LINA M MOSES

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PROFESSIONAL POSITIONS

2021 – present	Associate Professor, <i>clinical track</i> Tulane University, USA Department of Tropical Medicine & Infectious Diseases, Celia Scott Weatherhead School of Public Health & Tropical Medicine
2019 – present	Adjunct Professor Njala University, Sierra Leone School of Community Health Sciences
2020 - 2023	Work Area Lead WHO Global Outbreak Alert & Response Network, Switzerland WHO GOARN Operational Research Work Area
2020 - 2022	Director of MPH Programs Tulane University, USA Celia Scott Weatherhead School of Public Health & Tropical Medicine
2018 – 2021	Assistant Professor, <i>clinical track</i> Tulane University, USA Department of Global Community Health & Behavioral Sciences, Celia Scott Weatherhead School of Public Health & Tropical Medicine
2015 – 2018	Assistant Professor, <i>research track</i> Tulane University, USA Department of Global Community Health & Behavioral Sciences, Celia Scott Weatherhead School of Public Health & Tropical Medicine
2011 – 2015	Post-Doctoral Fellow Tulane University, USA Ecology and Community-based Research, Tulane Lassa Fever Program Department of Microbiology & Immunology, School of Medicine
2006 – 2010	Pre-Doctoral Fellow Tulane University, USA Louisiana Board of Regents Fellowship in Public Health for Transdisciplinary Research
2004 – 2006	Research Assistant/Volunteer Tulane University, USA Department of Tropical Medicine, Celia Scott Weatherhead School of Public Health & Tropical Medicine, PI: Daniel G. Bausch, MD MPH&TM
2002 – 2004	Research Coordinator New York State Department of Health, USA Division of Genetic Disorders, Wadsworth Center, PI: Haydeh Payami, PhD
1999 – 2001	Research Coordinator Oregon Health & Sciences University, USA Department of Neurology, School of Medicine, PI: Haydeh Payami, PhD
1997 – 1998	Research Coordinator University of Utah, USA Department of Genetic Epidemiology, School of Medicine, PI: Lisa Cannon-Albright, PhD

EDUCATION

2012	PhD in Public Health Tulane University, New Orleans, Louisiana, USA
	Concentration: Tropical Medicine, Community Health, Environmental Health
	Dissertation: "Village-level distribution of Mastomys natalensis and arenavirus in eastern Sierra Leone."
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2005	MSPH in Tropical Medicine Tulane University, New Orleans, Louisiana, USA
2005 2000	MSPH in Tropical Medicine Tulane University, New Orleans, Louisiana, USA BS in Anthropology Utah State University, Logan, Utah, USA

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HONORS and AWARDS

- Excellent Faculty Mentor, Undergraduate Student Government, Tulane University, 2019.
- Alumni Association Student Recognition Award, School of Public Health & Tropical Medicine, Tulane University, 2013.
- Award for Excellence in Research and Presentation by a Public Health Doctoral Student from the Dean of the School of Public Health & Tropical Medicine, Tulane University Health Sciences Research Days, 2010.
- Member, Delta Omega Public Health Honors Society, Eta Chapter, inducted in 2005.

CONSULTANCIES/ADVISORY ROLES

- 1. **Operational Research Mentor** | Regional Hub Research Fellowship Program 2022 2023 International Severe Acute Respiratory and emerging Infection Consortium (ISARIC)
- 2. **Technical Advisor on COVID-19** | Canal Barge Company Inc., New Orleans, USA 2020 2023
- GOARN Senior Consultant | World Health Organization, Geneva, Switzerland 01/2020 12/2020 Global COVID-19 Response, Health Emergencies Programme
 Leadership of COVID-19 GOARN Research Response including support of WHO IMST and Health Operations, GOARN partners and networks, WHO R&D Blueprint, WHO Science Division. Provided
- 4. **Technical Advisor on COVID-19** | National WWII Museum, New Orleans, USA 08/2020

expertise for WHO global- and country-level genomic sequencing and contact tracing guidance.

- 5. **GOARN Senior Consultant** | World Health Organization, Geneva, Switzerland 10/2019 Ebola Virus Disease Response in Democratic Republic of the Congo Operational research to examine GOARN deployment effectiveness in the Ebola Virus Disease Event.
- 6. **Technical Advisor for Breakthrough Research** | Population Council, Tulane University. 2017 2018 Evaluation of USAID Zika Response in Latin America and the Caribbean

Provided expertise on community-based vector control and behavior change evidence to determine which interventions had the greatest potential to prevent Zika and Congenital Zika Syndrome and development of tools for program implementers. Helped develop a data collection tool for a survey of Zika knowledge, attitudes, and prevention practices in USAID intervention areas in four countries.

Training and supervision of case investigation and contact tracing teams for Kenema District; response coordination across operational pillars; logistics support; data management of national outbreak database; liaison between Kenema District Health Management Team, WHO personnel, and other implementing partners. Supervisor: Dr. Sheik Humarr Khan (deceased), Dr. Mohamed Vandi.

PROFESSIONAL MEMBERSHIPS

2005 – present	American Society of Tropical Medicine and Hygiene
2005 – present	Delta Omega Public Health Honors Society, Eta Chapter
2010 – present	International Society for Infectious Diseases
2013 - 2017	International Association for Ecology and Health

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INTERNATIONAL/NATIONAL SERVICE

EDITORIAL BOARDS

2023 – 2024 **Guest Editor** | Animals

Special Issue on One Health Approaches: Tackling Emerging Threats to Animal and Human Health

2020 – 2021 Guest Editor | BMC Medicine

Special Issue on Global Outbreaks and Responses Series to Mark the 20th Anniversary of Global Outbreak Alert and Response Network

AD HOC PEER REVIEWER

Journals: Vector-Borne and Zoonotic Diseases Journal, PLoS Neglected Tropical Diseases, PLoS One, EcoHealth, BMC Infectious Diseases, Pathogens and Global Health, Lancet Infectious Diseases

GRANT REVIEWER

Scientific Review Committee (2021). Collaborative One Health Research Initiative on Epidemics (COHRIE). International Development Research Centre | Centre de recherches pour le développement international. Ottawa, Canada.

