# CHRISTINA D. LUPONE, MPH, BS

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### **EDUCATION**

PhD in Curriculum, Instruction, and the Science of Learning (January 2021 – Present) University at Buffalo, Department of Learning and Instruction

Master's in Public Health, 2013 SUNY Upstate Medical University, College of Medicine Master's in Public Health, 2013 Syracuse University, Maxwell School of Citizenship and Public Affairs

### Global Health Certificate of Advanced Study, 2017

University at Albany, School of Public Health

### Bachelor's of Science, 2008

Syracuse University, College of Arts and Sciences Minor: Italian Language, Literature, and Culture Syracuse University in Florence, Italy

### **Continuing Education**

SUNY Collaborative Online International Learning Professional Workshop Study Abroad Goes Virtual – November 2020

Consortium of Universities for Global Health Health, Safety, and Security: Rules of the Road for International Programs and Initiatives Workshop February 2017

### **PROFESSIONAL EXPERIENCE**

### SUNY Upstate Medical University (SUNY UMU), Syracuse, NY

Director, Global Health and Translational Science Concentration

September 2020 – Present

### Upstate Master's in Public Health Program

- Provide leadership, administration, and student recruitment for the new MPH concentration.
- Lead Instructor<sup>1</sup>: MPHP 624 Introduction to Global Health (Summer 2021)
- Co-Instructor<sup>2</sup>: MPHP 625 Research and Development for Global Health (Fall 2021)
- Lead Instructor: MPHP 626 Pre-Departure for Global Health Experience (Fall 2021)
- Faculty sponsor for Global Health Applied Practice Experiences in Ecuador, Kenya, and Thailand (Summer 2022)

<sup>&</sup>lt;sup>1</sup> As the lead instructor, I developed the syllabus, course content, and provide course delivery and grading to students. <sup>2</sup> As Co-Instructor, I assisted in the development of the syllabus and course content.

# Instructor, Department of Public Health and Preventive Medicine

- Lead instructor: PRVM642, 6427, 6428 Global Health Electives in Ecuador (Medical-Spanish Immersion and Research Experiences) (Summer 2016, 2017, 2018, 2019)
- Lead instructor: PRVM6430 Global Health Elective in Kenya (Research and Clinical Experiences) (Summer 2019)
- Lead instructor: MPHP 652 Infectious Disease Epidemiology (Spring 2016, 2017, 2019)
- Lead instructor: MPHP 603 Principles of Environmental Health (Spring 2017, 2018, 2019, 2020)
- Co-Instructor: MPHP 629 Refugee Health in our Community (Spring 2018, Fall 2018, Spring 2019, Fall 2019)
- Facilitator: MPTP101: Patients 2 Populations (Fall & Spring 2016 Present)

# Director, Center for Education and Training (CET)

# Upstate Institute for Global Health and Translational Science

- Provide leadership and oversight of the operations to the Institute for Global Health and Translational Science to include activities related to strategic planning; student recruitment and marketing; and educational program administration and evaluation.
- Major Responsibilities Include:
  - Project management, oversight, coordination and evaluation of global health-related projects, research, educational programs and courses
  - $\circ$   $\;$  Policy development in support of new and existing global health programs
  - Support global health lecture and curriculum planning, course development, and curriculum evaluation in consultation with related departments and colleges
  - Interface with local and international partners to create education and training exchanges

# Research Events Planned through the CET as Lead Organizer

SUNY Upstate Medical University & The Trudeau Institute Biannual Summit Series Impact of Climate on Emerging and Re-emerging Vector-borne Diseases Planned for October 2020 (Cancelled due to COVID-19) | The Trudeau Institute, Saranac Lake, New York

**Ethical and Regulatory Issues Involved in the Clinical Development of Substance Abuse Countermeasures** October 2019 | Central New York Biotech Accelerator, SUNY Upstate Medical University

SUNY Upstate Medical University & The Trudeau Institute Biannual Summit Series Biomedical Countermeasures Development for Emerging Vector-Borne Viral Diseases October 2018 | The Trudeau Institute, Saranac Lake, New York

