

Quincy A. Quick, PHD
Associate Professor of Biology
Department of Biological Sciences
qquick@tnstate.edu

EDUCATION

INSTITUTION AND LOCATION	DEGREE	YEAR	CONFERRED FIELD OF STUDY
New Mexico State University Las Cruces, NM	PhD	2002	Molecular and Cellular Biology, Neuroscience
Virginia State University Petersburg, VA	MS	1996	Biology
Ferrum College Ferrum, VA	BS	1994	Biology

EMPLOYMENT AND POSITIONS

1/2018-present	Adjunct Assistant Professor of Radiation Oncology Vanderbilt University Medical Center Department of Radiation Oncology, Nashville, TN
8/2016-present	Associate Professor of Biology Tennessee State University Department of Biology, Nashville, TN
8/2013- 8/2016	Assistant Professor of Biology Tennessee State University Department of Biology, Nashville, TN
8/2011-8/2013	Assistant Professor of Biology Southern University at New Orleans Department of Biology, New Orleans, LA
1/2011-5/2011	Visiting Research Professor Virginia State University Department of Biology, Colonial Heights, VA
6/2008-6/2010	Visiting Professor Louisiana State University Health Sciences Center Department of Anatomy and Cellular Biology, Shreveport, LA
1/2008-1/2010	Adjunct Graduate Assistant Professor of Biology Louisiana Tech University Department of Biological Sciences, Ruston, LA
8/2006-9/2010	Assistant Professor of Cell and Molecular Biology Grambling State University Ernest E. Just Endowed Professor of Biology Department of Biological Sciences, Grambling, LA

1/2002-5/2003	Postdoctoral Fellow University of Massachusetts Medical School Department of Molecular Pharmacology and Biochemistry, Worcester, MA
5/2003-2/2006	Postdoctoral Fellow, VCU Medical Center Department of Pharmacology and Toxicology, Richmond, VA
6/2006-8/2006	Postdoctoral Fellow, University of Toronto, Sunnybrook Hospital Department of Radiation and Biophysics, Toronto, ON

RESEARCH EXPERTISE AND EXPERIENCE

8/2006-present	Investigating novel drugs and molecular targets for the treatment of brain tumors Tennessee State University, Department of Biology, Nashville, TN Southern University at New Orleans, Dept of Natural Sciences, New Orleans, LA Grambling State University, Department of Biological Sciences, Grambling, LA Principal Investigator: Dr. Quincy Quick
6/2006-7/2006	Studied the effects of radiation on the central nervous system University of Toronto, Sunnybrook Hospital, Toronto, ON Department of Radiation and Biophysics Postdoctoral Fellow
3/2003-1/2006	Studied novel drug agents for their ability to sensitize brain tumors to radiation Medical College of Virginia, Richmond, VA Massey Cancer Center/Dept of Pharmacology and Toxicology Postdoctoral Fellow
1/2002-1/2003	Investigated the roles of the transcription factors p63 and p73 during neural stem cell differentiation as well as their implications in neuro-cancer biology University of Massachusetts Medical School, Worcester, MA Department of Biochemistry and Molecular Pharmacology Postdoctoral Fellow
6/1997-12/2001	Studied mitotic activity and morphological changes that occur during early inner ear development in <i>Xenopus laevis</i> (South-African clawed frog) New Mexico State University, Las Cruces, NM Department of Biology
8/1994 - 7/1996	Investigated mesoionic compounds as possible anti-cancer agents on mouse fibroblast cells in culture (C3H10T _{1/2}) Virginia State University, Petersburg, VA Department of Biology

PUBLICATIONS

Peer-Reviewed Journal Manuscripts

1. Bonner K, Borlay K, Mabayyed G, **Quick QA** Microtubule Actin Crosslinking Factor 1 (MACF1) promotes transformation and oncogenic behavior in astrocyte glial cells. BMC Research Notes. 2021 Submitted (under review).
2. Bonner K, Borlay D, Kuten O, **Quick QA**. Inhibition of the Spectraplakins Protein Microtubule Actin Crosslinking Factor 1 Sensitizes Glioblastomas to Radiation. Brain Tumor Res Treat. 2020 Apr;8(1):43-52. doi:10.14791/btrt.2020.8.e1. PubMed PMID: 32390353.

