HARVARD – BRAZIL
COLLABORATIVE PUBLIC HEALTH
FIELD COURSE

January 6th to 24th, 2014
São Paulo, Brazil

Host Institutions

Harvard School of Public Health (HSPH)
Faculdade de Medicina da Universidade de São Paulo (FMUSP)
David Rockefeller Center for Latin American Studies (DRCLAS)

Collaborating Institution

Faculdade de Ciências Médicas Santa Casa de Misericórdia de São Paulo (FCMSCSP)

Supporting Institutions

CAPES (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior)
Harvard Global Health Institute (HGHI)
Fundação Faculdade de Medicina (FFM)
Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP)

brazil.drclas.harvard.edu/pages/january-2014-hsph-collaborative-course
COURSE OVERVIEW & OBJECTIVES

Sejam bem-vindos! This collaborative course is offered by the Harvard School of Public Health (HSPH), the University of São Paulo Medical School (FMUSP), and the Brazil Studies Program at Harvard University's David Rockefeller Center for Latin American Studies (DRCLAS). A Scientific Organizing Committee is responsible for the planning, review, and assessment of the course and is comprised of five faculty members from HSPH, FMUSP, and Faculty of Medical Sciences of Santa Casa de São Paulo (FCMSCSP).

Bringing together exceptional individuals is core to the success of this course – a fact that is reflected in the primary focus on people in the pages of this packet. A rich set of required and optional readings selected by the course’s faculty as well as all course lectures are available for download on the course website (brazil.drclas.harvard.edu/pages/january-2014-hsph-collaborative-course). Through this initiative, we seek to strengthen existing collaborations and to foster new ones that create opportunities for joint learning and research during and after the course.

The overall objectives for this course are to enhance participants’ abilities to:

- Critically analyze environmental and socioeconomic factors in Brazil that are associated with a high prevalence and geographic distribution of infectious diseases discussed in this course.
- Identify population characteristics, such as nutrition status, immunity, co-morbidities, degree of exposure associated with disease epidemiology and the impact of these factors on disease morbidity and mortality.
- Identify and describe selected infectious diseases that are prevalent in Brazil.
- Foster lasting academic collaborations and joint research projects between HSPH and Brazilian participants, strengthening personal networks throughout Brazil and internationally.

We are delighted to have such a distinguished group of students and faculty participating in this field course and we are tremendously grateful to the many individuals and institutions that have made this collaborative course possible.

Grande abraço,

Marcia C. Castro
Associate Professor of Demography, Department of Global Health and Population, HSPH

Aluídio A. Cotrim Segurado
Full Professor in the Department of Infectious and Parasitic Diseases, FMUSP
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HOST AND COLLABORATING INSTITUTIONS

Harvard School of Public Health
The Harvard School of Public Health (HSPH) traces its roots to public health activism at the beginning of the last century, and began as the Harvard-MIT School of Health Officers, founded in 1913 as the first professional training program of public health in America. In 1922, the School split off from MIT, helped by a sizeable grant from the Rockefeller Foundation. In 1946, HSPH became an independent degree-granting body. The overarching mission of HSPH is to advance the public’s health through learning, discovery, and communication. To pursue this mission, the School produces knowledge through research, reproduces knowledge through higher education, and translates knowledge into evidence that can be communicated to the public, policy makers, and practitioners to advance the health of populations. From advancing scientific discovery to educating national and international leaders, HSPH has been at the forefront of efforts to benefit the health of populations worldwide. Shaping new ideas and communicating them effectively will continue to be priorities in the years ahead as the School serves society’s changing health needs.

Faculdade de Medicina da Universidade de São Paulo (University of São Paulo Medical School)
The University of Sao Paulo (USP) is the largest institution dedicated to higher education and research in Brazil. Founded in 1912 and incorporated into the USP in 1934, FMUSP is the most traditional and respected medical school in Brazil. It is a national leader in the development of education and research, and in the application of such knowledge towards the improvement of the population’s health. Its excellence in education was recognized internationally in March, 1951, when it achieved the highest score (level A) conferred by the Council on Medical Education and Hospitals, from the American Medical Association (AMA) of the United States. FMUSP’s teaching hospital, Hospital das Clínicas (HC-FMUSP), was built in 1944. The main mission of the FMUSP-HC System is to provide assistance to patients, teaching, research and extramural activities with emphasis on a multidisciplinary and multi-institutional approach, adaptable to the Brazilian reality, and able to contribute to the quality of the Brazilian public health system.