STANDING COMMITTEES/ADVISORY BOARDS

20)21	COVID-19 Scientific Advisory Group Global Research Collaboration for Infectious
		Disease Preparedness (GLoPID-R). Committee for COVID-19 research prioritization.
20	020 - 2022	Congressional COVID-19 Task Force Federation of American Scientists
20	019 - 2022	Advisory Board Institute of Development Studies, University of Sussex, United Kingdom
		Pandemic Preparedness: Local and Global Concepts and Practices in Tackling Disease Threats in Africa
20	018 - 2022	Steering Committee WHO Global Outbreak Alert & Response Network, Switzerland
20	018 - 2019	One Health Lead WHO Global Outbreak Alert & Response Network, Switzerland
		One Health Group, WHO GOARN Operational Research Work Area
20	016 – present	Tulane Focal Point WHO Global Outbreak Alert & Response Network, Switzerland
20	015 - 2019	Program Advisor Naya Health/Ebola Survivor Corps, Koinadugu District, Sierra Leone.
20	015 - 2017	Board Member West African Medicine Missions, Freetown, Sierra Leone

CONFERENCE COMMITEES

- **Judge, Innovations Pitch Competition** | America Society of Tropical Medicine and Hygiene 71st Annual Meeting. Seattle, USA. 30 October 3 November 2022.
- Organizing Committee, Day 3 Chair | WHO GOARN Global Online Consultation on Contact Tracing for COVID-19. Geneva, Switzerland, 9-11 June 2020.
- Social Sciences Co-Chair | WHO 2019 novel Coronavirus Global Research and Innovation Forum: Towards a Research Roadmap. Geneva, Switzerland. 11-12 February 2020.
- **Co-Chair, Virus II Scientific Session** | American Society of Tropical Medicine and Hygiene 57th Annual Meeting. New Orleans, USA. 7-11 December 2008.

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INSTITUTIONAL SERVICE

UNIVERSITY COMMITTEES

Tulane University

• Committee on Athletics, Chair (2024 – 2027)

SCHOOL COMMITTEES

Celia Scott Weatherhead School of Public Health & Tropical Medicine

- Search Committee for Assistant Dean of Enrollment, 09/2020 01/2021
- Anti-Racism Scholarship Subcommittee, 08/2020 01/2021
- Joint Appointment Task Force, 2018 2019
- Foundation Curriculum Task Force, 2017 2018

STUDENT ORGANISATIONS

Tulane University, New Orleans, Louisiana, USA

- Faculty Advisor, Emerging Diseases Journal Club, 2024 present
- **Director**, Tulane GOARN-Research Team, 2020 2021
 This group of over 40 Tulane-affiliated volunteers (GOARNies) supported the GOARN-Research
 COVID-19 response. Tulane participants included undergraduate, masters, doctoral students, and alumni.
 Work areas supported WHO Contact Tracing guidance, GOARN partner engagement, and operational
 research tools and protocols. GOARNies presented their work at WHO global webinars and on the
 GOARN COVID-19 Knowledge Hub (https://extranet.who.int/goarn/COVID19Hub). This project also
 supported three master's student practicums, and four undergraduate research projects.
- Faculty Advisor, Infectious Disease Club, 2018 present
- Faculty Advisor, One Health Club, 2016 2018

ACADEMIC ADVISING

School of Public Health & Tropical Medicine, Tulane University, New Orleans, Louisiana, USA

2024: 3 MPH students

2023: 3 MPH students

2022: 1 undergraduate student, 8 MPH students

2021: 6 MPH students

2020: 1 PhD student, 5 MPH students

2019: 1 PhD student, 4 MPH students

2018: 1 PhD student, 1 MPH student

2017: 1 PhD student

2016: 1 PhD student

MPH PRACTICUM SUPERVISION

School of Public Health & Tropical Medicine, Tulane University, New Orleans, Louisiana, USA

2023: 3 students in Sierra Leone, 2 students in New Orleans

2022: 2 students in Sierra Leone

2021: 6 students in New Orleans

2020: 1 student in New Orleans

2019: 1 student in New Orleans

2017: 1 student in New Orleans

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UNDERGRADUATE THESIS COMMITEES

1. Melissa Rosenthal | Tulane University, defense date: November 29, 2021, BSPH awarded Title: "Technical Policies: Are Real-Time Locating Systems (RTLS) a Public Policy Solution to COVID-19 Hospital Infection Prevention and Control?"

Role: Committee Co-Chair

2. Alisa Nelson | Tulane University, defense date: April 29, 2019, BSPH awarded Title: "Rodent-Borne Infections in Urban Areas: Tchoupitoulas Virus in New Orleans" Role: Committee Member

3. Jenna Bates | Tulane University, defense date: April 26, 2019, BSPH awarded Title: "Mental Health and Disability of Ebola Survivors Three Years After the Epidemic" Role: Committee Member

MASTERS THESIS COMMITEES

1. Maureen Kelly | Tulane University, defense date: May 4, 2021, MS awarded
Title: "Knowledge, Attitude, and Practices of Lassa fever transmission and perceived risk increase likelihood of rodent control activities and reduction in homes."

Role: Committee Chair

Employment after Graduation: PhD student at Texas A&M University School of Veterinary Medicine

DOCTORAL DISSERTATION COMMITTEES

- 1. Hannah Eisman, PhD Candidate | Department of Ecology and Evolutionary Biology, Tulane University Role: Committee Member, 2023 present
- 2. Molly Pierson, PhD Candidate | Department of Environmental Health, Tulane University Role: Committee Member, 2023 present
- 3. Christine Harden, PhD Candidate | Department of Ecology, Pennsylvania State University Role: Committee Member, 2022 present
- 4. Mom Tata Mentan | Tulane University, defense date: February 24, 2023, PhD awarded
 Title: "Assessment of exposures to toxic and essential elements in cereal-based diets, biomarkers, and risk
 to human health."

Role: Committee Member

Employment after graduation: National Institutes of Health Post-Doctoral Fellow, Bethesda, USA

5. Andrew Beron | Tulane University, defense date: March 30, 2022, PhD awarded Title: "Assessment of Sociodemographic Factors Associated with COVID-19 Infection, COVID-19 Vaccine Uptake, and COVID-19 Vaccine Hesitancy Among a Large Multi-Center Prospective Cohort Population in the Southwestern United States."

