society for Microbiology. (**Charles Gaunt Award Best Presentation by a Graduate Student**) Fisher, TX March, 2006

Treadaway, B and **GM Aron**. Induction of Apoptosis by Ultraviolet Light Inactivated Largemouth Bass Virus in Bluegill Fry-2 Cells. Southern Association American Fisheries Society, San Antonio, TX. January, 2006

McGowin, C, B Belota, and **GM Aron**. Characterization of a Novel Pseudolysogenic Phage-Host Relationship for *Janthinobacterium lividum* ASM. New Orleans, LA May, 2004

Scott, BA and **GM. Aron** . Effects of Disinfectants and Antivirals on the Infectivity and Replication of Largemouth Bass Virus. ASM. New Orleans, LA May, 2004 (**abstract chosen for conference press release**)

Scott, BA and **GM Aron** . Effects of Disinfectants and Antivirals on the Infectivity and Replication of Largemouth Bass Virus. Texas Branch American Fisheries Society, College Station, TX. 2004. (**Best Poster Presentation Award**)

McLean, RJ, BD Corbin, CL McGowin, **GM Aron**. Bacteria-Phage Biofilm Communities. ASM Conference Polymicrobial Diseases. October 19-23, 2003. Lake Tahoe, NV. Invited

McGowin, CL and GM Aron. Characterization of a Pseudolysogenic Phage-Host Relationship for *Janthinobacterium lividum*. American Society for Microbiology Texas Branch. College Station Texas. November 6-8, 2003. Contributed.

McGowin, C, B Belota, and GM Aron. A novel pseudolysogenic bacteriophage-host relationship for *Janthinobacterium lividum* TBASM Spring Meeting March 27-29 2003 Junction, TX **Orville Wyss Award for Outstanding Scientific Achievement for a Poster Presentation by an Undergraduate Student**

Scott, BA, and GM Aron. Effect of Formalin, Iodine, and Chlorhexidine on the Infectivity of Largemouth Bass Virus. TBASM Fall Meeting, November 7-9, 2002 Austin, TX

Brian A. Scott and Gary M. Aron, Effects of Chemical and Physical agents on the

Infectivity of Largemouth Bass Virus. TBASM Spring Meeting March 27-29 2003 Junction, TX  
***Charles Gauntt Award for Outstanding Scientific Achievement for Oral presentation by a Graduate Student***

McGowin, C, B Belota, and GM Aron. Isolation of a Temperate Bacteriophage for *Janthinobacterium lividum*. TBASM Fall Meeting, November 7-9, 2002 Austin, TX

Scott, BA and GM Aron. Effect of Chemical and Physical Agents on the Infectivity of Largemouth Bass Virus. American Society for Microbiology National Meeting, Salt Lake City, Utah. May 2002

Scott, BA and GM Aron. Effect of Chemical and Physical Agents on the Infectivity of Largemouth Bass Virus. TBASM Spring Meeting, March 21-22, 2002 Junction TX

Sanders, DE, BA Scott, and GM Aron. A Plaque Assay for the Detection of Infectious Largemouth Bass Virus, 1 - Humble High School, Humble TX and 2 - Southwest Texas State University, San Marcos, TX TBASM San Antonio, TX November, 2001

Scott, BA and GM Aron. Effect of Chemical and Physical Agents on the Infectivity of Largemouth Bass Virus. TBASM San Antonio, TX November, 2001

Corbin, BD, GM Aron, and RJC McLean. 1999. Biofilm susceptibility to bacteriophage infection. Texas Branch meeting, American Society for Microbiology, Fort Worth, TX  
***(Honorable mention, O.B. Williams Award for outstanding student research in general microbiology)***

Southard, GM and GM Aron. 1999. Use of cell viability for the determination of antiviral activity. 99th Annual Meeting, American Society for Microbiology, Chicago IL

BD Corbin, R.J.C. McLean, and **GM Aron**, 1999. Biofilm susceptibility to bacteriophage infection. 99th Annual Meeting, American Society for Microbiology, Chicago IL. (abstract chosen for conference press release)

DA Limbaugh, EA Weaver, M Whiteley, RJC McLean, and **GM Aron**. 1999. Isolation and preliminary characterization of a bacteriophage for *Chromobacterium violaceum*. 99th Annual Meeting, American Society for Microbiology, Chicago IL.