Faculdade de Ciências Médicas da Santa Casa de São Paulo (Faculty of Medical Sciences of Santa Casa de São Paulo)
The Faculdade de Ciências Médicas da Santa Casa de São Paulo (FCMSCSP) is a medical school belonging to the Irmandade da Santa Casa de Misericórdia de São Paulo, a nonprofit organization that established the first hospital in the city of São Paulo in 1884 and that currently administers a network of 12 hospitals and several primary health care clinics throughout the metropolis. It is considered to be the largest philanthropic hospital in Latin America and receives approximately 8,000 people per day in all medical specialties. Its mission is to provide physical, psychological and social well-being to human beings within outstanding professionals and updated technology, searching for achieving excellence in care, teaching and researching. One of Brazil’s leading medical schools, FCMSCSP offers undergraduate and graduate degrees in health sciences and public health.

Harvard University, David Rockefeller Center for Latin American Studies, Brazil Office
Founded in 1994, Harvard's David Rockefeller Center for Latin American Studies (DRCLAS) works to increase knowledge of the cultures, economies, histories, environment, and contemporary affairs of past and present Latin America. The mission of the DRCLAS Brazil Studies Program in Cambridge and Brazil Office in São Paulo, which were established in 2006, is to enhance collaborative research among Harvard faculty and their Brazilian counterparts; encourage faculty engagement with Brazil and student participation in language programs, internships and research projects in Brazil; and provide a hospitable environment for Brazilians at Harvard and for Harvard scholars in Brazil.
COURSE LOCATION

São Paulo, São Paulo

São Paulo is the largest city in Brazil, the largest city proper in the southern hemisphere, and the world’s seventh largest city by population. The metropolis is anchor to the São Paulo metropolitan area, ranked as the most populous metropolitan area in the Americas and among the ten largest metropolitan areas in the world. São Paulo is the capital of the state of São Paulo, Brazil’s most populous state. It exerts strong regional influence in commerce, finance, arts and entertainment, and has a strong international influence.

São Paulo, a densely populated coastal city of more than 10 million people (19 million in the metropolitan area), offers 1,789 health services establishments, 40 public hospitals, 61 private hospitals, and the largest reference hospital complex in Latin America (HC-FMUSP) to serve the massive population. São Paulo is known for having excellent health services, and tourists (especially domestic tourists) who visit the city, specifically for health reasons, spend 54% more than the average visitor.

Despite a constitutional right to universal health care and continual health reforms, São Paulo’s citizens continue to grapple with inequities in income and health status. In 2009, 42.9% of Brazil’s income was held by the top 10% of the population, while 10.8% of the population lived on less than $2 a day. Despite recent improvements in reducing inequalities in the country, and in improving the purchasing power of the population, Brazil ranks lowest among all countries in income inequalities. Populations from lower socioeconomic levels tend to be physically segregated in less-desirable neighborhoods on the outskirts of the city, or in favelas (highly consolidated informal settlements). The residents of São Paulo’s most deprived communities made less use of expanded health services than their wealthier neighbors, perhaps one factor in the three-fold difference in infant mortality between Brazil’s poorest and wealthiest population quintiles.

Sources:
http://en.wikipedia.org/wiki/S%C3%A3o_Paulo
LECTURES

The following course lectures will be held on-site at FMUSP. Each session will be 1 hour 45 minutes long, with 50 minutes allotted for the lecture and the remaining time reserved for questions and group discussion. The objectives, key questions, and readings will be determined by each lecturer. Please see the course website to download all materials.

- **Lecture #1.** Building Background: Brazilian Unified Health System and Family Health Program (Fernando Aith)
- **Lecture #2.** Building Background: Health-Related MDGs in Brazil: Policies and Progress (Ricardo Paes de Barros)
- **Lecture #3.** Building Background: Urbanization: The Good, the Bad, and the Ugly (George Martine)
- **Lecture #4.** Building Tools: Data Sources and Analysis (Marcia Castro)
- **Lecture #5.** Building Specialized Knowledge: Dengue (Mary Wilson)
- **Lecture #6.** Building Specialized Knowledge: Leishmaniasis (John David)
- **Lecture #7.** Building Tools: Communication, Social Media, and Advocacy in Public Health (Alan Court)
- **Lecture #8.** Building Specialized Knowledge: HIV (Aluísio Segurado)
- **Lecture #9.** Building Specialized Knowledge: Tuberculosis (James Maguire)
- **Lecture #10.** Building Specialized Knowledge: Mental Health (Dartiu Xavier da Silveira)
During the first week of the course the entire group will visit four specific sites. Brief descriptions of and objectives for each site visit are presented next.

