# Russell Joseph Ledet

282 Whiton Street Apt 2, Jersey City, NJ 07304
ledetr01@nyumc.org / 202-351-1664 / 212-263-7000
http://OPResume.com/RLedet

## Mentoring and Teaching

### Clear Direction STEM Mentoring Program

September 2014 ~ Current | Co-Founder and President | New York City, New York, United States

Clear Direction is a mentoring program that provides underrepresented minority high school students with invaluable exposure to STEM through formal long-term mentorship from current PhD and MD/PhD students at top-tier institutions in New York City. Clear Direction has recieved a grant from the Synberc Group of UCSF and funding from NYU Sackler.

### AP Biology Teacher in Education/Academia - Early Childhd/Preschool to Secondary

August 2015 ~ May 2017 | Achievement First University Prep High School | Brooklyn, New York, United States

### Biology and Chemistry REGENTS Tutor in Sciences - Physical Sciences

July 2013 ~ Current | Tutor | New York City, New York, United States

## Academics

### Ph.D., Molecular Oncology and Pharmacology

June 2013 ~ Current | New York University School of Medicine- Sackler Institute of Graduate Biomedical Sciences | New York City, New York, United States

Doctoral Candidate

Garabedian-Logan Laboratory

Thesis: Identification of Novel Substrates for PIM1 and HIPK2 in Prostate Cancer using Mass Spectrometry-Assisted Chemical Genetics

### MS, Biomedical Sciences

June 2013 ~ July 2015 | New York University School of Medicine- Sackler Institute of Graduate Biomedical Sciences | New York City, New York, United States

### B.S. in Biology

Fall 2009 ~ Spring 2013 | Southern University Agricultural and Mechanical College | Baton Rouge, Louisiana, United States

Cum Laude

GPA: 3.642 (4.0 scale)

### B.S. in Chemistry

Fall 2009 ~ Spring 2013 | Southern University Agricultural and Mechanical College | Baton Rouge, Louisiana, United States

Cum Laude

GPA: 3.642 (4.0 scale)

## Certifications

**CURRENT TS/SCI CLEARANCE (with Counterintelligence Polygraph)** **U.S. Navy** February /2012

## Experience

### Biomedical Scientist in Sciences - Life Sciences

2009 ~ Current New York University United States

- "Identification of PIM1 and HIPK2 Substrates in Castration-Resistant Prostate Cancer Utilizing Chemical Genetics". September 2013-Current. Thesis Laboratory, NYU Sackler Institute of Graduate Biomedical Sciences. Advisors, Michael Garabedian and Susan K. Logan. New York, NY.
- "Towards the Synthesis of Tryptophan-Derived BODIPY Dyes utilizing GLY-TRP-GLY and GLY-GLY-TRP Residues in Solid and Solution Phase". Jan 2013-May 2013.Department of Chemistry, Dr. Graca Vicente, Louisiana State University, Baton Rouge, LA.
- "Phosphoinositide-3-kinase Inhibitors Attenuate Cytokine Release in Human and Brown-Norway Rat Lung PCLS". Summer 2012. UNCF-Merck Fellowship. Respiratory and Immunology Department, Merck Research Laboratories-Boston, Drs. Steve Alves and Yanlin Jia. Boston, MA.
- "Development of New Fluorescent Porphyrin-based Macrocycles for Application in Medicine [e.g. diagnosis, photodynamic therapy (PDT) and boron neutron capture therapy (BNCT)] of Cancer". Summer 2011. Louisiana Biomedical Research Network Fellowship (LBRN). Department of Chemistry, Dr. Graca Vicente, Louisiana State University, Baton Rouge, LA.
- “The Gene Networks Associated with the Jamaican Bush Tea” 2009-2013. Molecular Endocrinology Research Group. Department of Chemistry, Southern University Baton Rouge, LA.
- “Exploring the Gene Networks Associated with the Putative Chemopreventative Plant Kola Acuminata (Bizzy Nut)” Summer 2010. Louis Stokes-Louisiana Alliance for Minority Participation(LS-LAMP) Summer Fellowship. Southern University-Baton Rouge, LA.

