

Sudan N. Loganathan, B.S.

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EDUCATION

Doctor of Philosophy, Neuroscience/Pharmacology/Cancer Biology Aug 2013 – Present
Expected Graduation: May 2017
Meharry Medical College | Nashville, TN

Bachelor of Science in Biomedical Sciences/Chemistry Aug 2009 – May 2013
Degree Awarded: May 2013
Murray State University | Murray, KY

PROFESSIONAL WORK EXPERIENCE

Neurosurgical Oncology Research Laboratory Jan 2014 - Present
Preceptor: Dr. Jialiang Wang
Vanderbilt University Medical Center | Nashville, TN

Germline Stem Cell Laboratory June 2009 – May 2013
Preceptor: Dr. Alexey Arkov
Murray State University | Murray, KY

Chemical Services Laboratory June 2008 – May 2009
Preceptor: Dr. Judy Ratliff
Murray State University | Murray, KY

INTERNSHIP EXPERIENCE

Oral Microbiology Oct 2013 – Dec 2013
Preceptor: Dr. Hua Xie
Meharry Medical College School of Dentistry | Nashville, TN

Cancer Immunology Aug 2013 – Oct 2013
Preceptor: Dr. Anil Shanker
Meharry Medical College School of Medicine | Nashville, TN

New York State Department of Health June 2010 – Aug 2010
Preceptor: Dr. Kurunthachalam Kannan
Wadsworth Center | Albany, NY

Chemical Services Laboratory Jan 2007 – May 2008
Preceptor: Dr. Judy Ratliff
Murray State University | Murray, KY

PUBLICATIONS

The MAPK pathway regulates intrinsic resistance to BET inhibitors in colorectal cancer

Ma Y, Wang L, Neitzel LR, Loganathan S, Tang N, Qin L, Emily CE, Guo Y, Knapp S, Beauchamp RD, Lee E, Wang J
Clin. Cancer Res. [Epub ahead of print]. 2016 PMID: 27678457

BET bromodomain inhibitors suppress EWS-FLI1-dependent transcription and the IGF1 autocrine mechanism in Ewing sarcoma

Loganathan SN, Tang N, Fleming JT, Ma Y, Guo Y, Borinstein SC, Chiang C, Wang J.
Oncotarget [Epub ahead of print]. 2016 PMID: 27259270

PUBLICATIONS CONTINUED

Insulin-mediated signaling promotes proliferation and survival of glioblastoma through AKT activation

Gong Y, Ma Y, Sinyuk M, Loganathan S, Thompson RC, Sarkaria JN, Chen W, Lathia JD, Mobley BC, Clark SW, Wang J.

Neuro Oncol, 18(1): 48-57. 2015 PMID: 26136493

Critical functions of RhoB in support of glioblastoma tumorigenesis

Ma Y, Gong Y, Cheng Z, Loganathan S, Kao C, Sarkaria JN, Abel TW, Wang J.

Neuro Oncol, 17(4): 516-25. 2015 PMID: 25216671

Glycolytic enzymes localize to ribonucleoprotein granules in Drosophila germ cells, bind Tudor and protect from transposable elements

Gao M, Thomson TC, Creed TM, Tu S, Loganathan SN, Jackson CA, McCluskey P, Lin Y, Collier SE, Weng Z, Lasko P, Ohi MD, Arkov AL.

EMBO Rep, 16(3): 379-86. 2015 PMID: 25600116

An in vivo crosslinking approach to isolate protein complexes from Drosophila embryos

Gao M, McCluskey P, Loganathan SN, Arkov AL.

J Vis Exp, 23;(86). doi: 10.3791/51387. 2014 PMID: 24797807

Occurrence of bisphenol A in indoor dust from two locations in the eastern United States and implications for human exposures

Loganathan SN and Kannan K.

Arch Environ Contam Toxicol, 61(1): 68-73. 2011 PMID: 21221962

Novel role of specific Tudor domains in Tudor-Aubergine protein complex assembly and distribution during Drosophila oogenesis

Creed TM, Loganathan SN, Varonin D, Jackson CA, Arkov AL.

