

#### **Global Health Studies Information Session**

November 2, 2022

ADMISSIONS

**ACADEMICS** 

**CENTERS & RESEARCH** 

**CAREERS** 

ABOUT

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#### Why Global Health?

Global health is a powerful driver of global affairs today. Disease outbreaks can restructure world economies, transform trade and travel, drive foreign policy, alter consumer behavior, and challenge every aspect of individual lives and social activities. The multifaceted nature of global health requires interdisciplinary analysis – engaging with economics, history, and politics, as well as with anthropology, law, and sociology, in addition to epidemiology, public health, and medical sciences.

**READ MORE** 

#### **Global Health Studies**

The Global Health Studies Program is designed for undergraduate Yale students interested in understanding and addressing pressing global health challenges.

https://jackson.yale.edu/study/global-health-studies/

RE	LAT	ED	LIN	KS

How to Apply

**Contact Us** 

? FAQs





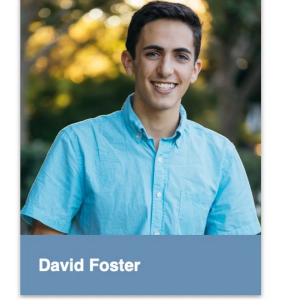


















**Kelly Long** 



Rebecca Li





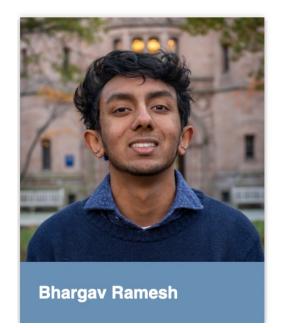




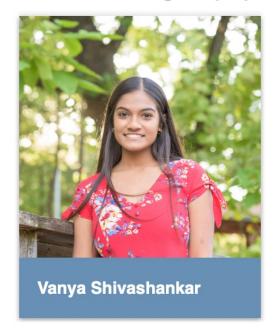






















#### Global Health Studies Program Requirements

#### 2 required courses and 4 elective courses

#### Required courses:

- 1. Global Health: Challenges and Responses (HLTH 230)
- 2. Senior Research Colloquium (HLTH 490)

#### 4 Electives: Global Health Competencies

- Biological & Environmental Influences on Health
- Health & Societies
- Historical Approaches
- Performance, Representation & Health
- Political Economy & Governance in Health
- Understanding & Interpreting Quantitative Data

Optional Summer Research / Internship Experience & funding through Global Health Summer Awards

#### Global Health Electives

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Course Title	Course Number	Competency 1	Competency 2	Instructors	Distributional Requirements	Course description from courses.yale.edu/
Air Pollution Control	ENVE 373, CENG 373	Biological & Environmental Influences on Health	Understanding & Interpreting Quantitative Data	Drew Gentner	QR, SC	An overview of air quality problems worldwide with a focus on emissions, chemistry, transport, and other processes that govern dynamic behavior in the atmosphere. Quantitative assessment of the determining factors of air pollution (e.g., transportation and other combustion-related sources, chemical transformations), climate change, photochemical "smog," pollutant measurement techniques, and air quality management strategies.  Prerequisite: ENVE 120
Biology of Malaria, Lyme, and Other Vector-Borne Diseases	HLTH 155, MCDB 106, E&EB 106	Biological & Environmental Influences on Health	Understanding & Interpreting Quantitative Data	Alexia Belperron	sc	Introduction to the biology of pathogen transmission from one organism to another by insects; special focus on malaria, dengue, and Lyme disease. Biology of the pathogens including modes of transmission, establishment of infection, and immune responses; the challenges associated with vector control, prevention, development of vaccines, and treatments.  Intended for non–science majors; preference to freshmen and sophomores. Prerequisite: high school biology.
Biology of the Immune System	MCDB 430, IBIO 530, MBIO 530, MCDB 530	Biological & Environmental Influences on Health		Aaron Ring et al.	sc	The development of the immune system. Cellular and molecular mechanisms of immune recognition. Effector responses against pathogens. Immunologic memory and vaccines. Human diseases including allergy, autoimmunity, immunodeficiency, and HIV/AIDS. After MCDB 300.
Biology, the World, and Us	MB&B 105, MCDB 105	Biological & Environmental Influences on Health	Health & Societies	John Carlson. Josh Gendron, Ronit Kaufman, Jennifer Marlon	sc	Biological concepts taught in context of current societal issues, such as emerging diseases, genetically modified organisms, green energy, and the human brain and its disorders. Emphasis on biological literacy to enable students to evaluate scientific arguments.
Climate Change	EPS 101	Biological & Environmental Influences on Health		Mary-Louise Timmermans, Noah Planavsky	sc	An introductory course that explores the science of global climate change. We analyze processes that regulate the climate on Earth, assess the scientific evidence for global warming, and discuss consequences of climate change. We explore Earth's climate history as it relates to the present climate as well as future climate projections. Uncertainty in the interpretation of climate observations and future projections are examined.
Environmental Justice in South	ANTH 322, SAST 306, EVST 324	Biological & Environmental Influences on Health	Political Economy & Governance in Health	Kalyanakrishnan Sivaramakrishnan	so	Study of South Asia's nation building and economic development in the aftermath of war and decolonization in the 20th century. How it generated unprecedented stress on natural environments; increased social disparity; and exposure of the poor and minorities to environmental risks and loss of homes, livelihoods, and cultural resources. Discussion of the rise of environmental justice movements and policies in the region as the world comes to grips with living in the Anthropocene.
Epigenetics	MCDB 350, MCDB 650	Biological & Environmental Influences on Health		Nadya Dimitrova, Yannick Jacob, Josien van Wolfswinkel	sc	Study of epigenetic states and the various mechanisms of epigenetic regulation, including histone modification, DNA methylation, nuclear organization, and regulation by non-coding RNAs. Detailed critique of papers from primary literature and discussion of novel technologies, with specific attention to the impact of epigenetics on human health.  Introductory courses (BIOL 101-104) and two MCDB 200-level courses (strongly recommended: MCDB 202 and MCDB 200 or MCDB 210) or instructor permission.
Evolution and Medicine	HLTH 250, E&EB 335, E&EB 635	Biological & Environmental Influences on Health		Brandon Ogbunu	SC, WR	Introduction to the ways in which evolutionary science informs medical research and clinical practice. Diseases of civilization and their relation to humans' evolutionary past; the evolution of human defense mechanisms; antibiotic resistance and virulence in pathogens; cancer as an evolutionary process. Students view course lectures on line; class time focuses on discussion of lecture topics and research papers.  Prerequisite: BIOL 101–104.
Hormones, Evolution, and Human Behavior	ANTH 217	Biological & Environmental Influences on Health		Richard Bribiescas	so	This course examines the evolution of human behavior through the lens of endocrinology and life history theory. Topics include the evolution of social behavior, pair bonding, parental investment, aggression, sex, feeding behavior, and risk tolerance. This course also addresses these topics with a mindful eye towards variation throughout the human life course from birth to death. Specific attention is made towards examining behavioral endocrinology within the context of human diversity in all its forms, social, biological, and ecological as well as in comparison with other species including non-human primates.  ANTH 116, ANTH 242, or a similar course is recommended before enrolling in this course.