3. Maheshwari A, Mmbaga M, **Quick Q** *Nigrospora Sphaerica* Products from the Flowering Dogwood Exhibit Antitumorogenic Effects via the Translational Regulator, pS6 Ribosomal Protein. CPQ Cancer. 2018.
4. **Quick QA**. Microtubule-Actin Crosslinking Factor 1 and Plakins as Therapeutic Drug Targets. Int J Mol Sci. 2018 Jan 26;19(2). pii: E368. doi: 10.3390/ijms19020368. Review.
5. Afghani N, Mehta T, Wang J, Tang N, Skalli O, **Quick Q** Microtubule Actin Cross-linking Factor 1 a novel target in glioblastoma, Int J Oncol. 2017 Jan;50(1):310-316.
6. **Quick, Q** Cytoskeletal signaling in brain tumors. Journal of Molecular Signaling Updates. 2016; 1, 1-10.
7. Mehta T, Vercruyse K, Johnson T, Ejiogor AO, Myles E, **Quick QA** Violacein induces p44/42 mitogen-activated protein kinase-mediated solid tumor cell death and inhibits tumor cell migration. Mol Med Rep. 2015 Mar 20. doi: 10.3892/mmr.2015.3525
8. **Quick Q**, Paul M, Skalli O Roles and Potential Clinical Applications of Intermediate Filament Proteins in Brain Tumors. Seminars in Pediatric Neurology. 2014. doi: <http://dx.doi.org/10.1016/j.spen.2014.12.005>
9. Mahdavian E, Marshall M, Martin P. M. , Cagle P, Salvatore B, **Quick Q. A.**, Caspase dependent signaling underlies glioblastoma cell death in response to the fungal metabolite, fusarochromanone. International Journal of Molecular Medicine 2014. Sep;34(3):880-5. doi: 10.3892/ijmm.2014.1842. Epub 2014 Jul 9.
10. Mahdavian E, Williams-Hart T, Furmanski B, Yoon-Jee Kim Y, Bhinge K.N., Liu Y.Y., Kolluru G.P., Wu Y, Palyok P, Adelmund S., Kevil C.G., Shile Huang S., **Quick Q.A.**, Brian A. Salvatore B.A., and John L. Clifford J.L. Biological Activities of Fusarochromanone: A Potent Anti-Cancer Agent BMC Research Notes. BMC Res Notes. 2014 Sep 3;7:601. doi: 10.1186/1756-0500-7-601.
11. Williams M., Tietzel I, **Quick Q** Acetoxychavicol acetate promotes caspase 3 activated glioblastoma cell death by overcoming enhanced cytokine expression Oncology Letters. June 2013; 5(6): 1968-1972.
12. **Quick, Q.** Faison MO CHOP and caspase 3 induction underlie glioblastoma cell death in response to endoplasmic reticulum stress. Journal of Experimental and Therapeutic Medicine. March 2012; 3(3): 487-492.
13. Henry W*, Dubois J*, **Quick Q** The microtubule inhibiting agent, Epothilone B, antagonizes glioma cell motility associated with reorganization of the actin-binding protein, α -actinin 4. Oncol Rep. 2011 Mar; 25 (3):887-93. Epub 2011 Jan 13. (student co-authors *)
14. **Quick Q**, Skalli O. Alpha-actinin 1 and alpha-actinin 4: contrasting roles in the survival, motility, and RhoA signaling of astrocytoma cells. Exp Cell Res. 2010 Apr 15;316(7):1137-47.
15. **Quick, QA** Epothilone B induces cell death in glioblastoma cells via down-regulation of survivin. Experimental Oncology. Journal of Experimental Oncology. 2008 Sep;30(3):195-201.
16. **Quick, QA** and Serrano, EE Cell proliferation during the early compartmentalization of the *Xenopus laevis* inner ear. Int J Dev Biol. 2007;51(3):201-9.
17. **Quick, QA** and Gewirtz, DA An accelerated senescence response to radiation in wild-type p53 glioblastoma multiforme cells. J Neurosurg. 2006 Jul;105(1):111-8.

18. **Quick, QA** and Gewirtz, DA Enhancement of radiation sensitivity, delay of proliferative recovery after radiation and abrogation of MAPK (p44/42) signaling by imatinib in glioblastoma cells. Int J Oncol. 2006 Aug;29(2):407-12.
19. **Quick, Q.A.** and Serrano, E.E. Inner ear formation during the early larval development of *Xenopus laevis*. Dev Dyn. 2005 Nov;234(3):791-801.
20. Serrano EE, Trujillo-Provencio C, Sulzemeier DR, Bullock WM, **Quick QA**. Identification of genes expressed in the *Xenopus* inner ear. Cell Mol Biol (Noisy-le-grand). 2001 Nov;47(7):1229-39.