Biochem Biophys Res Commun, 402(2): 384-9. 2010 PMID: 20946872

PUBLISHED ABSTRACTS

Spatial and temporal trends of organohalogen pollutants in pine needles from Western Kentucky, USA

Boddyreddy SR, Loganathan SN, Sajwan KS, Weber E, Loganathan BG.

Organohalogen Compounds (74), 332-335. 2012

Triclosan concentrations in Western Kentucky watershed

Loganathan S, Benningfield D, Loganathan BG.

Organohalogen Compounds (71), 542-546. 2009

PROFESSIONAL POSTER PRESENTATIONS

Vanderbilt Program in Molecular Medicine Retreat

June 2016

Poster Title: BET Bromodomain Epigenetic Readers as Therapeutics Targets for Ewing's sarcoma

Vanderbilt University School of Medicine | Nashville, TN

59th Annual Meharry Medical College Student Research Day

March 2015

Poster Title: BET Bromodomain proteins regulate WNT signaling and resistance to MEK inhibitors in KRAS-mutant gastric cancer

Meharry Medical College | Nashville, TN

Vanderbilt University Department of Pharmacology Retreat

Oct 2014

Poster Title: BET Bromodomain proteins regulate WNT signaling and resistance to MEK inhibitors in colorectal cancer

Vanderbilt University School of Medicine | Nashville, TN

PROFESSIONAL POSTER PRESENTATIONS CONTINUED

- 14th Annual Vanderbilt-Ingram Cancer Center/Dept. of Cancer Biology Retreat** May 2014
Poster Title: InsR/IGF1R signaling promotes tumorigenicity and EGFR inhibition in glioblastoma
Vanderbilt University School of Medicine | Nashville, TN
- Germ Cells** Oct 2012
Poster Title: Recruitment of the glycolytic pathway to the germ granules
Cold Spring Harbor Laboratory | Cold Spring Harbor, NY
- 32nd International Symposium on Halogenated Persistent Organic Pollutants** Aug 2012
Poster Title: Spatial and temporal trends of organohalogen pollutants in pine needles from
Western Kentucky, USA
Dioxin | Cairns, AUS
- 29th International Symposium on Halogenated Persistent Organic Pollutants** Aug 2009
Poster Title: Triclosan concentrations in western Kentucky watershed
Dioxin | Beijing, CHN

PROFESSIONAL ORAL PRESENTATIONS

- 15th Annual St. Jude Children's Hospital National Graduate Student Symposium** April 2016
Presentation Title: BET Bromodomain Epigenetic Readers as Therapeutic Targets for Ewing's sarcoma
St. Jude Children's Hospital | Memphis, TN
- 15th Annual Vanderbilt-Ingram Cancer Center/Department of Cancer Biology Retreat** Nov 2015
Presentation Title: BET Bromodomain Proteins Regulate EWS/FLI-1 Driven-Transcription in Ewing's Sarcoma
Vanderbilt University School of Medicine | Nashville, TN
- Vanderbilt University Department of Pharmacology Retreat** Oct 2015
Presentation Title: BET Epigenetic Readers as Therapeutic Targets in Ewing's sarcoma
Vanderbilt University School of Medicine | Nashville, TN

HONORS AND AWARDS

- 2nd Place Recipient, Poster Competition** Nov 2016
Vanderbilt-Ingram Cancer Center and Department of Cancer Biology Retreat
- Top Graduate Student in Neuroscience PhD Program** Oct 2016
Meharry Medical College
- 1st Place Recipient, Poster Competition** June 2016
Vanderbilt Program in Molecular Medicine Retreat
- Top Peer-Reviewed, High Scoring Abstract Award** Nov 2015 – 2016
Vanderbilt-Ingram Cancer Center and Department of Cancer Biology Retreat
- 1st Place Recipient, Poster Competition** March 2015
59th Annual Meharry Medical College Student Research Day
- Featured Research Article: BPA in the Air** Oct 2014
Environmental Health News
Staff Writer: Brian Bienkowski
- 1st Place Recipient, Poster Competition** March 2010
Murray State University Sigma Xi Chapter Annual Meeting
- Outstanding Undergraduate Researcher Award** Mar 2009 - Mar 2012
Murray State University Sigma Xi Chapter Annual Meeting