## Core Teaching Faculty



Prof. Catherine Panter-Brick



Dr. Cara Fallon



Prof. Rob Hecht

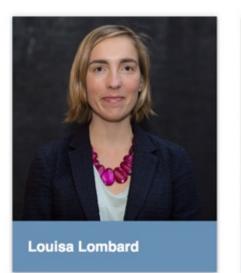


Prof. Brandon Ogbunu



Prof. Marney White

## Affiliated Faculty



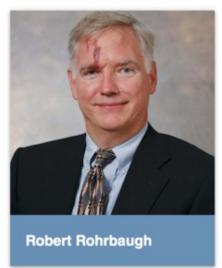








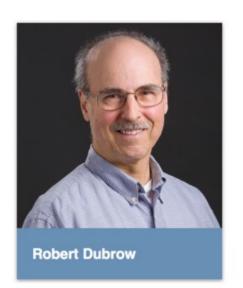






Our faculty connect us with Yale Schools of Medicine, Nursing, Public Health, Law, Arts & Sciences, the Jackson School of Global Affairs, and the New Haven community

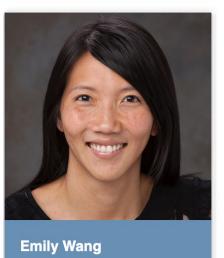
## Affiliated Faculty



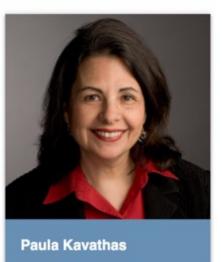














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## Global Health Scholars in Action!



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## Global Health Scholars on Zoom



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## **Application Process**

For sophomores currently enrolled:

October 26: Applications open online

November 2: Information session (today!)

November 18: Applications due at 4pm

Before Winter Break: Decisions Communicated

## **Application Contents**

Background information

Resume and transcript

Contact information for one reference

3 Essay Short Questions

- Question 1 (250 words): "What motivates you to become a Global Health Scholar?"
- Question 2 (500 words): Based on Jeffrey Koplan et al.'s definition of global health (provided), describe a global health-related issue or challenge that is interesting to you, and explain how pursuing interdisciplinary study and collaboration in the Yale Global Health Scholars program would help you better understand and/or address this issue.
- Question 3 (250 words): Many social scientists have been critical of global health, but insist that "a critical approach (...) is less about new problems (or solutions) than about new problematizations" (Fassin, 2012). What are some of the problem areas you might see in 'framing' current research and practice in global health?

https://jackson.yale.edu/study/global-health-studies/how-to-apply/

## Learn More about our Program!

Talk to Global Health Scholars....



Global Health Scholars – Yale Jackson School of G...

jackson.yale.edu

Learn about the program, courses, & more



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2023 Global Health Scholars Application

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# Questions?