BD Corbin, **GM Aron**, and RJC McLean. 1999. Biofilm susceptibility to bacteriophage infection. Texas Branch meeting, American Society for Microbiology, Fort Worth, TX (Honorable mention, O.B. Williams Award for outstanding student research in general microbiology)

Limbaugh, DA, EA Weaver, M Whiteley, RJC McLean, and **GM Aron**. 1998 Isolation and Preliminary Characterization of a Bacteriophage for *Chromobacterium violaceum*. TBASM. College Station, Texas

Southard, GM and **GM Aron**. 1998. Use of cell viability for the determination of antiviral activity. TBASM. College Station, Texas.

Weaver, EA and **GM Aron**. 1997. Synergistic effect of PAP, guanidine, and ribavirin in combination on the replication of Influenza A virus and Newcastle Disease Virus. ASV Abstracts p. 105.

Weaver, EA and **GM Aron**. 1997. Synergistic effect of pokeweed antiviral protein (PAP) in combination with ribavirin and guanidine on the replication of Newcastle Disease Virus (NDV) ASM abstracts

Weaver, EA and **GM Aron**. 1996. The Effect of pokeweed antiviral protein (PAP) in combination with ribavirin and guanidine on the replication of Newcastle Disease Virus (NDV). TBASM abstracts p.28.

Rohde, RE and **GM Aron**. 1992 Effect of Pokeweed antiviral protein in combination with guanidine on poliovirus macromolecular synthesis. TBASM abstracts p.24.

Burow, D and **GM Aron**. 1991. Synergistic effect of combinations of pokeweed antiviral protein and guanidine on the multiplication of poliovirus. ASM abstracts p.23.

Burow, D and **GM Aron**. 1990. Synergistic effect of combinations of pokeweed antiviral protein and guanidine on the multiplication of poliovirus. TBASM abstracts p.18.

Irvin, JD, and **GM Aron**, 1982. Chemical modifications of pokeweed antiviral protein: effects upon ribosome inactivation and antiviral activity. Federation Proceedings.

Teltow, GJ, JD Irvin and **GM Aron**. 1982. Inhibition of herpes simplex type 1 DNA synthesis by pokeweed antiviral protein. ASM abstracts, p. 238.

Teltow, GJ, JD Irvin and **GM Aron**. 1981. Effect of pokeweed antiviral protein on macromolecular synthesis in herpes simplex virus type 1 infected cells. TBASM. San Antonio, Texas.

Teltow, GJ, JD Irvin and **GM Aron**. 1981. Effect of pokeweed antiviral protein on the multiplication of herpes simplex virus type 1. ASM Abstracts, p. 227.

**Aron, GM**, and JD Irvin. 1980. Inhibition of herpes simplex virus multiplication by the pokeweed antiviral protein. TBASM. Austin, Texas.

**Aron, GM** and CM Battreall. 1979. The production of infectious particles at the non permissive temperature by a temperature-sensitive mutant (Bacteriophage SH-133). ASM abstracts, p. 282.

**Aron, GM**, C Battreall, W.Friedrichs, and P Reed. 1977. Temperature-sensitive mutants of *Pseudomonas facilis* bacteriophage SH-133. Isolation, complementation and partial characterization. TBASM. Corpus Christi, Texas.

**Aron,GM**. 1975. DNA polymerase activity and DNA synthesis of herpes simplex virus type 1 temperature-sensitive mutants. Invited seminar: University of Texas, Austin, Texas.

**Aron, GM**, PA Schaffer, and M Benyesh-Melnick. 1973. DNA polymerase activity in DNA-negative temperature-sensitive mutants of herpes simplex virus. ASM abstracts, p. 201.

**Aron, GM**, RJ Courtney, P Schaffer, and M Benyesh-Melnick. 1972. Biochemical defects of temperature-sensitive mutants of herpes simplex virus (HSV). ASM abstracts, p. 203.

