

T'shura Ali Ph.D., MPH

CONTACT INFORMATION

485 East Gray St. Louisville, KY 40202
Mobile phone: (502) 650-6048 Email: tshura.ali@louisville.edu

EDUCATION

Postdoctoral Associate, Epidemiology 2020 - 2021

Division of Infectious Disease, School of Medicine
Department of Epidemiology and Population Health, School of Public Health and Information Sciences

University of Louisville, Louisville, KY

Doctor of Philosophy in Public Health Sciences, Epidemiology 2016 - 2020

University of Louisville, Louisville, KY

Dissertation: "Tobacco Smoke Exposure and Fertility-Related Outcomes among Females Seeking Fertility Care, and Interaction with N-Acetyltransferase 2 (NAT2)"

Dissertation Chair: Kira C. Taylor, Ph.D.

Master of Public Health, Epidemiology 2013 - 2015

University of Louisville, Louisville, KY

Practicum: "Global Health Initiative: A Bridge to Overcome the Barriers between Cultural Competency and Refugee Medical Care"

Practicum Advisor: Richard Kerber, Ph.D.

Bachelor of Arts, Biochemistry and Molecular Biology 2007 - 2011

Bellarmino University, Louisville, KY

Research: The anti-cancerous effects of Reishi mushroom on lung cancer proliferation in the female cell line H1793

Advisor: Johann Lau, Ph.D.

T'shura Ali Ph.D., MPH

RESEARCH EXPERIENCE

June 2020 – December 2021 Postdoctoral Fellowship, Epidemiology Division of Infectious Disease
School of Medicine
University of Louisville, Louisville, KY

Center of Excellence in Research for Infectious Diseases (CERID)

- Manage and implement clinical and epidemiological research studies focusing on infectious diseases
- Write grants
- Mentor students and interns in research projects and writing manuscripts
- Reviewer for the Journal of Respiratory Infections

Center for Education and Training in Infection Prevention (CETIP)

- Develop training material for state, regional and local epidemiologists, and nurses in infection control

August 2016 - September 2019 University of Louisville, Louisville, KY
Graduate Research Assistant
Louisville Tobacco Smoke Exposure, Genetic Susceptibility, and Infertility (LOUSSI) study

- Recruit and enroll eligible participants
- Administer questionnaires
- DNA extraction
- Cotinine assay
- DNA genotyping using PCR
- Data collection and entry
- Develop a master dataset with time-varying covariates
- Data cleaning and management
- Data analysis – Multivariable modelling (Survival Analysis and Logistic Regression)

March 2015 - May 2016 University of Louisville, Louisville KY
Division of Infectious Disease - Clinical Research Associate

- Data Collection
- Database (REDCap) Entry
- Quality Control

T'shura Ali Ph.D., MPH

- Follow-up of participants by telephone
- Lab bench work assistant

August 2010 - April 2011

Bellarmine University, Louisville, KY Undergraduate
Research Assistant

- Western blot analysis of cell cycle regulatory proteins from lung cancer cells treated with Ganoderma lucidum
- Cell plating, gel electrophoresis and western blot analysis

TEACHING AND MENTORING ACTIVITIES

May 2020 – Present

Co- Instructor

University of Louisville School of Public Health and
Information Sciences Courses:

Epidemiological Methods (with Dr. Richard Baumgartner –
Summer 2020, with Dr. Kira Taylor and Dr. Natalie Dupre –
Summer 2021)

Epidemiologic Methods and Concepts for Public Health (with
Dr. Kira Taylor – Spring 2021)

Advanced Epidemiological Methods II (with Dr. Kira Taylor
– Fall 2021)

August 2016 – December 2019

Graduate Teaching Assistant

University of Louisville School of Public Health and
Information Sciences

Courses:

- Introduction to Epidemiology (PHEP 501) - Fall 2016
- Foundations of Global Maternal Child and Health (PHEP 615) – Spring 2018
- Statistical Foundations for Epidemiology (PHEP 621) – Fall 2017, Fall 2018, Fall 2019
- Advanced Epidemiological Methods II (PHEP 701) – Fall 2018, Fall 2019

T'shura Ali Ph.D., MPH

- Epidemiologic Methods and Concepts for Public Health (PHEP 441) – Spring 2019
 - Assist faculty members with classroom instruction, exams, and other miscellaneous projects
 - Tutor or mentor students
 - Prepare and deliver lectures
 - Hand out assignments and grade papers
 - Grade assignments
 - Meet with students during office hours
 - Lead in-class/virtual discussions