Book Chapter(s)

Quick, Q., Pan, Y., Skalli O Role of Synemin in Astrocytoma Cell Migration. Tumors of the Central Nervous System, Volume 5: Astrocytomas, Hemangioblastomas, and Gangliogliomas. Springer. Nov 28 2011. pages 81-88.

GRANTSMANSHIP

- 2017 Targeting MACF1 in glioblastomas
Project Number: 1SC3GM121178-01
National Institutes of Health-NIGMS
Project Start Date: 1-AUG-2017 Project End Date: 31-JUL-2021
\$426,000
Role: PI
- 2012 Undergraduate Enhancement of Cell Biology Curriculum at Southern University at New Orleans
Louisiana Board of Regents
Funded
Southern University at New Orleans
- 2012 Epigenetic Regulation of alpha-actinin 1 and 4 by miRNAs in glioblastomas-
Louisiana Biomedical Research Network
Funded
Southern University at New Orleans
- 2012 Cell Biology at Southern University at New Orleans
American Society for Cell Biology
Funded
Southern University at New Orleans
- 2009 American Society for Cell Biology Visiting Professor Award
American Society for Cell Biology
Funded
Grambling State University
- 2008 American Society for Cell Biology Visiting Professor Award
American Society for Cell Biology
Funded
Grambling State University

DEPARTMENT AND UNIVERSITY SERVICE

2021-2025	Chair Research Integrity Committee	TSU
2020-2022	Faculty Senate Representative-College of Life and Physical Sciences	TSU
2020-2022	Chair Student Appeals Committee	TSU
2020-2022	Graduate Program Coordinator-Department of Biology	TSU

2020-2022	Graduate Program Assessment Coordinator-Department of Biology	TSU
2020-2022	Graduate Council Representative- Department of Biology	TSU
2020-2021	Tenure and Promotion Committee- College of Life and Physical Sciences	TSU
2020	Faculty Search Committee- Department of Biology	TSU
2019	Faculty Search Committee- Department of Biology	TSU
2018	Department of Biology Tenure and Promotion Committee	TSU
2018-2019	Faculty Mentoring Committee	TSU
2017-2019	University Academic Committee	TSU
2017	Faculty Search Committee- Department of Psychology	TSU
2017-2018	National Editor Beta Kappa Chi	TSU
2016-2018	Campus-Wide PR Team	TSU
2015-2019	TSU-NERVE Co-Program Director	TSU
2013-present	Department Recruitment Committee	TSU
2013-present	Master's and Doctoral Graduate Student Committees	TSU
2013-present	Dept. Strategic Planning/Faculty Development/Facilities Committee	TSU
2013-present	Department of Biology Foundation Committee	TSU
2013-present	Department of Biology Lower Division Advisement Committee (Chair)	TSU
2013-2015	University Budget committee	TSU
2013-2015	University Research committee	TSU
2013-2015	College of Agriculture, Faculty Awards Committee	TSU
2013-2015	College of Agriculture, Consortium Advisor Committee	TSU
2011-2013	Department of Biology Book Committee	Southern University at New Orleans
2006-2007	Faculty Senate Representative	Grambling State University
2006-2010	Department of Biology Lab Manual Development Committee	Grambling State University

PROFESSIONAL SERVICE AND ACTIVITIES

Higher Education Leadership Foundation	2020
--	------

GRANT(S) REVIEWER

AGENCY	STUDY SECTION	YEAR
National Institutes of Health	Clinical Neuroimmunology and Brain Tumors Study Section	2021
National Institutes of Health	NCI Special Emphasis Panel Glioblastoma Treatment	2021
National Institutes of Health	Clinical Neuroimmunology and Brain Tumors Study Section	2020
National Institutes of Health	Clinical Neuroimmunology and Brain Tumors Study Section	2019
National Institutes of Health	Molecular Oncogenesis	2019
National Institutes of Health	Tumor Cell Biology	2018
National Institutes of Health	Clinical Neuroimmunology and Brain Tumors Study Section	2018