**Global Health Day: Human Rights and Global Health: A Rights-Based Approach in a Globalizing World** Sponsored jointly by the Institute for Global Health and the Students for Global Health Club October 2018 | New Academic Building, SUNY Upstate Medical University

### June 2015 - Present

### SUNY Global Health Institute Virtual Grand Rounds

Monthly SUNY GHI virtual grand rounds with distinguished speakers, broadcast synchronously to 4 different SUNY schools (Albany, Upstate, Downstate, Stonybrook, Optometry) for collaboration. 2016-2018

### **One Health: Connected to the Environment**

Sponsored jointly by the Center for Global Health and SUNY ESF November 2017 | Gateway Building, SUNY Environmental Science and Forestry (ESF)

### Storming, Swarming, and Superbugs: A Global Health Forum on Microbial Resistance

Sponsored by SUNY Upstate Medical University Center for Global Health and Translational Science April 2014 | Weiskotten Hall, SUNY Upstate Medical University

### **Research Administrator**

### Center for Global Health and Translational Science, SUNY UMU

- Provide project management of all Center activities: clinical trials and overseas
- Manage laboratory operations for the Ecuador field site; laboratory data, samples and assays
- Manage expenses and contracts
- Assist in grant writing and proposal submission for Center scientist and clinicians
- Coordinate IRB submissions and reports
- Manages clinical trial training records for Center
- Manage and develop global health education and training opportunities sponsored by the Center for Upstate Students and Faculty
- Plan and coordinate Global Health seminars and annual forums

### **Clinical Trial Laboratory Assistant**

• Aide in processing of laboratory samples for clinical trial

# **Research Support Specialist**

Department of Microbiology and Immunology – Princiotta Laboratory (SUNY UMU) Department of Neuroscience and Physiology – Olson Laboratory

- Oversee daily laboratory processes, supervising and training undergraduate and graduate students
- Management of ordering, inventory, and supply acquisition
- Organize and maintain mouse supply and breeding schedules to coordinate experiments
- Molecular techniques for DNA isolation and purification, PCR, transformation, and sequencing data
- Trained and certified for shipment of hazardous material
- Participate in weekly Journal Club meetings and present newly published scientific papers

### **Research Assistant**

**Research Aide** 

### Department of Public Health and Preventive Medicine

- Conducted preliminary data analysis on the Anniston, Alabama Community Health Survey using SPSS under the guidance of Dr. Paula Rosenbaum, faculty advisor
- Became familiar with using SPSS syntax
- Performed data cleaning, variable recodes, and summarized descriptive findings in graph and tabular form

### January 2014 – June 2015

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February 2013 – June 2013

# August 2011 – January 2014

May 2012 – September 2012

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### **Department of Public Health and Preventive Medicine**

- Epidemiology project focused on Tobacco Prevention within the CNY MPH program
- Conducted interviews on smoking cessation habits as part of Team Upstate Medical University
- Informed current smokers on prevention and cessation tools, recorded data for epidemiologic evaluation

# Cornell University, Ithaca, NY

### **Technician III**

# Microbiology and Immunology Department – Scidmore Laboratory

- Plan, coordinate growth and maintenance of a variety of human and animal cells in tissue culture
- Harvest proteins from recombinant bacteria or cells for the purpose of protein purification, metabolic radiolabelling of tissue culture cells, immunoprecipitation, protein gels, and western blotting
- Prepare, fix, and stain samples for immunofluorescence, laser scanning confocal microscopy and epifluorescence
- Genetic manipulations of E. coli for expression of proteins, subcloning of genes and sequencing genetic inserts
- Detailed record keeping of studies conducted and compiled data for presentation of research results using Microsoft Office, MacVector, ImageJ and Adobe software
- General lab management including supervision and training of undergraduate students, lab supplies inventory and ordering

## NovaSterilis, Inc., Lansing, NY

## Laboratory Technician

- Assist Principle Investigator in grant writing and research
- Oversee daily laboratory processes and inventory, supply acquisition
- Train new lab members and interns in laboratory standards and protocols
- HAZMAT and IATA Certified for customer support and laboratory management
- Keep detailed records of experimental data and write research reports
- Give research support in the field of supercritical carbon dioxide and the tissue banking industry
- Key team member in development and follow up research regarding allograft cleaning process prior to terminal sterilization
- Generate, edit and execute Standard Operating Procedures