Role: Committee Member

Employment after Graduation: Epidemic Intelligence Service, US Centers for Disease Control and Prevention, Atlanta, USA

6. Amelia Brandt | Tulane University, defense date: October 27, 2020, PhD awarded
Title: "Rumors: Evolution, Influencing Factors, and Response During the 2014-2016 Ebola Virus Disease
(EVD) Pandemic in West Africa"

Role: Committee Chair

Employment after Graduation: Research Fellow at Johns Hopkins University, Baltimore, USA

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7. Jeni Stolow | Tulane University, defense date: February 12, 2020, PhD awarded
Title: "Women's Fertility Decision Making as a Response to the ZIKV Epidemic in Fortaleza, Brazil
Role: Committee Member
Employment after Graduation: Assistant Professor at Temple University College of Public Health

Employment after Graduation: Assistant Professor at Temple University College of Public Health, Department of Social and Behavioral Sciences

MENTORED INTERNATIONAL STUDENT RESEARCH

Sierra Leone, Fall 2023

• Denise Barrera, doctoral student. Mental health needs for Ebola first responders and survivors.

Sierra Leone, Summer 2023

- Aaron Lever, undergraduate student. Ethnobotanical study on plant-derived topical viral disinfectants.
- Heather Penton, masters student. Qualitative study on land-use, rodent contact, and Lassa virus exposure.
- Stacy Pierre, masters student. Qualitative study on access to care for pregnant women at risk of Lassa fever.
- Bryce Moulton, masters student. Survey of tick species in eastern Sierra Leone.
- Jacob Ford, doctoral student. Urbanicity and Lassa fever risk.

Sierra Leone, Summer 2023

• Tamecia Moore, doctoral student. Variation in recovery services in rural and urban Ebola survivors.

Sierra Leone, Summer 2018

• Jenna Bates, undergraduate student. Mental health indices in Ebola survivors in Koinadugu District.

TEACHING

INSTRUCTOR

School of Public Health & Tropical Medicine, Tulane University, New Orleans, Louisiana, USA

- Design Strategies in Public Health (SPHL 6080), 3 cr.—Fall 2021, Fall 2022, Fall 2023
- Introduction to Public Health (SPHU 1010), 3 cr.—Fall 2023
- Cell, Individual, & Community (SPHU 1020), 3 cr.—Spring 2018, Spring 2019, Spring 2020
- Evolution, Microbes, & Disease Emergence (SPHU 2016), 3 cr.—Spring 2020
- Infectious Disease Outbreaks (SPHU 2016), 3 cr.—Fall 2020, Spring/Fall 2021, Spring/Fall 2022, Spring 2023, Spring 2024
- Health and Human Rights (TRMD 6100), 1cr.—Spring 2021
- Tropical Virology (TRMD 6420), 3 cr.—Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2021, Spring/Fall 2022, Fall 2023
- One Health Approaches to Disease (TRMD 7650), 3 cr.—Spring 2018, Spring 2022, Spring 2023, Spring 2024

COURSE DESIGNER

- Infectious Disease Outbreaks (SPHU 2016), 3 cr.
- One Health Approaches to Disease (TRMD 7650), 3 cr.

GUEST LECTURE

Average 5 guest lectures per semester.

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NCBI LINK: https://www.ncbi.nlm.nih.gov/myncbi/1ZMIOR6ZmNxAm/bibliography/public/

PEER REVIEWED RESEARCH PUBLICATIONS

- 1. *Bates JN, *Kamara A, Bereteh MS, *Barrera D, **Moses L**, Sheriff A, Sesay F, Yillah MS, Grant DS, Lamin J, Anglewicz. Long-term physical and mental health outcomes of Ebola virus disease survivors in Kenema District, Sierra Leone: a cross-sectional survey. PLoS Global Public Health, *in press*.
- 2. Kotliar D, Raju S, Tabrizi S, Ikponmwosa O, Goba A, Momoh M, Sandi JD, Nair P, Phelan E, Tariyal R, Eromon P, Mehta Samar, Robles-Sikisaka R, Siddle K, Stremlau M, Jalloh S, Gire S, Winnicki S, Chak B, Schaffner S, Pauthner M, Karlsson E, Chapin S, Grossman S, Branco L, Kanneh L, Vitti J, Broodie N, Gladden-Young A, Omoniwa O, Jian P-P, Yozwiak N, Heuklom S, Moses L, Akpede G, Asogun D, Rubins K, Kales S, Happi A, Iruolagbe C, Dic-Ijiewere M, Iraoyah K, Osazuwa O, Okonkwo A, Kunz S, McCormick J, Khan S, Honko A, Lander E, Oldstone M, Hensley L, Folarin O, Okogbenin, Gunther S, Ollila H, Tewhey R, Okokhere P, Schieffelin, Andersen K, Reilly S, Grant D, Garry R, Barnes K, Happi C. GWAS identifies human genetic variants associated with fatal outcome from Lassa fever. Nature Microbiology. 2024. https://doi.org/10.1038/s41564-023-01589-3
- 3. Hollis SM, Stolow J, *Rosenthal M, Morreale SE, Hinkle L, Deroo L, Fuller J, **Moses LM**. Go.Data as a digital tool for case investigation and contact tracing in the context of COVID-19: a mixed-methods study. BMC Public Health. 2023; 23(1):1717.
- 4. Grant DS, Engel EJ, Roberts Yerkes N, Kanneh L, Koninga J, Gbakie MA, Alhasan F, Kanneh FB, Kanneh IM, Kamara FK, Momoh M, Yillah MS, Foday M, Okoli A, Zeoli A, Weldon C, Bishop CM, Zheng C, Hartnett J, Chao K, Shore K, Melnik LI, Mucci M, Bond NG, Doyle P, Yenni R, Podgorski R, Ficenec SC, Moses L, Shaffer JG, Garry RF, Schieffelin JS. Seroprevalence of anti-Lassa Virus IgG antibodies in three districts of Sierra Leone: A cross-sectional, population-based study. PLoS Negl Trop Dis. 2023 Feb 9;17(2):e0010938. doi: 10.1371/journal.pntd.0010938.
- *Stolow JA, Kendall C, Pinheiro ML, Campos da Rocha Feitosa M, Alves de Almeida Furtado K, Ferreira Martins A, Paz Albino Dos Santos M, Ecilda Lima Ellery A, Dias L, Cristina de Holanda Barreto I, Moses LM, Castro A, Dunn D, Kerr L. Fertility decision-making during the Zika virus epidemic in Brazil: Where is the decision? Sexual & Reproductive Healthcare. 2022; 32: 100722.
- 6. *Patterson NJ, Paz-Soldan VA, Oberhelman R, **Moses L**, Madkour A, Miles TT. Exploring perceived risk for COVID-19 and its role in protective behavior and COVID-19 vaccine hesitancy: a qualitative study after the first wave. BMC Public Health. 2022 Mar 15;22(1):503. doi: 10.1186/s12889-022-12900-y.
- 7. *Stolow J, Kendall C, Pinheiro FML, da Rocha Feitosa MC, de Almeida Furtado KA, Martins AF, Albino dos Santos MP, Ellery AEL, Dias L, de Holanda Barreto IC, **Moses LM**, Castro A, Dunn C, Kerr L. Women's perceptions of Zika virus prevention recommendations in Fortaleza, Brazil. Journal of Prevention and Health Promotion. 2020 December; 1(2):288-314. doi: https://doi.org/10.1177/2632077020970875.
- 8. Redding DW, Atkinson PM, Cunningham AA, Lo Iacono G, **Moses LM**, Wood JLN, Jones KE. <u>Impacts of environmental and socio-economic factors on emergence and epidemic potential of Ebola in Africa.</u> Nat Commun. 2019 Oct 15;10(1):4531. doi: 10.1038/s41467-019-12499-6. PubMed PMID: 31615986; PubMed Central PMCID: PMC6794280.
- Reynolds MG, Wauquier N, Li Y, Satheshkumar PS, Kanneh LD, Monroe B, Maikere J, Saffa G, Gonzalez JP, Fair J, Carroll DS, Jambai A, Dafae F, Khan SH, Moses LM. <u>Human Monkeypox in Sierra Leone after 44-Year Absence of Reported Cases</u>. Emerg Infect Dis. 2019 May;25(5):1023-1025. doi: 10.3201/eid2505.180832. Epub 2019 May 17. PubMed PMID: 30753125; PubMed Central PMCID: PMC6478203.