**CENTER FOR INTEGRATED CARE OF MENTAL HEALTH (CAISM)**
The Center for Integrated Care of Mental Health (CAISM) was founded in 1998 in the former location of the Psychiatric Hospital of Vila Mariana, a product of the partnership between FCMSCSP and the São Paulo State Department of Health. CAISM is a tertiary level center of mental health care, meaning it’s characterized by complex interventions that require service from highly trained specialists.

**Site Visit Objective:** To discuss the characteristics of the mental health program in Brazil and in São Paulo, as well as the challenges of diagnosis, treatment, service delivery, and patients follow-up.

**EMÍLIO RIBAS INSTITUTE OF INFECTIOUS DISEASES**
The Emílio Ribas Institute of Infectious Diseases, connected to the São Paulo State Department of Health, is a renowned hospital for the treatment of infectious diseases in Latin America. It has its origins in the Smallpox Sufferers Isolation Hospital, inaugurated in 1880, which became the Emilio Ribas Hospital in 1932 and the Emilio Ribas Institute of Infectious Diseases in 1991. The Institute was one of the first to treat HIV cases in Brazil, and since the nineties has been conducting national and international research focusing on HIV, viral hepatitis, leptospirosis, tuberculosis and others. Over the past 40 years the hospital has established itself as a reference center in conduct formation, knowledge generation and the training of specialists in infectious diseases.

**Site Visit Objective:** To discuss the most prevalent infectious diseases in São Paulo (with special attention to leishmaniasis, HIV/AIDS, tuberculosis, and dengue) and the difficulties in health care delivery, diagnosis, and patients’ adherence to treatment.

**SÃO PAULO MUNICIPAL HEALTH DEPARTMENT**
The Municipal Health Department for the city of São Paulo is responsible for coordinating the Unified Health System (Sistema Único de Saúde – SUS) in the city and promotes projects with the intent of protecting and generating the health of the local population. The Center for Epidemiology and Information will demonstrate the current monitoring system of health indicators. In addition, there will be a presentation of the Tuberculosis and HIV/AIDS Municipal Programs.

**Site Visit Objective:** To discuss the process of health surveillance in São Paulo, the use of health data for priority setting, strategic planning and programmatic decisions. The visit focuses on the health data management aspect of the health system.
BUTANTAN INSTITUTE
The Butantan Institute is a biomedical research center affiliated to the São Paulo State Secretary of Health. The Institute was founded in 1901, according to Pasteur Institute paradigm, i.e., by combining in the same institution medical research, the transfer of the results to society as health products, and self-financing through this later activity. It is one of the largest centers for biomedical research in the world, responsible for 51% of vaccines and 56% of prophylactic and curative serums in Brazil. The Institute develops basic and applied biomedical research in many areas, including molecular biology, immunology and epidemiology and has a graduate research training program in collaboration with other institutions, in the areas of biotechnology and infectology. It is currently testing a dengue vaccine. Besides its research laboratories, production units and specialized library, it operates an animal breeding center for providing subjects for research and production of sera. The Institute operates a specialist hospital that offers free treatment for poisonous animal stings and bites. It advances scientific mission in Brazil and abroad through the World Health Organization, the Pan-American Health Organization, Unicef, and the United Nations.

Site Visit Objective: To discuss the challenges of producing vaccines at a large scale, for distribution to the entire country. Also, to discuss the difficulties in testing a new dengue vaccine that is 100% produced in the country.
**Site Visit Groups**

To facilitate organization and coordination of the visits vary on Jan 7th and 8th, each student has been pre-assigned to a specific group. The listing of each 15-member group is summarized below. Please note that these groups and their purpose is distinct from the fieldwork project groups.

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>From</th>
<th>Site Visit Group</th>
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<tbody>
<tr>
<td>Kimberly</td>
<td>Schaefer</td>
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<td>Ana Carolina</td>
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<td>Charles</td>
<td>Upton</td>
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<td>Nwadiuto (Chuka)</td>
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<td>Sarah</td>
<td>MacDonald</td>
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<td>Daniel</td>
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<tr>
<td>Ana Luiza</td>
<td>Penna R. Miranda</td>
<td>Brazil</td>
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GROUP FIELDWORK PROJECTS

Objectives:

- Define a question that needs to be answered in order to control or reduce the burden from the specific disease that the group is addressing.
- Develop a feasible research proposal that would help to answer this question.
- Review the necessary data from electronic databases, published literature, discussions with local researchers, staff, residents, and others to develop a research proposal.
- Draw on the diverse backgrounds of students in the group, who will bring different skills and experiences to the project.
- Present the proposal to the local community (may include clinic staff, community health workers, residents, and/or others).
- Present the final proposal to the entire class (and others from FMUSP, FCMSCSP, and elsewhere) at the end of the course.