### **PUBLICATIONS**

- Sous, W., Lupone, C. D., Harris, M. A., Mohamed, A., Mohamed, L., Lakomski, M. J., Seward, S., & Shaw, A. V. (2021). Integrated Care Management to Improve Diabetes Outcomes in Refugee and Immigrant Patients (I-Care). *Health equity*, 5(1), 781–788. https://doi.org/10.1089/heq.2020.0143
- Sippy, R., Farrell, D. F., Lichtenstein, D. A., Nightingale, R., Harris, M. A., Toth, J., Hantztidiamantis, P., Usher, N., Cueva Aponte, C., Barzallo Aguilar, J., Puthumana, A., **Lupone, C. D.**, Endy, T., Ryan, S. J., & Stewart Ibarra, A. M. (2020). Severity Index for Suspected Arbovirus (SISA): Machine learning for accurate prediction of hospitalization in subjects suspected of arboviral infection. *PLoS neglected tropical diseases*, *14*(2), e0007969. <u>https://doi.org/10.1371/journal.pntd.0007969</u>
- 3. Vitale, M., **Lupone, C. D**., Kenneson-Adams, A., Ochoa, R. J., Ordoñez, T., Beltran-Ayala, E., Endy, T. P., Rosenbaum, P. F., & Stewart-Ibarra, A. M. (2020). A comparison of passive surveillance and active

### January 2010 – August 2011

# Sept 2008 – January 2010

cluster-based surveillance for dengue fever in southern coastal Ecuador. *BMC public health, 20*(1), 1065. https://doi.org/10.1186/s12889-020-09168-5

- 4. Lupone, C. D., Daniels, D., Lammert, D., Borsuk, R., Hobart, T., Lane, S., & Shaw, A. (2019). Lead exposure in newly resettled pediatric refugees in syracuse, NY. *Journal of Immigrant and Minority Health*, doi:10.1007/s10903-019-00880-y [doi]
- 5. Stewart-Ibarra, A. M., Ryan, S. J., Kenneson, A., King, C. A., Abbott, M., Barbachano-Guerrero, A., Beltrán-Ayala, E., Borbor-Cordova, M. J., Cárdenas, W. B., Cueva, C., Finkelstein, J. L., Lupone, C. D., Jarman, R. G., Maljkovic Berry, I., Mehta, S., Polhemus, M., Silva, M., & Endy, T. P. (2018). The Burden of Dengue Fever and Chikungunya in Southern Coastal Ecuador: Epidemiology, Clinical Presentation, and Phylogenetics from the First Two Years of a Prospective Study. *The American journal of tropical medicine and hygiene*, *98*(5), 1444–1459. https://doi.org/10.4269/ajtmh.17-0762
- Farrell, D. F., Lupone, C. D., Kenneson, A., Cueva, C., Heydari, N., Barzallo Aguilera, J. H., Polhemus, M., Endy, T. P., & Stewart-Ibarra, A. M. (2018). Case Report: An Acute Chikungunya Infection and a Recent Secondary Dengue Infection in a Peripartum Case in Ecuador. *The American journal of tropical medicine and hygiene*, *98*(3), 838–840. <u>https://doi.org/10.4269/ajtmh.17-0781</u>
- Cronkright, P., & Lupone, C. D. (2018). Emotional Distress, Medical Utilization, and Disability Claims in Adult Refugees. *Journal of immigrant and minority health*, 20(2), 339–344. <u>https://doi.org/10.1007/s10903-017-0621-5</u>
- Justino, J., Lupone, C.D., Sedler, M., Rinnert, S., Bloem, C.M., Mu, L., DeHovitz, J. and Morse, G.D., 2017. State University of New York (SUNY) Global Health Institute (GHI) Virtual Grand Rounds Forum Fosters Collaboration and Innovation across the SUNY Network. *Annals of Global Health*, 83(1), pp.46– 47. DOI: <u>http://doi.org/10.1016/j.aogh.2017.03.101</u>
- Ryan, S. J., Stewart-Ibarra, A. M., Ordóñez-Enireb, E., Chu, W., Finkelstein, J. L., King, C. A., Escobar, L. E., Lupone, C., Heras, F., Tauzer, E., Waggoner, E., James, T. G., Cárdenas, W. B., & Polhemus, M. (2018). Spatiotemporal Variation in Environmental Vibrio cholerae in an Estuary in Southern Coastal Ecuador. *International journal of environmental research and public health*, *15*(3), 486. https://doi.org/10.3390/ijerph15030486
- Mita-Mendoza, N. K., McMahon, E., Kenneson, A., Barbachano-Guerrero, A., Beltran-Ayala, E., Cueva, C., King, C. A., Lupone, C. D., Castro-Sesquen, Y. E., Gilman, R. H., Endy, T. P., & Stewart-Ibarra, A. M. (2018). Chagas Disease in Southern Coastal Ecuador: Coinfections with Arboviruses and a Comparison of Serological Assays for Chagas Disease Diagnosis. *The American journal of tropical medicine and hygiene*, *99*(6), 1530–1533. https://doi.org/10.4269/ajtmh.18-0441