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- Leach M, Bett B, Said M, Bukachi S, Sang R, Anderson N, Machila N, Kuleszo J, Schaten K, Dzingirai V, Mangwanya L, Ntiamoa-Baidu Y, Lawson E, Amponsah-Mensah K, Moses LM, Wilkinson A, Grant DS, Koninga J. Local disease-ecosystem-livelihood dynamics: reflections from comparative case studies in Africa. Philos Trans R Soc Lond B Biol Sci. 2017 Jul 19;372(1725). doi: 10.1098/rstb.2016.0163. PubMed PMID: 28584171; PubMed Central PMCID: PMC5468688.
- 11. Senga M, Koi A, **Moses L**, Wauquier N, Barboza P, Fernandez-Garcia MD, Engedashet E, Kuti-George F, Mitiku AD, Vandi M, Kargbo D, Formenty P, Hugonnet S, Bertherat E, Lane C. <u>Contact tracing performance during the Ebola virus disease outbreak in Kenema district, Sierra Leone.</u> Philos Trans R Soc Lond B Biol Sci. 2017 May 26;372(1721). doi: 10.1098/rstb.2016.0300. PubMed PMID: 28396471; PubMed Central PMCID: PMC5394638.
- Lo Iacono G, Cunningham AA, Fichet-Calvet E, Garry RF, Grant DS, Leach M, Moses LM, Nichols G, Schieffelin JS, Shaffer JG, Webb CT, Wood JL. <u>A Unified Framework for the Infection Dynamics of Zoonotic Spillover and Spread.</u> PLoS Negl Trop Dis. 2016 Sep;10(9):e0004957. doi: 10.1371/journal.pntd.0004957. eCollection 2016 Sep. PubMed PMID: 27588425; PubMed Central PMCID: PMC5010258.
- 13. Redding DW, **Moses LM**, Cunningham AA, Wood J, Jones KE. Environmental-mechanistic modeling of the impact of global change on human zoonotic disease emergence: A case study of Lassa fever. Methods in ecology and evolution. 2016 June; 7:645-655. doi: 10.1111/2041-210X.12549.
- Schieffelin J, Moses LM, Shaffer J, Goba A, Grant DS. <u>Clinical validation trial of a diagnostic for Ebola Zaire antigen detection: Design rationale and challenges to implementation.</u> Clin Trials. 2016 Feb;13(1):66-72. doi: 10.1177/1740774515621013. Epub 2016 Jan 14. PubMed PMID: 26768566; PubMed Central PMCID: PMC4767681.
- 15. 1000 Genomes Project Consortium, Auton A, Brooks LD, Durbin RM, Garrison EP, Kang HM, Korbel JO, Marchini JL, McCarthy S, McVean GA, Abecasis GR. <u>A global reference for human genetic variation</u>. Nature. 2015 Oct 1;526(7571):68-74. doi: 10.1038/nature15393. PubMed PMID: 26432245; PubMed Central PMCID: PMC4750478.
- 16. Andersen KG, Shapiro BJ, Matranga CB, Sealfon R, Lin AE, Moses LM, Folarin OA, Goba A, Odia I, Ehiane PE, Momoh M, England EM, Winnicki S, Branco LM, Gire SK, Phelan E, Tariyal R, Tewhey R, Omoniwa O, Fullah M, Fonnie R, Fonnie M, Kanneh L, Jalloh S, Gbakie M, Saffa S, Karbo K, Gladden AD, Qu J, Stremlau M, Nekoui M, Finucane HK, Tabrizi S, Vitti JJ, Birren B, Fitzgerald M, McCowan C, Ireland A, Berlin AM, Bochicchio J, Tazon-Vega B, Lennon NJ, Ryan EM, Bjornson Z, Milner DA Jr, Lukens AK, Broodie N, Rowland M, Heinrich M, Akdag M, Schieffelin JS, Levy D, Akpan H, Bausch DG, Rubins K, McCormick JB, Lander ES, Günther S, Hensley L, Okogbenin S, Schaffner SF, Okokhere PO, Khan SH, Grant DS, Akpede GO, Asogun DA, Gnirke A, Levin JZ, Happi CT, Garry RF, Sabeti PC. Clinical Sequencing Uncovers Origins and Evolution of Lassa Virus. Cell.2015 Aug 13;162(4):738-50. doi: 10.1016/j.cell.2015.07.020. PubMed PMID: 26276630; PubMed Central PMCID: PMC4537774.
- 17. Park DJ, Dudas G, Wohl S, Goba A, Whitmer SL, Andersen KG, Sealfon RS, Ladner JT, Kugelman JR, Matranga CB, Winnicki SM, Qu J, Gire SK, Gladden-Young A, Jalloh S, Nosamiefan D, Yozwiak NL, Moses LM, Jiang PP, Lin AE, Schaffner SF, Bird B, Towner J, Mamoh M, Gbakie M, Kanneh L, Kargbo D, Massally JL, Kamara FK, Konuwa E, Sellu J, Jalloh AA, Mustapha I, Foday M, Yillah M, Erickson BR, Sealy T, Blau D, Paddock C, Brault A, Amman B, Basile J, Bearden S, Belser J, Bergeron E, Campbell S, Chakrabarti A, Dodd K, Flint M, Gibbons A, Goodman C, Klena J, McMullan L, Morgan L, Russell B, Salzer J, Sanchez A, Wang D, Jungreis I, Tomkins-Tinch C, Kislyuk A, Lin MF, Chapman S, MacInnis B, Matthews A, Bochicchio J, Hensley LE, Kuhn JH, Nusbaum C, Schieffelin JS, Birren BW, Forget M, Nichol ST, Palacios GF, Ndiaye D, Happi C, Gevao SM, Vandi MA, Kargbo B, Holmes EC, Bedford T, Gnirke A, Ströher U, Rambaut A, Garry RF, Sabeti PC. Ebola Virus Epidemiology, Transmission, and Evolution during Seven Months in Sierra Leone. Cell. 2015 Jun 18;161(7):1516-26. doi: 10.1016/j.cell.2015.06.007. PubMed PMID: 26091036; PubMed Central PMCID: PMC4503805.