ROLE	JOURNAL	YEAR	INSTITUTION
Editorial Board Member	Science Proceedings	2015-present	TSU
Editorial Board Member	Molecules and Medicinal Chemistry	2015-present	TSU
Editorial Board Member	Journal of Molecular Signaling Updates	2015-present	TSU
Reviewer	Current Molecular Pharmacology	2020-present	TSU
Reviewer	Archives of Cancer Biology and Therapy	2020-present	TSU
Reviewer	Biology	2020-present	TSU
Reviewer	International Journal of Oncology	2015-present	TSU
Reviewer	Oncology Reports	2015-present	TSU
Reviewer	International Journal of Molecular Med	2015-present	TSU
Reviewer	Journal of Cancer Therapy	2015-present	TSU
Reviewer	Journal of Neurochemistry	2015-present	TSU
Reviewer	BMC Cancer	2015-present	TSU
Reviewer	Journal of Cancer Investigation	2008	Grambling State University

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

1997- present American Society for Cell Biology
1997- present Society for Neuroscience
2003- present American Association for Cancer Research

HONORS AND AWARDS

2021 1,000 Inspiring Black Scientists in America
<https://crosstalk.cell.com/blog/1000-inspiring-black-scientists-in-america>

2016 American Association for Cancer Research (MICR) Minority Serving Institution Faculty Scholar in Cancer Research Award Recipient
American Association for Cancer Research (Grambling State University)

2008-10 Ernest E. Just Endowed Professor of Biology (Grambling State University)

2009 American Association for Cancer Research (MICR) Minority Serving Institution Faculty Scholar in Cancer Research Award Recipient
American Association for Cancer Research (Grambling State University)

2008 American Association for Cancer Research (MICR) Minority Serving Institution Faculty Scholar in Cancer Research Award Recipient
American Association for Cancer Research (Grambling State University)

PROGRAM LEADERSHIP AND MENTORSHIP

2020- present Graduate Program Coordinator- Department of Biology (Tennessee State University)
The Department of Biology has both Master's and Doctoral graduate programs with approximately 21 and 48 students respectively, where students are trained across several subdisciplines of Biology that include the biomedical sciences, microbiology, agriculture, and genomics.

2016- present Meharry Medical College, Vanderbilt University, Tennessee State University (U54) Cancer Partnership Mentor (Tennessee State University)
The Meharry-Vanderbilt-TSU Cancer Partnership exists as a collaboration of research and service centers dedicated to reducing the high cancer incidence and death rates among minorities. It is funded through a highly competitive U54 Partnership Grant from the National Cancer Institute with a focus on population science, basic and clinical research, as well as community outreach.

2015- 2019 co-Program Director TSU-NERVE Program (Tennessee State University)
The TSU-NERVE program is a partnership between TSU and Vanderbilt to increase the number of minority students that pursue PhDs in Neuroscience via course work and research experiences in neuroscience for students majoring in Biology, Psychology, and Chemistry.

2013- present	<p>Tennessee Louis Stoke Alliance for Minority Participation (TLSAMP) Mentor (Tennessee State University)</p> <p>The TLSAMP program, supported by the National Science Foundation, is a partnership of ten major institutions of higher learning in the state of Tennessee. Each partner institution is responsible for the development and implementation of strategies geared toward increasing undergraduate retention and graduation rates of its science, technology, engineering and mathematics (STEM) majors.</p>
2011-2013	<p>E³MaS Enhancement, Enrichment and Excellence in Mathematics and Science (Southern University at New Orleans)</p> <p>The goals of E3MaS are to improve the quality of incoming high school students through Summer Enrichment Program (SEP), and improving the quality of undergraduate students through scholarships, learning center support, research mentoring, placement in summer internships, and GRE preparation.</p>
2008- 2010	<p>Research Apprentice Mentor (Grambling State University)</p> <p>The overall goal of the RAMP program is to actively engage GSU-LAMP scholars in a research apprentice mentoring program that will effectively strengthen the necessary skills needed for graduate school admission and retention.</p>
2008-2010	<p>Rising Sophomore Academy Coordinator (Grambling State University)</p> <p>The Rising Sophomore Academy under the auspices of the Center for Mathematics Science and Technology (CMAST) aims to pro-actively develop and train twenty-first century scientists, mathematicians, and engineers by providing a diverse experience across the STEM disciplines at Grambling State University.</p>
2007-2010	<p>Research Initiative for Scientific Enhancement Mentor (Grambling State University)</p> <p>RISE is a student development program for minority-serving institutions. The goal of the program is to increase the number of students from groups underrepresented in biomedical and behavioral research who complete Ph.D. degree programs in these fields.</p>
2007-2008	<p>National Institute of Mental Health Career Opportunities in Research Mentor (Grambling State University)</p> <p>The NIMH Career Opportunities in Research (COR) supports undergraduate research training to develop a pool of individuals who will help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda for mental health.</p>