### Cryptologic Technician, Active [2 yrs], Reserve [4 yrs]

2007 ~ 2013 United States Navy United States, United States

- Operating collection and analysis consoles on surface, subsurface, and airborne platforms, as well as at shore commands.
- The first line of defense against inbound threats and anti-ship missiles for deployed units.
- Working with highly classified and technical material in support of national security.
- Providing electronic intelligence support to commands throughout the world.
- Tracking surface and airborne targets of interest to determine defensive maneuvers and tactics in case of attack.
- Operating state-of-the-art electronic receivers, signal modifiers, digital recording devices and associated peripherals in collection of airborne, shipborne, and land-based radar signals.
- Performing in-depth technical analysis of radar signals/systems to produce technical reports and briefs for operational facilities in the United States, Hawaii, Japan, Spain, Great Britain, Australia, and various remote sites throughout the world.
- Completed 2 tours at the National Security Agency- Fort Gordon, Georgia.

### Ceremonial Guardsman

2004 ~ 2007 United States Navy Washington, D.C., United States

- Representing the service in Presidential, Joint Armed Forces, Navy, and public ceremonies in and around the nation’s capital.
- Participating in Presidential burials, Inaugurations, foreign national arrivals.
- Completed 2,349 burials in Arlington National Cemetery, Quantico National Cemetery.
- Named Leader of the Dover Comrade Recovery Team for returning fallen soldiers, airmen, marines, and sailors.

## Organizational Involvement

• Diversity Chair, NYU Sackler Student Council, 2014-2015
• Outreach Chair, Executive Board, Minority Graduate Student Network of NYC, 2014-Current
• Phi Beta Sigma Fraternity, Incorporated, 2012-Current
• American Association for the Advancement of Science, 2013-Current
• American Chemical Society, 2011-Current
• American Association of Cancer Research, 2011-Current
• Court Appointed Special Advocate (CASA), 2009-2013
• Beta Kappa Chi National Biology Honor Society, Vice President, 2009-2013
• NAACP, 2009-2012
• National Institute of Science Honor Society, 2010-2013
• Minority Association for Pre-Health Students (President), 2009-2013
• Beta Beta Beta National Honor Society(Vice President) 2009-2013
• Chemistry Club, 2010-2013

## Honors and Awards

• 2016 Howard Hughes Medical Institute Gilliam Fellowship for Advanced Study Awardee
• 2015 Synberc Expanding Potential Seed Project Grant Awardee
•2015 Ford Foundation Predoctoral Fellowship Awardee
•2014 NIH NCI Molecular Oncology Training Grant Awardee
•2014 Ford Foundation Predoctoral Fellowship Honorable Mention
•2013 American Chemical Society Coates Award
•2012-2013 American Chemical Society Undergraduate Scholar
•2012 United Negro College Fund-Merck Undergraduate Fellow
•2012-2013 AACR Thomas J. Bardos Science Education Scholar
•2012 NIH National Cancer Institute Introductions to Cancer Research Participant
•2011 Annual Biomedical Research Conference for Minority Students Presentation Awardee in Chemistry
•2011 Annual Biomedical Research Conference for Minority Students Travel Awardee
•2011-2012 ETS Presidential Scholarship for HBCU Students Recipient
•2011-2012 Southern University Student Researcher of the Year
•2010-2011 Southern University Student Researcher of the Year
•2011-2013 Thurgood Marshall Scholarship Recipient
•U.S. Navy and Marine Corps Achievement Medal Recipient (2006,2008)
•Louis Stokes- Louisiana Alliance for Minority Participation (LS-LAMP) Scholar 2010-2013

## Publications

Yu Wang, **Russell J. Ledet**, Keren Imberg-Kazdan, Susan K. Logan, and Michael J. Garabedian. Dynein Axonemal Heavy Chain 8 promotes androgen receptor activity and associates with prostate cancer progression. Oncotarget (2016).