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- 18. Wauquier N, Bangura J, Moses L, Humarr Khan S, Coomber M, Lungay V, Gbakie M, Sesay MS, Gassama IA, Massally JL, Gbakima A, Squire J, Lamin M, Kanneh L, Yillah M, Kargbo K, Roberts W, Vandi M, Kargbo D, Vincent T, Jambai A, Guttieri M, Fair J, Souris M, Gonzalez JP. <u>Understanding the emergence of ebola virus disease in sierra leone: stalking the virus in the threatening wake of emergence</u>. PLoS Curr. 2015 Apr 20;7. doi: 10.1371/currents.outbreaks.9a6530ab7bb9096b34143230ab01cdef. PubMed PMID: 25969797; PubMed Central PMCID: PMC4423925.
- 19. Leski TA, Stockelman MG, **Moses LM**, Park M, Stenger DA, Ansumana R, Bausch DG, Lin B. <u>Sequence variability and geographic distribution of Lassa virus, Sierra Leone.</u> Emerg Infect Dis. 2015 Apr;21(4):609-18. doi: 10.3201/eid2104.141469. PubMed PMID: 25811712; PubMed Central PMCID: PMC4378485.
- Lo Iacono G, Cunningham AA, Fichet-Calvet E, Garry RF, Grant DS, Khan SH, Leach M, Moses LM, Schieffelin JS, Shaffer JG, Webb CT, Wood JL. <u>Using modelling to disentangle the relative contributions of zoonotic and anthroponotic transmission: the case of lassa fever.</u> PLoS Negl Trop Dis. 2015 Jan;9(1):e3398. doi: 10.1371/journal.pntd.0003398. eCollection 2015 Jan. PubMed PMID: 25569707; PubMed Central PMCID: PMC4288732.
- 21. Schieffelin JS, Shaffer JG, Goba A, Gbakie M, Gire SK, Colubri A, Sealfon RS, Kanneh L, Moigboi A, Momoh M, Fullah M, Moses LM, Brown BL, Andersen KG, Winnicki S, Schaffner SF, Park DJ, Yozwiak NL, Jiang PP, Kargbo D, Jalloh S, Fonnie M, Sinnah V, French I, Kovoma A, Kamara FK, Tucker V, Konuwa E, Sellu J, Mustapha I, Foday M, Yillah M, Kanneh F, Saffa S, Massally JL, Boisen ML, Branco LM, Vandi MA, Grant DS, Happi C, Gevao SM, Fletcher TE, Fowler RA, Bausch DG, Sabeti PC, Khan SH, Garry RF. Clinical illness and outcomes in patients with Ebola in Sierra Leone. N Engl J Med. 2014 Nov 27;371(22):2092-100. doi: 10.1056/NEJMoa1411680. Epub 2014 Oct 29. PubMed PMID: 25353969; PubMed Central PMCID: PMC4318555.
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INVESTIGATOR-INITIATED PRESENTATIONS Oral Presentations

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- 5. Cross RW, Waffa BJ, Freeman AN, Riegel C, West CA, **Moses LM**, Voss TG, Bausch DG. Old World hantaviruses in New Orleans, Louisiana: from surveillance to virology of local isolates. American Society of Microbiologists 9th Annual Biodefense Meeting. February 7, 2011, Washington DC.
- 6. **Moses LM**, Kargbo K, Koninga J, Robert W, Lungay VK, Fonnie R, Kanneh LD, Bangura JJ, Rogers DS, Garry RF, Bausch DG. Household predictors of abundance of the Lassa virus reservoir, Mastomys natalensis, in the Eastern Province of Sierra Leone. 58th Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 21, 2009, Washington, DC.
- Bangura J, Fair J, Goba A, Khan SH, Fonnie R, Garry RF, Moses L, Nylander F, Daboi J, Nkopo L, Lugala PC, Koivogui L, Coulibaly M, Lamunu M, Roth C, Bausch DG. Epidemiology of Lassa fever in the Mano River Union countries of West Africa, 2004-2008. 58th Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 21, 2009, Washington, DC.
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Poster Presentations