**Aron, GM**. 1971. Characterization of phage SH-133 and the infection of *Hydrogenomonas facilis*. under heterotrophic, autotrophic, and mixotrophic growth conditions. Doctoral dissertation. The Pennsylvania State University. Dissertation Abstracts, 32, No. 5.

**Aron, GM** and C Pootjes. 1970. Physiology of infection by a phage specific for the facultative autograph *Hydrogenomonas facilis*. Bact. Proc., p. 158.

Efthymiou, C and **GM Aron**. 1968. Heterofermentation patterns of *Pediococcus cerevisiae* under growth limiting conditions. Bact. Proc., p. 9

Funded External Grants and Contracts

1991-1993      Instrumentation and Laboratory Improvement Grant, National Science Foundation. Granted to support Enhancement of Undergraduate Biology Education in Virology \$48,800

Submitted, but not Funded, External Grants and Contracts

2002            Coordinating Board Area ARP Grant with Bob McLean. Transcriptional Profiling of *Escherichia coli* During Bacteriophage Infection in Biofilm and Planktonic Growth Advanced Research Program. Texas Higher Education Coordinating Board. \$150,000

2003            Coordinating Board Area ARP Grant A Homolysogenic Relationship in Cells of *Janthinobacterium lividum* Advanced Research Program. Texas Higher Education Coordinating Board. \$97,878

2005            Coordinating Board Area ARP Grant Effect of Biofilm Growth on Pseudolysogeny in *Janthinobacterium lividum* Advanced Research Program. Education Coordinating Board. \$100,000

Funded Internal Grants and Contracts

1996-1997      Research Enhancement Grant, Southwest Texas State University The role of adherent and non-adherent bacteria as natural reservoirs for bacterial viruses \$4,275.

1974-1997      Seventeen Research Enhancement Grants, Southwest Texas State University, \$48,788

Submitted, but not Funded, Internal Grants and Contracts

2002            SWT REP Proposal submitted with Mike Forestner. Characterization of a Novel Bacterial Virus which Infects *Chromobacterium violacium* \$15,690

## Fellowships, Awards, Honors

2000-2008 Homer E. Prince Professor of Microbiology by the Homer E. Prince  
Development Fund, Texas State University-San Marcos  
\$101,500

## IV. SERVICE

### University:

Mitte Scholarship Renewal Committee	1997-present
Financial Aid and Scholarship Committee	1997-present
Bobcat Powerlifting Team, Advisor	2000-2004
Alumni Assessment Liason	2000-2003
Academic Assessment Liason	1997-2003
University Safety Committee	1997-2003
Merit Scholarship Committee	1998-2000
Safety Committee	1996-2002
Academic Scheduling of Classrooms Team	1997-2000
Tau Kappa Epsilon, Advisor	1994-2000
Financial Aid and Scholarship Committee, Chair	1987-1997

### College:

Commencement Student Speaker Selection Committee	2009
Tenure and Promotion	2007-present
Dorothy Coker Research Fellowship Award Committee	2000-2003
College of Education Review Group	2003
Dorothy Coker Research Fellowship Award Committee	2000-2003
Allied Health Science Selection committee [clinical lab science immunologist]	2002

### Department:

Host Seminar Speaker Dr. Chris Sullivan	2009
Lecturer and Senior Lecturor Evaluation committee	2009-present
Senate Liason	2008-present
Technology Resources Representative	2003-present
Microbiology Advisor	2000-present
Student Society for Microbiology, Advisor	1997-present
G.H. Meyer Award Committee, Founder and Chair	1994-present
Curriculum Committee, Chair	2003-2007
Space Committee, Chair	2003-2007
Search Committee Aquatic Microbial Ecologist, Chair	2002-2003
Senate Liason	1997-2005
Executive Committee	1997-2000
Tenure Promotion Continuance Committee	1997-2000
Safety Committee	1997-2000
PMC Committee	1997-1998
SACS Review Committee	1997
Search Committee Geneticist, Chair	1997
CEC committee for performance and merit	1997

Personal Committee, Chair	1997-1999
Search Committee Microbiologist, Chair	1992-1993

Professional:

American Society for Microbiology (ASM)	1967-present
<b>Treasurer</b> Texas Branch ASM,	2003-present
American Society for Virology	1980-present
Texas Academy of Science	2006-present