### PUBLICATIONS UNDER REVIEW

- 1. Geneva, I, **Lupone CD**, Wegman AD, Paolino K. Fever and Hypothermia do not Affect the All-Cause 30-Days Hospital Readmission Rate. Submitted to JAMA.
- 2. Searles, M, Takyiwaa Y, Carlo, L, Heydari N, Borbor-Cordova MJ, and **Lupone CD**. Zika virus knowledge and vaccine acceptance among undergraduate students in Guayaquil, Ecuador. Submitted to Vaccine.

- 3. Shaw J, Anderson KB, Fabi R, Thompson C, Harris M, Aljabbarin N, Bolourchi D, Mozo N, Lichtenstein D, Lupone CD, Larsen DA, Shaw AV<sup>-</sup> Covid-19 vaccination intention and behavior in a large, diverse refugee population in the US. Submitted to Vaccine.
- 4. Harris M, **Lupone CD**, Asiago-Reddy E, Anderson K, Castricone F, Turbide S, and Shaw AV. Community-Clinical Partnerships: Engaging health navigators to support Syracuse refugees and immigrants amidst the COVID-19 pandemic. Submitted to the Health and Social Science Communications.

# ABSTRACTS AND CONFERENCE PRESENTATIONS (\*Presenter)

## **Invited Oral Presentations**

- Collaborating for Student Success 2019: Advising, Applied Learning and Student Success Summit October 28 - 30, 2019 Desmond Hotel, Albany, NY. Lupone CD\*, Lane SD, Shaw AN. Interprofessional Education and Engaged Learning in a Refugee Health Course.
- New York State Cooperative & Experiential Education Association (NYSCEEA) 2019 Conference: Experiential Education: Looking Through a New Lens, September 20th, 2019 SUNY Oswego Metro Center, Syracuse, NY. Lupone CD\*, Lane SD, Shaw AN. Interprofessional, Community-Based, Experiential Learning with Refugee Families Supports Community Health Advocacy.

## **Poster Presentations**

- Lupone CD\*, Castricone F, Mouity L, Andrews L, Russell-Leed SH, Hyde C Lane SD Shaw AN. Interprofessional, Community Based Experiential Learning with Refugee Families Supports Community Health Advocacy. Conortium of Unviersities for Global Health. Washington DC. March 2020 (CANCELLED).
- 2. Lupone CD\*, Daniels D, Lammert D, Hobart T, Butler M, Lane SD, Shaw AN. Lead Exposure Amidst the Resettlement Process for Refugee Children in Syracuse. Consortium of Universities for Global Health Conference. Chicago, IL. March 2019.
- Mita-Mendoza, N. K., McMahon, E., Kenneson, A., Barbachano-Guerrero, A., Beltran-Ayala, E., Cueva, C., King, C. A., Lupone, C. D., Castro-Sesquen, Y. E., Gilman, R. H., Endy, T. P., & Stewart-Ibarra, A. M. Chagas Disease Serology and Co-Infections with Arboviruses in Southern Coastal Ecuador. New Orleans, LA. November 2018.
- 4. **Lupone CD\***, Cronkright P. Emotional Distress Screening Tool as a Predictor for Medical Utilization and Disability: A Retrospective Analysis of Refugees Resettling in Syracuse, NY. Consortium of Universities for Global Health Conference. Washington DC. April 2017.
- Justino J, Lupone CD, Sedler M, Rinnert S, Bloem CM, Mu L, DeHovitz J, Morse, GD. State University of New York (SUNY) Global Health Institute (GHI) Virtual Grand Rounds Forum Fosters Collaboration and Innovation across the SUNY Network. Consortium of Universities for Global Health. Washington DC. April 2017.