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- 17. Zaitsev EM, Andersen KG, Gire S, **Moses L**, Garry R, Happi C, Sabeti P. Challenges and breakthroughs in the development of sequencing technology for clinical isolates of Lassa fever virus. 60th Annual Meeting of the American Society of Tropical Medicine and Hygiene. December 7, 2011, Philadelphia, PA.
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- 19. Payami H, Kay D, Stevens C, Montimurro J, Hamza T, Zabetian C, Factor S, Higgins D, **Moses L**, Zareparsi S. Resolving mode-of-inheritance and association of PRKN with PD in a comprehensive sequence and copy-number-variation (CNV) analysis of 3800 subjects. WFN XVII World Congress on Parkinson's Disease and Related Disorders, 13-16 December, 2009, Miami Beach, FL. Parkinsonism Related Disorders 2009, 15:S106-7.
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POLICY AND TECHNICAL REPORTS

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- COVID-19 Research Recommendations and Considerations for GLoPID-R, 2021-2023. GLoPID-R; 2021. https://www.glopid-r.org/covid-19-research-recommendations-considerations-for-glopid-r-2021-2023/.
 Role: Scientific Advisory Group member, key author.
- 3. World Health Organization. 2 June 2021. "Key principles for engaging communities in contact tracing" [Film]. Role: technical guidance development, script writing, editorial input on visuals. https://youtu.be/TY2nXyEfgBQ.
- 4. Operational guide for engaging communities in contact tracing. WHO Series on COVID-19: Surveillance, case investigation and epidemiological protocols, May 2021. World Health Organization. WHO Reference Number: WHO-2019-nCoV-Contact_tracing-Community_engagement-2021.1-eng. https://www.who.int/publications/i/item/WHO-2019-nCoV-Contact_tracing-Community_engagement-2021.1-eng. Role: major contributor.
- 5. Contact tracing in the context of COVID-19: Interim guidance 1 February 2021. Geneva: World Health Organization; 2021. License CC BY-NC-SA 3.0 IGO. WHO reference number WHO/2019-nCoV/Contact_Tracing/2021.1. https://www.who.int/publications/i/item/contact-tracing-in-the-context-of-covid-19. Role: Contributor to community engagement section.
- Online Global Consultation on Contact Tracing for COVID-19, 9-11 June 2020. Geneva: World Health Organization; 2021. License: CC BY-NC-SA 3.0 IGO. ISBN 978-92-4-001422-0 (electronic version), ISBN

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- 9. COVID-19 Global Risk Communication and Community Engagement Strategy- Interim guidance December 2020 May 2021. Community Readiness and Resilience, Epidemic and Pandemic Preparedness and Prevention Team. World Health Organization; 2020. WHO reference number: WHO/2019-nCoV/2020.3. Role: Contributor
- 10. A Coordinated Global Research Roadmap: 2019 Novel Coronavirus. WHO R&D Blueprint, March 12, 2020. https://www.who.int/publications/m/item/a-coordinated-global-research-roadmap. Role: co-lead the social sciences working group to identify key research priorities, pp. 60-66.
- 11. Contact tracing in the context of COVID-19. WHO Technical Guidance, May 10, 2020. WHO Reference Number: WHO/2019-nCoV/Contact_Tracing/2020.1. https://apps.who.int/iris/handle/10665/332049. Role: provided editorial overview, contributed content.

GRANTS and CONTRACTS

ACTIVE GRANTS/CONTRACTS

Cross-scale dynamics of LASV spillover within human-driven ecosystems (Award #2208034) Role: Co-Principal Investigator FTE 2022-2023: 15%; FTE 2024-2027: 35%

PI: Sagan Friant (Penn State) Total award: \$2,627,212

Project period: 15AUG2022-31JUL2027 Sponsored by the NSF EEID Program

Tulane Program to Advance Representation in Minority Health Research (ARMHR) (5T37MD001424)

Role: Co-Principal Investigator FTE 2019-2023: 20%; FTE 2024-2026: 0% PI: Richard Oberhelman (Tulane) Total award: \$275,305 (Direct: \$255,282)

Project period: 08JUL2005-31JAN2026 Funder: NIH/NCMHD

COMPLETED GRANTS/CONTRACTS

The Impact of Ebola Infection on Demographic and Social Outcomes in Sierra Leone (1R21HD098504)

Role: Co-Principal Investigator FTE: 15%

PI: Philip Anglewicz (Johns Hopkins) Total award: \$264,378 (Direct: \$196,897)

Project period: 16SEP2019-21AUG2022 Funder: NIH/NICHHD

Course development for interdisciplinary Tropical Medicine field course in Sierra Leone. (Intramural)

Role: Principal Investigator FTE: 0%

PI: Lina Moses (Tulane) Total award: \$5,000

Project period: JUN2019-JUN2020 Funder: Carol Lavin Bernick Grant

Preventing the Next Storm: Building Research and Epidemic Response Capability at Njala University, Sierra

Leone (1D71TW010429)

Role: Co-Principal Investigator FTE: 5%

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PI: Daniel Bausch (Tulane) Total award: \$50,000 (Direct: \$46,296)

Project period: 22SEP2016-31DEC2017 Funder: NIH/FIC

Dynamic Drivers of Diseases in Africa Consortium (DDDAC) (NE/J001570)

Role: Country Coordinator (subcontract) FTE: 20%

PI: Melissa Leach (Sussex) Total award: £3,242,315 (\$5,409.154USD)

Project period: 1FEB2012-30APR2016 Funder: NERC/ESRC/DfID ESPA Programme

INVITED LECTURES/SEMINARS (*—student or mentee)

1. "Developing equitable research partnerships: Lessons from Sierra Leone." Oschner Clinical Grand Rounds, Oschner Clinical School, 23 January 2023. New Orleans.