Graduate Students

Kala Bonner	Ph.D. student, Tennessee State University, 2017-present
Asha Maheshwari	Ph.D. student, Tennessee State University, 2016-2018
Toral Mehta	Ph.D. student, Tennessee State University, 2013-2016
Danielle Borlay	M.S. student, Tennessee State University, 2020-present
Stacy Desine	M.S. student, Tennessee State University, 2019-present
Phyllicia Hemphill	M.S. student, Tennessee State University, 2019-present
Latoya Daniels	M.S. student, Tennessee State University, 2019-present
Najlala Afghan	M.S. student, Tennessee State University, 2014-2016
Fatima Green	M.S. student, Tennessee State University, 2016
Leon Sanders	M.S. student, Louisiana Tech University, 2010

Undergraduate Scholars Sponsored/Mentored

Autumn Brunson	B.S. student	Tennessee State University, 2019-2020- TSU-NERVE
Shelby Davis	B.S. student	Tennessee State University, 2019-2020- TSU-NERVE
Brianna McCullom	B.S. student	Tennessee State University, 2019-2020- TSU-NERVE
Aliyah Muhammed	B.S. student	Tennessee State University, 2019-2020- TSU-NERVE
Gabriella Mobayed	B.S. student	Tennessee State University, 2019-present- SOARS/TLSAMP
Shania Ferguson	B.S. student	Tennessee State University, 2019-present- MVTCP U54/TLSAMP
Alexandra Lee	B.S. student	Tennessee State University, 2018-present- MVTCP U54
Katelyn Atkinson	B.S. student	Tennessee State University, 2017-2018 MVTCP U54/TLSAMP
Danielle Borlay	B.S. student	Tennessee State University, 2016-present- MVTCP U54
Orica Kutten	B.S. student	Tennessee State University, 2016-present- MVTCP U54
Hashim Alsadah	B.S. student	Tennessee State University, 2016
Ra'Shunda Hackett	B.S. student	Tennessee State University, 2015-2016- TSLAMP
Romin Geiger	B.S. student	Tennessee State University, 2015-2016- TSU-NERVE
Germysa Little	B.S. student	Tennessee State University, 2015-2016- TSU-NERVE
Erin Chatman	B.S. student	Tennessee State University, 2015-2016- TSU-NERVE
Renita Jones	B.S. student	Tennessee State University, 2015-2016- TSU-NERVE
Jordyne Jackson	B.S. student	Tennessee State University, 2015-2016- TSU-NERVE
Monique Marshall	B.S. student	Tennessee State University, 2013-2015
Musa Williams	B.S. student	Southern University at New Orleans, 2011-2013- E ³ MaS
Sonia Hill	B.S. student	Southern University at New Orleans, 2011-2013- E ³ MaS
Michael Okoronku	B.S. student	Southern University at New Orleans, 2011-2013- E ³ MaS
Amaeze Ahanotu	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Byron Booker	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Deneco Brown	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Derrien Green	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Alicia Hall	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Whitlee Haymore	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Aaron Holmes	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Chanelle Hopson	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Frederickia Jackson	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Ian Jackson	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Robert Jenkins	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Sydne Jolivette	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Maudrella Jones	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Jalisa Matthews	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Brittany Rhodes	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Shantia Stringfellow	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Michael Terrell Jr.	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Dominique Turner	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Curshana Tolliver	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Eric Washington	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
William Washington	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Arnesha Williams	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Hollye Williams	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Tia Williams	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Anthony Woods	B.S. student	Grambling State University, 2008- Rising Sophomore Academy
Whitney Henry	B.S. student	Grambling State University, 2008-2010
Juwen Dubois	B.S. student	Grambling State University, 2008-2010
Candice Gaines	B.S. student	Grambling State University, 2007-2008- RISE
Candice Thompson	B.S. student	Grambling State University, 2007-2008- NIMH COR
Dareece Gibson	B.S. student	Grambling State University, 2006-2007- RISE