HONORS AND AWARDS CONTINUED

Dean's List for Academic Achievement <i>Murray State University</i>	Jan 2012
Murray Kiwanis Club Undergraduate Merit Scholarship <i>Murray State University</i>	Aug 2009 – May 2010
Dr. Pete Panzera Memorial Scholarship <i>Murray State University</i>	Aug 2009
David A. Vaughn Memorial Scholarship <i>Murray State University</i>	Aug 2009
Melvin Henley House of Representatives Outstanding Achievement Award	Aug 2009
Senate Outstanding Achievement Award	Aug 2009
KEES Merit Scholarship Recipient	Aug 2009

RESEARCH SUPPORT

National Institutes of Health (NIH) T32 Training Grant Vanderbilt University Department of Pharmacology	July 2015 – July 2017
NIH Research Initiative for Scientific Enhancement (RISE) Grant R25 Meharry Medical College	Aug 2013 – June 2015
Undergraduate Research and Scholarly Activity (URSA) Grant Murray State University	Aug 2009 – May 2011

PROFESSIONAL AFFILIATIONS

Vanderbilt Program in Molecular Medicine <i>Clinical Mentor: Dr. Scott C. Borinstein</i>	Sept 2015 – Present
Society for Neuroscience (SfN) <i>Middle Tennessee Chapter (MTNCSfN)</i>	Jan 2014 – Present
Graduate Student Association <i>Meharry Medical College</i>	Aug 2013 - Present
Beta Beta Beta Biological Honors Society <i>Murray State University Chapter</i>	Aug 2010 – May 2013
Gamma Sigma Epsilon Chemistry Honors Society <i>Murray State University Chapter</i>	Aug 2010 – May 2013
American Chemical Society <i>National Student Member</i>	Aug 2009 – May 2013
American Medical Students Association <i>National Student Member</i>	Aug 2009 – May 2013

PROFESSIONAL LEADERSHIP

Gamma Sigma Epsilon Chemistry Honors Society Secretary, Murray State University Chapter	Aug 2011 – May 2012
Sergeant at Arms, Murray State University Chapter	Aug 2012 – May 2013

PROFESSIONAL LEADERSHIP CONTINUED

American Chemical Society

Vice President, Murray State University Chapter

Aug 2010 – May 2011

American Medical Students Association

Treasurer, Murray State University Chapter

Aug 2009 – May 2011

SERVICE ACTIVITIES

Interfaith Dental Clinic (Nashville, TN)

An organization established to provide affordable dental care to the underserved community of Metro-Nashville area. The clinic also acts as an academic environment providing training and certification for Dental Hygienist and Advanced Education in General Dentistry Residency.

Sept 2013 - Present

The Nations Neighborhood Community Member (Nashville, TN)

Neighborhood committee organized to oversee the development and preservation of Historic West Nashville.

Jan 2015 – Present

Western Kentucky Four Rivers Watershed Watch (Murray, KY)

Collected water samples from local watershed and conducted quality analysis to report to local and state government regarding water quality.

Jan 2009 – May 2013

American Red Cross (Murray, KY)

Distributed flyers to local businesses to advertise and inform regarding fundraising events to support the local American Red Cross Chapter.

Sep 2015 – Nov 2015

Murray High School Varsity Tennis Assistant Coach (Murray, KY)

Assisted in athletic conditioning and recruitment for high school varsity level tennis.

Jan 2010 – May 2010

CLINICAL SHADOWING EXPERIENCES

Monroe Carell Jr. Children's Hospital (Vanderbilt University)

Clinical Mentor: Dr. Scott C. Borinstein
Pediatric Hematology/Oncology
Nashville, TN

Sept 2015 – Present

Interfaith Dental Clinic

Clinical Mentor: Dr. Laurie Carlisle
General Dentistry/Oral & Maxillofacial Surgery
Nashville, TN

Sept 2015 – Present

KY TN Oral & Maxillofacial Surgery

Clinical Mentor: Dr. Michael L. Bobo
Oral & Maxillofacial Surgery
Murray, KY

Dec 2013

Primary Care Medical Center

Clinical Mentor: Richard E. Blalock
Internal Medicine
Murray, KY

June 2012 – July 2012

Murray Ophthalmology Associates

Clinical Mentor: Dr. David F. Bryson
General Ophthalmology
Murray, KY

Jan 2009 – May 2009