- 2. "Global Outbreak Alert and Response Network—Operational Research." Emerging Issues Workshop. STAR IDAZ International Consortium on Animal Health, 24 March 2022. Virtual.
- 3. "Global Outbreak Alert and Response Network—2021 Update." Pan-African Network for Rapid Research, Response, and Preparedness for Infectious Diseases Epidemics (PANDORA) Seminar Series, 7 July 2021. Virtual.
- 4. "One Health Approaches to Combatting Emerging Infectious Diseases." Einstein-Montefiore One Health Panel, 6 May 2021. New York and virtual.
- Moses L, Stolow J. "Risk Communication and Community Engagement for COVID-19 Contact Tracing." GOARN Risk Communication-Community Engagement Collective Service, 2 March 2021. Geneva, Switzerland and virtual.
- 6. "Global Outbreak Alert and Response Network". Defining a Roadmap for Outbreak Analytics, London School of Hygiene and Tropical Medicine, 17 December 2020. London, United Kingdom and virtual.
- 7. "Contact Tracing for COVID19: Leveraging the One Health Workforce for Pandemic Response." Research Bites Webinar Series, International Conference on Diseases in Nature Communicable to Humans (INKY 2020), 23 September 2020. Virtual.
- 8. *Habrun C, *Hill S, *Ortega E, *Teigen J, **Moses L**. "Comparison of COVID-19 contact tracing guidance across WHO member states and regions." Online Global Consultation on Contact Tracing for COVID-19, 9-11 June 2020. Geneva, Switzerland and virtual.
- 9. "WHO Strategic Response Plan for COVID-19." Understanding and Responding to the Novel Coronavirus Workshop, Tulane School of Public Health and Tropical Medicine, 14 February 2020. New Orleans and virtual.
- 10. "How Should Public Health Research Priorities be Defined and What Should They Be?", (plenary speaker). European Scientific Conference on Applied Infectious Disease Epidemiology (ESCAIDE 2019), 29 November 2019, Stockholm, Sweden.
- 11. "Career Compass." Panelist. European Scientific Conference for Applied Infectious Disease Epidemiology (ESCAIDE 2019). November 28, 2019, Stockholm, Sweden.
- 12. "Confronting Ebola: Reflections from Experts from Discovery to Today." Panelist. Session 35, November 21, 2019. Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 20-24, 2019. National Harbor, Maryland.
- 13. "One Health of Lassa Fever: Thinking in Systems Not Silos." One Health Workshop, Pennsylvania State University, 12 September 2019. State College, Pennsylvania.

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- 14. "Don't Eat Rats: Public Health Messages and Unintended Consequences." 2019 Diversity in Global Health Symposium, Kent State University, 26 April 2019. Kent, Ohio.
- 15. "Connecting the Dots Between Research and Response in Public Health Emergencies." Pennsylvania State University, 22 April 2019. State College, Pennsylvania.
- 16. "One Little Dot—Labour and Resources for Epidemiological Data Collection." Health Emergency Analytics Workshop, 22 March 2019. London, United Kingdom.
- 17. "Responding to Lassa Fever Threats in Post-Ebola West Africa." London School of Hygiene and Tropical Medicine, 11 February 2019. London, United Kingdom.
- 18. "Rodent-Borne Disease: A Global Perspective." Urban Rodent and Wildlife Academy, New Orleans Mosquito, Termite, and Rodent Control Board, 12 September 2018. New Orleans, Louisiana.
- 19. "Rodents as a Food Source." Urban Rodent and Wildlife Academy, New Orleans Mosquito, Termite, and Rodent Control Board, 7 September 2018. New Orleans, Louisiana.
- 20. "Sierra Leone's Ebola Crisis: Are We Ready for the Next Epidemic?" Bureau for Africa, Office of Sustainable Development, USAID, 27 March 2017. Washington DC.
- 21. "Anatomy of an Ebola Response." Louisiana State University Epidemiology Seminar Series, 15 March 2017. New Orleans, Louisiana.
- 22. "No Regrets Epidemic Response: Making People Matter." Havens Center for Social Justice, University of Wisconsin, 28 April 2016. Madison, Wisconsin.
- 23. "Research Amid an Outbreak: The Kenema Experience." Society for Clinical Trials 36th Annual Meeting, Session 21: West African Ebola Outbreak: Challenge to the Traditional Clinical Trials Paradigm, May 19, 2015, Arlington.
- 24. "Ebola Epidemic in 2015: The Sierra Leone Experience." United Nations Association, Utah Chapter, 28 May 2015. Salt Lake City, Utah.
- 25. "Ebola Virus Hits West Africa: Challenges, New Approaches and the Path Ahead." Session Co-chair and Panelist, Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 4, 2014, New Orleans.
- 26. "Ebola Outreak, 2014. Updates from Kenema, Sierra Leone." Biostatistics Research Branch, National Institute of Allergy and Infectious Diseases, 30 September 2014. Bethesda, Maryland.
- 27. "Lassa Fever Prevention in West Africa: How to Build a Cheaper Mouse Trap." City of New Orleans Mosquito, Termite, and Rodent Control Board Seminar Series, 15 January 2014. New Orleans, Louisiana.
- 28. "Lassa Fever: A Conservation Medicine Perspective." Virginia Commonwealth University, 2 October 2012. Richmond, Virginia.

MEDIA

INVITED COMMENTARY

- 1. TEDx MidAtlantic. "How to Continue: Contact Tracing and Privacy." Panelist. April 21, 2020. https://tedxmidatlantic.com.
- 2. Science and Film Series, Shotgun Cinemas. "Outbreak Investigations: Commentary on Elia Kazan's Panic in the Streets." Commentary after film screening. New Orleans, Louisiana, USA. March 27, 2019.
- 3. Nautilus. "Natural Selection in an Outbreak. Nautilus Think Like a Scientist Series." October 27, 2016. http://nautil.us/issue/41/selection/natural-selection-in-an-outbreak.

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- 4. New York Times. "Don't Ignore Established Research Ethics When Treating Ebola. Room for Debate." New York Times. December 1, 2014. https://www.nytimes.com/roomfordebate/2014/12/01/experimental-drugs-and-the-ethics-of-fighting-ebola/dont-ignore-established-research-ethics-when-treating-ebola.
- 5. The Guardian. "Lassa fever: why there are more public health questions than answers. February 21, 2013. https://www.theguardian.com/global-development-professionals-network/2013/feb/21/lassa-fever-sierra-leone.