GUEST LECTURES

“Fertility and Fecundability” – University of Louisville School of Public Health and Information Sciences

- PHEP 615: Foundations of Global MCH (Spring 2018)
- PHEP 624: Methods in Reproductive Perinatal Epidemiology (Fall 2018)
- PHEP 615: Foundations of Global MCH (Spring 2019)
- PHEP 624: Methods in Reproductive Perinatal Epidemiology (Fall 2019)
- PHEP 615: Foundations of Global MCH (Spring 2020)
- PHEP 624: Methods in Reproductive Perinatal Epidemiology (Fall 2020)
- PHEP 615: Foundations of Global MCH (Spring 2021)
- PHEP 624: Methods in Reproductive Perinatal Epidemiology (Fall 2021)

MENTORING

Students for whom I serve(d) as Practicum/Practice Site Mentor at the Division of Infectious Diseases, School of Medicine

a. M.P.H. Program

- Rebekah Lamb
- Elizabeth Hanna
- Mohamed Farah
- Maryam Mohab
- Jane Mitchell
- Srushan Shankara Bhaktula

b. Public Health Undergraduate Program

- S. Dalaney Eden

T'shura Ali Ph.D., MPH

PROFESSIONAL EMPLOYMENT

January 2013 - March 2013

EPIC Super User

- Train and assist physicians, nurses and hospital employees using EPIC electronic medical records system in the Emergency Department and Internal Medicine

June 2011- May 2013

PhysAssist Scribes, Fort Worth, TX
Emergency Department Scribe – Audubon and Norton
Downtown Hospital, Louisville KY

- Provide real-time charting for emergency room physicians
- Record patients' histories and chief complaints
- Transcribe physical exams
- Record diagnostic test results
- Prepare plans for follow-up care

Certified Scribe Trainer- Audubon Hospital, Louisville
KY

- Train potential Emergency Department scribes at the Emergency Department
- Write evaluations on scribe trainees Scribe Ambassador
- Attend job fairs to recruit potential scribe candidates
- Develop the PhysAssist Scribe brand
- Develop key contacts
- Network with potential scribes
- Advertise to student, facilities and pre-health staff

August 2007 - December 2010

Bellarmine University, Louisville, KY – Help Desk

- Set up equipment for events
- Troubleshoot students' devices
- Install and maintain printers, faxes, projectors, phones
- Answer phones, file documents, photocopy, assist students

T'shura Ali Ph.D., MPH

VOLUNTEER EXPERIENCE

- Executive Advisory Committee - The Healing Place, Louisville, KY. 2016 - 2017. Plan, organize and carry out events such as 86 Addiction, the Healthcare Classic 5K, and Hope Classic Golf Scramble to raise money for the non-profit organization
- Community engagement – The Green Heart Project, Louisville, KY. Summer 2019. Interact with community members from the Green Heart study area to create a feedback loop between researchers and the community

SKILLS & TECHNIQUES

R software	Genotyping using PCR
SAS	Gel Electrophoresis
SPSS	Maintaining Cell Cultures
REDCap	Proper Microscope Use
Geographical Information Systems (GIS)	Western Blot Analysis
Open EPI	Pipetting
EPIC (EMR) charting	Polymerase Chain Reaction
Microsoft PowerPoint	General Laboratory Safety Training
Microsoft Excel	Endnote
Microsoft Word	

AWARDS

- Deans Citation Award. University of Louisville School of Public Health and Information Sciences. (Spring 2020)
- Doctoral Dissertation Completion Award. University of Louisville School of Public Health and Information Sciences. (Spring 2020)
- 2nd place for the Louisville Women in Medicine and Science Research Award at Research Louisville! (October 2015)
- 3rd place in the Undergraduate Research Competition (Health Sciences) at Kentucky Academy of Science. (November 2010)
- Bellarmine University Dean's List (4 semesters: Fall 2007- Fall 2010)
- Presidential Achievement Scholarship Award (August 2007-May 2011)
- Multicultural Tuition Scholarship Award (August 2007-May 2011)

MEMBERSHIPS

- SER – Society of Epidemiological Research (current)
- ACE – American College of Epidemiology (current)
- KAS – Kentucky Academy of Science (current)
- SPER – Society for Pediatric & Perinatal Epidemiologic Research
- IRIS – International Respiratory Infections Society