## Meetings and Presentations

•Identification of Direct PIM1 Substrates in Prostate Cancer. Russell J. Ledet, Yu Wang, Jeffrey Schneider, Susan K. Logan, Michael Garabedian. Howard Hughes Medical Institute, HHMI Gilliam Fellows Meeting. September 26-28, 2016.
•Identifying Substrates of PIM1 and HIPK2 in castration-resistant prostate cancer using chemical genetics. Russell J. Ledet, Susan Ha, Susan K. Logan, Michael Garabedian. Yale Bouchet Conference on Diversity and Education. April 10-12, 2015.
•Identifying Substrates of PIM1 and HIPK2 in castration-resistant prostate cancer using chemical genetics. Russell J. Ledet, Susan Ha, Susan K. Logan, Michael Garabedian. Cold Spring Harbor Laboratory, Nuclear Receptor &

Ledet, Susan Ha, Susan K. Logan, Michael Garabedian. Cold Spring Harbor Laboratory, Nuclear Receptor & Disease Meeting. Oct. 28-Nov. 1, 2014.

- •Synthesis and Characterization of Peg-ylated Porphyrins for Targeting Epidermal Growth Factor Receptor(EGFR). Russell Ledet, Krystal Fontenot, M. Graça H. Vicente. American Association for Cancer Research 7th Annual Undergraduate Poster Competition and Forum. March 31, 2012.
- •Synthesis and Characterization of Peg-ylated Porphyrins for Targeting Epidermal Growth Factor Receptor(EGFR). Russell Ledet, Krystal Fontenot, M. Graça H. Vicente. American Association for Cancer Research (AACR). March 31-April 3, 2012.
- •Synthesis and Characterization of Peg-ylated Porphyrins for Targeting Epidermal Growth Factor Receptor(EGFR). Russell Ledet, Krystal Fontenot, M. Graça H. Vicente. Annual Biomedical Research Conference for Minority Students (ABRCMS). November 9-14, 2011.
- •Synthesis and Characterization of Peg-ylated Porphyrins for Targeting Epidermal Growth Factor Receptor(EGFR). Russell Ledet, M. Graca H. Vicente, Krystal Fontenot. Louisiana Biomedical Research Network(LBRN), Summer Undergraduate Research Forum(SURF), July 29, 2011. Baton Rouge, LA.
- •Exploring the Gene Networks Associated with the Putative Chemopreventative Plant Kola Acuminata (Bizzy Nut). Russell Ledet and Wesley Gray. Southern University A&M College, Department of Chemistry. National Society of Toxicology Conference, March 6-10, 2011. Washington, D.C.
- •Isolation and Characterization of Bizzy-Specific Genes. Russell Ledet and Wesley Gray. Southern University A&M College, Department of Chemistry. Louisiana State University Triple Ex Symposium, November 3, 2010. Baton Rouge, LA.
- •Exploring the Gene Networks Associated with the Putative Chemopreventative Plant Kola Acuminata (Bizzy Nut). Russell Ledet and Wesley Gray. Southern University A&M College. Annual Biomedical Research Conference for Minority Students(ABRCMS), November 9-14, 2010. Ashville, North Carolina.
- •The Gene Networks Associated with The Jamaican Bush Tea. Russell Ledet and Wesley Gray. Southern University A&M College, Department of Chemistry. McNair Summer Presentation, July 20, 2010. Baton Rouge, LA.
- •Bizzy-Responsive Gene Identification and Verification. Russell Ledet and Wesley Gray. Southern University A&M College, Department of Chemistry. South Central Regional Society of Toxicology Meeting, October 15, 2010. Starkville, MS.

## References

**Michael J. Garabedian, Ph.D.**
Professor of Microbiology, Urology at New York University School of Medicine
550 First Avenue, MSB 209
212-263-7662
Michael.Garabedian@med.nyu.edu

**Susan K. Logan, Ph.D.**
Associate Professor of Urology at New York University School of Medicine
550 First Avenue, MSB 235
212-263-2921
Susan.Logan@nyumc.org

**M. Graca H. Vicente, Ph.D.**
Charles Boyd Distinguished Professor of Chemistry at Louisiana State University and A&M College
Baton Rouge, LA, 249 Choppin Annex
225-578-7405
vicente@lsu.edu

**Wesley G. Gray, Ph.D.**
Associate Professor of Chemistry at Southern University and A&M College
218 Health Research Center, Baton Rouge, LA 70807
225-938-6124
wesley_gray@subr.edu

**More References Available Upon Request**