- 6. McMahon E, et al. The Prevalence of Chagas Disease and Co-Infections with Dengue from a Dengue Surveillance Study in Machala, Ecuador. American Society for Tropical Medicine and Hygiene. Baltimore, MD. November 2017.
- Kenneson A, Stewart Ibarra, Beltrán-Ayala E, Cárdenas WB, Cueva CK, Lupone CD, Abbot M, Polhemus M, Endy TP. The Epidemiology of Dengue and the Emergence of Chikungunya in Machala, Ecuador, 2014-2015. American Society of Tropical Medicine and Hygiene Conference. Atlanta, GA, November 2016.
- Lupone, C. D\*.; Seward, S., Abbott, J., "Building a Global Campus Program at a Traditional Medical School" Counsel on International Educational Exchange conference, Los Angeles, California, November 2016.
- 9. Cronkright P., Remillard T., Assam L., Lupone C., Truong T., Li N. The Refugee Health Screener: Broadening the lens of Primary Care. Annual North American Refugee Health Conference, June 2016.
- 10. Custer A., Iles K., Ventre S., **Lupone C.**, Jessamy K, Cronkright P. Examination Of Functional Health Literacy In Adult Refugees Within 90 Days Of Resettlement. Annual North American Refugee Health Conference, June 2016.
- Ryan, S.J., Stewart Ibarra, A.M., Ordonez, E., Chu, W., Finkelstein, J.L., King, C.A., Escobar, L.E., Lupone, C., Heras, F., Waggoner, E., Tauzer, E., Enriquez, K., James, T., Cardenas, W., Polhemus, M. 2016. "Spatial and seasonal dynamics of Vibrio spp. in an estuary in southern coastal Ecuador" Special Session 2562: Spatial and eco-epidemiological modeling (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group). Annual Meeting of the American Association of Geographers, March 29-April 2<sup>nd</sup>, 2016, San Francisco, CA.
- 12. Christina D Lupone\*, Shannon L Atkins, Mark Abbott, Natalia D Aldrich, Gina Bertolo, Holly C Chanatry, Timothy P Endy, Kimberly A Kasprowicz, Laura Kindred, Qiaosheng Lu, Anna M Stewart, Lisa A Ware, Mark E Polhemus. Center for Global Health and Translational Science at SUNY Upstate Medical University. SUNY Academic Industry Roundtable, January 2016.
- 13. Anna M. Stewart Ibarra, Mark E. Polhemus, Efraín Beltrán-Ayala, Arturo Barbachano-Guerro, Mercy J. Borbor-Cordova, Washington B. Cárdenas, Cinthya K. Cueva, Julia L. Finkelstein, Christine A. King, Renato León, Christina D. Lupone, Saurabh Mehta, Sadie J. Ryan, Mercy Silva, Timothy P. Endy. Infectious Disease Research Platform in Machala, Ecuador. SUNY Academic Industry Roundtable, January 2016.
- Anna M. Stewart Ibarra, Christine A. King, Arturo Barbachano-Guerro, Efraín Beltrán-Ayala, Mercy J. Borbor- Cordova, Washington B. Cárdenas, Cinthya K. Cueva, Renato León, Julia L. Finkelstein, Christina D. Lupone, Saurabh Mehta, Sadie J. Ryan, Mercy Silva, Timothy P. Endy. High burden of dengue fever in Southern Coastal Ecuador: Epidemiology from a prospective study in Machala 2014. The American Society of Tropical Medicine and Hygiene, November 2015.
- 15. Christina A. King, Anna M. Stewart-Ibarra, Arturo Barbachano-Guerrero, Cynthia Katiuska Cueva, Mercy Silva, **Christina Lupone**, Washington Cardenas, Diego Angamarca Armas, Mercy Borbor, Sadie J Ryan, Timothy Endy. Dengue virus in Machala, Ecuador. The American Society of Tropical Medicine and Hygiene, November 2014.