MEDIA INTERVIEWS

- 1. Peet, L. Battling the Infodemic: Library Journal's 2021 Librarians of the Year. (2021, January 05). Librarian Journal. https://www.libraryjournal.com/?subpage=Librarian%20of%20the%20Year.
- 2. WWL Staff. Some Saints fans will return to Superdome Sunday to test COVID procedures. (2020, September 24). WWL. https://www.wwltv.com/article/sports/nfl/saints/some-saints-fans-will-return-to-superdome-sunday-to-test-covid-procedures/289-6deae898-6703-4825-8dc7-a89a29e93ae4.
- 3. Brown, D. (2020, June 18). COVID-19 Series. Third Place on WHYR Baton Rouge. https://www.mixcloud.com/3dP/3dp2020episode157/.
- 4. Matsuzawa, S. Boise medical librarian joins 130 others around the world to research COVID-19. (2020, June 16). KTVB7. https://www.ktvb.com/article/news/local/medical-librarians-reserve-corp-covid-19-coronavirus-research-publications-articles/277-9640940f-a800-40f6-90c1-78c757c04763.
- 5. Brown, D. (2020, May 14). COVID-19 Series. Third Place on WHYR Baton Rouge. https://www.mixcloud.com/3dP/3dp2020episode152/.
- 6. Dar, M. (2020, May 11). Librarian volunteers help WHO make sense of COVID information. Library Journal. https://www.libraryjournal.com/?detailStory=librarian-volunteers-help-who-make-sense-of-covid-information.
- 7. Cunningham, J. (2020, May 8). Should businesses have to keep lists of customers to trace the coronavirus? WWL. https://www.wwltv.com/article/news/health/coronavirus/should-businesses-have-to-keep-lists-of-customers-to-trace-the-coronavirus/289-9557f034-8327-4c98-a4f0-7725a59deced.
- 8. Roston, D. (2020, March 20). Dr. Lina Moses: Global COVID-19 Response. NOLA Matters: Public Health Radio Hour, WHIV. https://soundcloud.com/nolamatterspublichealth/dr-lina-moses-global-covid-19-response.
- 9. McDaniel, M (2020, March 20). It's important to stay socially connected, even if you can't be physically close. WWL. https://www.wwltv.com/article/news/health/coronavirus/its-important-to-stay-socially-connected-even-if-you-cant-be-physically-close/289-90b0db52-6020-4913-8fce-23ce498c5a50.
- 10. Clark, M. (2020, March 11). Louisiana Coronavirus Update: CDC will help New Orleans trace spread as cases increase. Lafayette Daily Advertiser. https://www.theadvertiser.com/story/news/2020/03/11/coronavirus-louisiana-patient-tulane-medical-presumptive-positive/5020293002/.
- 11. Simerman, J. (2020, March 10). Coronavirus threat mounts with two more Lousiana cases; hospitals, schools, churches scramble. NOLA.com. https://www.nola.com/news/article-fd5f21c2-6324-11ea-8568-a7b03922c0ec.html.
- 12. Farris, M. (2020, January 28). Flu more concerning than coronavirus, local experts say. WWL. https://www.wwltv.com/article/news/local/flu-more-concerning-than-coronavirus-local-experts-say/289-68569e05-81c1-4f60-93cf-b7050e8767c9.
- 13. Preston, R. (2019). Crisis in the Red Zone. Penguin Random House.

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- 14. Belluz, J. (2019, March 10). Why Lassa, an Ebola-like fever, has exploded in Nigeria. vox.com. https://www.vox.com/science-and-health/2018/3/9/17092624/lassa-fever-virus-outbreak-symptoms-nigeria.
- 15. Yong, E. (2018, February 28). Why is Nigeria Experiencing a Record-High Outbreak of Lassa fever. theatlantic.com. https://www.theatlantic.com/health/archive/2018/02/nigeria-lassa-fever-outbreak-emerging-diseases/554528/.
- 16. Wilhelm, M. (2018, February 23). No one's quite sure why Lassa fever is on the rise. NPR Goats and Soda. https://www.npr.org/sections/goatsandsoda/2018/02/23/587719626/no-ones-quite-sure-why-lassa-fever-is-on-the-rise-in-nigeria.
- 17. Rosten, D. (2017, April 28). Lassa fever. NOLA Matters: Public Health Radio Hour, WHIV. https://soundcloud.com/nolamatterspublichealth/lina-moses-lassa-fever.
- 18. Verock, F. (Producer), Lui, D. (Director). (August 3, 2016). Spillover—Zika, Ebola and Beyond [Documentary]. United States: Tangled Bank Studios. http://www.pbs.org/spillover-zika-ebola-beyond/home/.
- 19. Jagatia, A. (July 21, 2016). On the Horizon: The spread of Lassa fever. Microbe Post (microbepost.org). https://microbepost.org/2016/07/21/on-the-horizon-the-spread-of-lassa-fever/.
- 20. Chavez, K. (April 20, 2016). Ebola Survivor Corps. A Public Affair. https://www.wortfm.org/100841-2/.
- 21. Check Hayden, E. (June 30, 2015). Sierra Leone: Ebola survivors may be the key to treatment—for almost any disease. Wired (wired.com). https://www.wired.com/2015/06/ebola-treatment/.
- 22. O'Brien, M. (Reporter), Hellerman, C. (Producer). (June 4, 2015). To crack Ebola's code, scientists search for elusive animal host. PBS Newshour. http://www.pbs.org/newshour/bb/crack-ebolas-code-scientists-search-elusive-animal-host/.
- 23. Check Hayden, E. (Dec. 23, 2014). On the front lines of Ebola's most pressing mystery. Wire (wired.com) https://www.wired.com/2014/12/sierra-leone-scientists-research-why-some-survive-ebola/.
- 24. Fie Maron, D (Nov. 11, 2014). Ebola strikes a blow against pregnant women and maternal care. Scientific American. https://www.scientificamerican.com/article/ebola-strikes-a-blow-against-pregnant-women-and-maternal-care/.
- 25. Bagnetto, LA (November 9, 2014). Lassa fever expert Dr Lina Moses discusses testing for quick-response Ebola tests. Radio France Internationale. https://soundcloud.com/radiofranceinternationale/lassa-fever-expert-dr-lina-moses-discusses-testing-for-quick-response-ebola-tests.
- 26. Belluz, J. (October 9, 2014). No one knows exactly how bad West Africa's Ebola epidemic is. Vox (vox.com). https://www.vox.com/2014/10/6/6889037/reporting-ebola-epidemic-virus-outbreak.

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