PUBLICATIONS

T'shura Ali Ph.D., MPH

1. Fernandez-Botran, Rafael; Cahill, Meredith; Ambadapoodi, Raghava S.; Exposito Gonzalez, Evelyn; Furmanek, Stephen P.; Carrico, Ruth; Bordon, Jose; Ramirez, Julio A and **the University of Louisville COVID-19 Study Group**. (2021) "Lack of Association of the ABO Blood Group with COVID-19 risk and Severity in Hospitalized Patients in Louisville, KY," *The University of Louisville Journal of Respiratory Infections: Vol. 5 : Iss. 1 , Article 1*. hospitalized patients. *Univ Louisville J Respir Infect* 2021; 5(1): Article
2. Xu, Q., Samanapally, H., Nathala, P., Salunkhe, V., Furmanek, S., Cahill, M. N., McGuffin, T., Mohammad, T., Marsili, B., Petrey, J., Carrico, R., Ramirez, J., Akca, O., Clifford, S. P., Pahwa, S., Roser, L., Kong, M., Huang, J., & **Center of Excellence for Research in Infectious Diseases (CERID) Coronavirus Study Group** on behalf of the COVID-19 Cardiovascular Research Group (COVID-CVRG) (2021). Outcomes and Risk Factors for Cardiovascular Events in Hospitalized COVID-19 Patients. *Journal of cardiothoracic and vascular anesthesia*, 35(12), 3581–3593.
3. **Ali, T'shura S. A.**, "Tobacco smoke exposures and fertility-related outcomes among females seeking fertility care, and the interaction with N-Acetyltransferase 2 (NAT2)." (2020). Electronic Theses and Dissertations. Paper 3389.
4. Carrico, Ruth L.; **Ali, T'shura S.**; Hill, Maria C.; Sanchez, Lucia B. Puga; Bryan, Catherine M.; Balcom, Dawn D.; Furmanek, Stephen P.; Aboelnasr, Amr; Ramirez, Julio A. (2020). "Healthcare Workers Hospitalized with COVID-19: Outcomes from the Burden of COVID-19 study at the University of Louisville Center of Excellence for Research in Infectious Diseases [CERID] ," *The University of Louisville Journal of Respiratory Infections: Vol. 4, Iss. 1, Article 75*.
5. Ramirez, Julio; Bordon, Jose; Cavallazzi, Rodrigo; Furmanek, Stephen; Aboelnasr, Amr; Tella, Mahder; Mattingly, William; Wilde, Ashley; Sangroula, Daisy; Antimisiaris, Demetra; Chung, Donghoon; Cabral, Guillermo; Fernnandez-Botran, Rafael; Huang, Jiapeng; Gnoni, Martin; Akca, Ozan; Schulz, Paul; Bressoud, Phillip; Krishnan, Priya; Suliman, Sally; Krishnasamy, Sathya S.; Hanson, Stephen; McKinney, William P.; Wolf, Leslie; Burns, Mark; Carrico, Ruth; Arnold, Forest; **and the Center of Excellence for Research in Infectious Diseases (CERID) Coronavirus Study Group** (2020). "Characteristics and Outcomes of Adults Hospitalized with SARS- CoV-2 Community-Acquired Pneumonia in Louisville, Kentucky," *The University of Louisville Journal of Respiratory Infections: Vol. 4, Iss. 1, Article 72*.
6. Bordon, J., Slomka, M., Gupta, R., Furmanek, S., Cavallazzi, R., Sethi, S. & **University of Louisville Pneumonia Study Group**. (2020). Hospitalization due to community-acquired pneumonia in patients with chronic obstructive pulmonary disease: incidence, epidemiology and outcomes. *Clinical Microbiology and Infection*, 26 (2), 220-226.
7. Ramirez, J. A., Wiemken, T. L., Peyrani, P., Arnold, F. W., Kelley, R., Mattingly, W. A., & **University of Louisville Pneumonia Study Group**. (2017). Adults hospitalized with pneumonia in the United States: incidence, epidemiology, and mortality. (11), 1806-1812. *Diseases*, 65
8. Zolj, S., Smith, M. P., Goines, J. C., **Ali, T. S.**, Huff, M. O., Robinson, D. L., & Lau, J. M. (2018). Antiproliferative effects of a triterpene-enriched extract from Lingzhi or Reishi medicinal mushroom, *Ganoderma lucidum* (agaricomycetes), on human lung cancer cells. *International journal of medicinal mushrooms*, 20(12).