- 16. **CD Lupone**\*, AE Silverstone, RE Izquierdo, N Dutton, M Pavuk, PF Rosenbaum, for the Anniston Environmental Health Research Consortium. Persistent organochlorines pollutants and thyroid disease in Anniston, Alabama. Society for Epidemiologic Research Conference, June 2014.
- 17. **CD Campagna\***; DA Cibula; PF Rosenbaum for the Anniston Environmental Health Research Consortium. Serum Polychlorinated Biphenyl (PCB) Levels and their Association with Environmental Perceptions in Anniston, Alabama. Society for Epidemiologic Research Conference, June 2013.
- 18. CD Campagna\*; DA Cibula; PF Rosenbaum for the Anniston Environmental Health Research Consortium. Serum Polychlorinated Biphenyl (PCB) Levels and their Association with Environmental Perceptions in Anniston, Alabama. SUNY Upstate Medical University Student Research Celebration, April 2013.

### **GRANTS AWARDED**

2021-2022	<ul> <li>Title: The J. Christopher Stevens Virtual Exchange Initiative Program to strengthen engagement between young people in the Middle East and North Africa and the United States: Bridging Cultures to Defeat COVID-19 Virtual Education Exchange</li> <li>Awarding Agency: Department of State, Aspen Institute, Stevens Initiative (Sub-Award to Upstate)</li> <li>Award Amount: \$149,999</li> <li>Principal Investigator: Dr. Seth Perry – Medicine – UMU</li> </ul>
	<b>Co- Principal Investigator</b> : Christina Lupone, MPH <b>Description</b> : Global health virtual exchange conference for health-science trainees in the US,
	UAE, and Libya
2018-2019	Title: Refugee Health in Our Community
	Awarding Agency: SUNY- Performance Improvement Fund Award Amount: \$240,000
	Principal Investigator: Dr. Andrea Shaw, Pediatrics - UMU
	Co-Principal Investigator: Christina Lupone, MPH
	<b>Description:</b> IPE innovation and teaching with faculty, students and community partners
2018 – 2019	Title: Applied Learning: SUNY in Kenya
	Awarding Agency: SUNY- Performance Improvement Fund Award Amount: \$40,000
	Principal Investigator: Andrea Shaw, Pediatrics - UMU
	Co-Principal Investigator: Christina Lupone, MPH
	<b>Description:</b> IPE innovation and teaching with bi-directional learning with Kenya staff and SUNY faculty
2016 – 2017	Title: Climate and Health in Ecuador Collaborative Study Abroad Program Awarding Agency: SUNY Chancellors Grant for Innovative Study Abroad Award Amount: \$3000 Principal Investigator: Anna Stewart – Medicine, UMU
	Co-Principal Investigator: Christina Lupone, MPH

**Description:** Innovative climate and health programming for SUNY and Ecuadorian students

# ACTIVITIES

### **Intramural Committees at SUNY UMU**

Admissions Committee- Upstate Public Health Program 2020- Present

### **Professional Societies & Institutes Membership**

Member of SUNY Global Health Institute, 2014 – Present Member of Consortium of Universities for Global Health, 2014 – Present Member of American Society for Tropical Medicine and Hygiene, 2014 - Present Member of Society for Epidemiologic Research, 2013-2015

### **Undergraduate and Graduate Student Activities**

Public Health Initiative Member, 2011 - 2013 Public Health Club at SUNY Upstate Medical University, 2011-2013 Student Admissions Representative for CNYMPH Program, 2011 - 2013

- Aided Admissions committee to create new interview questions for CNYMPH applicants and organized new student admission interview days
- Served as liaison between CNYMPH faculty and potential CNYMPH students during the admissions process
- Provided portent CNYMPH applicants campus tours on interview days

Syracuse University Women's Rowing Team, varsity coxswain 2004-2008; team captain 2007-2008

### AWARDS

International Educator of the Year Award, 2015 Central New York International Citizens Award Dinner, The International Center of Syracuse