T'shura Ali Ph.D., MPH

ORAL PRESENTATIONS

1. **Ali T'shura SA** and Lau JM. The anti-cancerous effects of Reishi mushroom on lung cancer proliferation in the female cell line H1793. Association of Southeastern Biologists, Huntsville, AL. April 14-16, 2011.
2. **Ali T'shura SA** and Lau JM. Western blot analysis of cell cycle regulatory proteins from lung cancer cells treated with Ganoderma lucidum., Math, Engineering, and Science Conference (MESCON), Evansville, IN. March 26, 2011.

POSTER PRESENTATIONS

1. Meredith Cahill, Gabrielle Farley, **T'Shura Ali**, Lindsey Wood, Kira Taylor, Henry Bohler, Islamiat Oladipupo. The association between polycystic ovarian syndrome and the probability of conception in women undergoing fertility counseling. Epidemiology and Population Health and Urogynecology. Research Louisville! Louisville, KY. September 2019.
2. **T'shura Ali**, Islamiat Oladipupo, Henry Bohler, Kelly Pagidas, MD, David W. Hein, Sasha Torres, Jasmine Chiang, Yelena Dondik, Adrienne Gentry, Merry Lynn Mann, and Kira Taylor. Childhood Secondhand Tobacco Smoke Exposure and Ovarian Reserve among Females Seeking Fertility Care, and Interaction with N- Acetyltransferase 2(NAT2) Genotype. American College of Epidemiology (ACE). Cincinnati, OH. September 2018.
3. Islamiat Oladipupo, **T'shura Ali**, Henry Bohler, FACOG, Kelly Pagidas, Jasmine Chiang, Yelena Dondik, Adrienne Gentry, Merry Lynn Mann, and Kira Taylor. Prevalence and Validity of Self-Reported Smoking Among Females Seeking Fertility Treatment. American College of Epidemiology (ACE). Cincinnati, OH. September 2018.
4. Islamiat Oladipupo, **T'shura Ali**, Henry Bohler, Kelly Pagidas, David W. Hein, Merry Lynn Mann, Adrienne Gentry, Yelena Dondik, Jasmine Chiang, and Kira C. Taylor. Association between smoking and ovarian reserve among females seeking fertility treatment, and interaction with N-Acetyltransferase 2(NAT2) genotype. Society for Perinatal Epidemiological Research (SPER). Baltimore, MD. June 2018.
5. **Ali, T'shura SA**, J Arnouk, K Lohano, L Binford, B Guinn, A Raghuram, R Nakamatsu, F Fernandez and F Arnold. Clinical outcomes of male vs. female patients hospitalized with community-acquired pneumonia (CAP). Infectious Diseases. Research Louisville! Louisville, KY. October 2015.
6. **Ali T'shura SA**, R Bosson, A Fuentes, KR Contreras, M Khaleefah, LR Hernandez and R Carrico. 2014. Global Health Initiative: Understanding Barriers to Primary Care for Refugees from the Perspective of the Primary Care Provider. Research! Louisville. Louisville, KY. October 2014.
7. Robinson, DL, S Zolj, JC Goines, MP Smith, **TSA Ali**, MO Huff and JM Lau. 2013. Chemopreventative influence of Ganoderma lucidum extracts on male and female lung cancer cells. 99th annual meeting of the Kentucky Academy of Science, Morehead State University, Morehead, KY, November 8-9, 2013.

T'shura Ali Ph.D., MPH

8. Zolj S, Pawley MD, **Ali TSA**, Goines JC, Robinson DL and Lau JM. 2011. Effect of extracts from reishi mushroom (*Ganoderma lucidum*) on lung cancer cell proliferation. Botanical Society of America. St. Louis MO.
9. **Ali T'shura SA**. and Lau JM. 2011. The anti-cancerous effects of Reishi mushroom on lung cancer proliferation in the female cell line H1793. Annual Celebration of Undergraduate Research at Bellarmine University, Louisville, KY. April 12.
10. **Ali T'shura SA**. and Lau JM. 2010. Western blot analysis of cell cycle proteins from lung cancer cells treated with *Ganoderma lucidum*. Kentucky Academy of Science, 96th Annual Meeting, Bowling Green, KY. Nov 13.

T'shura Ali

Signature: _____

Date: January 6th, 2022.