Proposals:

- Innovative; in some instances the team may use the course project to further develop one aspect of an existing project;
- Feasible;
- Draw on past research/control efforts (why were past efforts unsuccessful?);
- Will inform policy decisions or public health decisions;
- Will improve control of the disease or improve the health of local population;
- Tailored to local community;
- Take advantage of expertise of all;
- Utilize appropriate research methodologies;
- OK to have >1 part of proposal (or one main subpart);
- Fundable (there may be opportunities to apply for funding to carry out these projects in the future);
- Can be completed in a reasonable timeframe (e.g. a research question that you could answer in approximately one year, although it can draw on past data from many years).
LOCAL PRESENTATION: (when appropriate)

- Decide who stakeholders are (local community, researchers, etc.) and decide on specific time and place for presentation of ideas to them for discussion – this should be done during the early part of the week so that the place can be reserved and invitations can be extended;
- Depending on the target audience, it may be more appropriate to conduct the presentation in Portuguese;
- Plan on a 30-minute presentation that includes breadth/depth of information appropriate for your chosen audience;
- Allow approximately 1 hour for discussion and feedback from the audience (you may want to come up with some discussion questions);
- Describe feedback received in presentation (and indicate who has given feedback).

FINAL COURSE PRESENTATION AND REPORT: (1 hour and 15 minutes)

- Approximately 30 minutes for presentation and 45 minutes for discussion (1 hour and 15 minutes total);
- Statement of research intent of approximately 3-5 pages including a research question, background, specific aims, significance, data and methods, research plan, and references (references are not included in the 3-page limit);
- Describe role of each student member of team in the project;
- Reflect upon feedback received during local presentation;
- Deliver electronic copy of presentation on day of presentation;
- Include acknowledgments;
- Jointly present – those who do not formally present the group presentation must participate during discussion session;
- Final presentations will be on Tuesday, January 21st starting at 8:45 a.m. in this order:
  - Dengue
  - HIV/AIDS
  - Leishmaniasis
  - Mental Health
  - Tuberculosis
PROPOSED FINAL REPORT FORMAT:

Cover Page: (1 page)
Title of the project
Team members

Acknowledgments: (1 page)

Statement of research: (3-5 pages)
Include the following sections:

- Background
  - Briefly sketch the background leading to the proposal, evaluate existing knowledge, and identify the gaps that the project is intended to fill.

- Specific aims
  - List the broad, long-term objectives and the goal of the specific research proposed (e.g. test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology).

- Significance
  - State the importance and health relevance of the research proposed; how scientific knowledge or clinical practice will be advanced.

- Data
  - Describe what data will be used in the proposed research (e.g. secondary data, new survey and how will be collected, qualitative/quantitative/ mixed).

- Research Plan
  - Describe the research design conceptual or clinical framework procedures, and analysis to be used to accomplish the specific aims of the project; how the data will be analyzed and interpreted; how the information will reach policy makers (translational of knowledge). Discuss potential difficulties and limitations of the proposed procedures and alternative approaches to achieve the aims.

References: (No page limit)

Role of students: (1 page)

- Describe role of each student member of team in the project development.

Appendix: (As appropriate)
Groups for Fieldwork Projects:

**DENGUE**

Mary Wilson, Marcia Castro, Expedito Luna

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**HIV/AIDS**

Aluísio Segurado, Maria Amélia Veras

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**LEISHMANIASIS**

John David, Guilherme Werneck, Osias Rangel

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<td>Jimmy Khaw</td>
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**MENTAL HEALTH**

Dartiu Xavier, Cassio Papa, Mauricio Diament

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**TUBERCULOSIS**

James Maguire, Marcelo Litvoc

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Map of Brazil and Location of Course Field Sites:

São Paulo, SP
Map of Key Site Locations in São Paulo

To view specific course locations, please see interactive course map at: http://bit.ly/1h3Gv1b

LEGEND:
- Course Location
- Site Visit
- Accommodation
Key Summary Indicators about Brazil:

- Life Expectancy at Birth (2013 est.): 73.02 years (69.48 males; 76.74 females)
- Total Fertility Rate (2013 est.): 1.81 children born/woman
- Infant Mortality Rate (2013 est.): 19.83 deaths/1,000 live births
- Urban population (2010): 87% of the total population
- GDP – Purchasing Power Parity (2012 est.): $2.394 trillion (8th highest in the world)
- GDP Composition by Sector (2012 est.): agriculture 5.2%; industry 26.3%; services 68.5%
- Labor Force by Occupation (2011 est.): agriculture 15.7%; industry 13.3%; services 71%
- Unemployment rate (2012 est.): 5.5%
- Population below poverty line (2009 est.): 21.4%
- Religions: Roman Catholic (nominal) 64.6%, Protestant 22.4%, Spiritualist 2.0%, Bantu/hoodoo 0.3%, other 2.7%, unspecified 0.1%, none 8.0% (2010 census)
- Ethnic Groups: white 53.7%, mulatto (mixed white and black) 43.1%, black 7.6%, other (includes Japanese, Arab, Amerindian) 0.9%, unspecified 0.7% (2010 census)

Sources:
Brazil Institute of Geography and Statistics - IBGE, www.ibge.gov.br
SCIENTIFIC ORGANIZING COMMITTEE

A Scientific Organizing Committee is responsible for the planning, review, and assessment of the 6th Harvard-Brazil Collaborative Public Health Field Course. The committee is composed of five faculty members from the Harvard School of Public Health, Faculdade de Ciências Médicas da Santa Casa de São Paulo, and Faculdade de Medicina da Universidade de São Paulo. The scientific organizing committee is structured to ensure representation of both the academic disciplines and institutions that have been critical to the development of the course.

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Adjunct Professor of Social Medicine, School of Medical Sciences, FCMSCSP

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John R. David
Richard Pearson Strong Professor of Tropical Public Health, Emeritus, Department of Immunology and Infectious Diseases, HSPH

Mary E. Wilson
Adjunct Associate Professor, Department of Global Health and Population, HSPH
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Teaching Assistant  
Master’s Student  
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<th>Students from Harvard University</th>
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<td><strong>Jennifer Kizza</strong></td>
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<td><strong>Megan Diamond</strong></td>
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Adaliss Rodriguez is a first year graduate student at the Harvard Divinity School, with a focus on Religion, Ethics, and Politics. Academically, she is interested in the intersections of religion and the cultures of biomedicine and ethnomedicine, particularly in relation to global health. Through her on-the-ground service and field-based research with Teach for America and as a Fulbright Scholar, Adaliss solidified her commitment to serve underprivileged communities and inform policy and practice across Latin America. Adaliss is a native Spanish speaker of Mexican and Puerto Rican ethnic origin and her hobbies and interests include playing soccer, living out her appreciation for multicultural and pluralistic settings via delving into different religious and cultural learning opportunities, and most importantly, growing in her Catholic faith.

Adriana Cezaretto
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PhD Candidate
University of São Paulo School of Public Health (USP)

Adriana Cezaretto is psychologist, Master in Health Sciences and is currently a PhD student at the School of Public Health at the University of Sao Paulo. Her project focuses on the association between depression and cardiometabolic risk factors. She has expertise in development and implementation of lifestyle interventions with a psychoeducational approach, considering assessment of the quality of life and depression. In 2013, she participated in a fellowship with Canadian staff at the University of Alberta in order to improve her knowledge on community interventions and prevention of diabetes and obesity in high risk populations and minorities. She hopes that participation in this course will increase her engagement in public health policies in order to translate the scientific knowledge into practice.

Alan Court
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Senior Advisor
United Nation’s Secretary General’s Special Envoy for Financing the Health Millennium Development Goals and for Malaria

Before joining the UNSE office, Alan Court was the Director of the UNICEF Programme Division and had previously been posted in Latin America, Africa and South Asia. As the Director of the UNICEF Programme Division, he led the division's strategy development, program guidance and implementation processes, and was responsible for seeing UNICEF’s programs were focused on the achievement of the Millennium Development Goals. Prior to this, Mr. Court served for five years as Director of the UNICEF Supply Division in Copenhagen. Before working in New York and Copenhagen, he had a long and distinguished career in the field. Alan Court holds a Master’s Degree in Rural Social Development from the University of Reading, School of Education.
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Science Journalist
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Aleszu Bajak is a science journalist and founder of LatinAmericanScience.org, a bilingual resource for science news out of the region. Before freelancing from Latin America, he worked as a producer for the talk show Science Friday on National Public Radio. He's no stranger to the lab bench, having worked in gene therapy at Weill Cornell Medical College in New York City.

Aluisio Augusto Cotrim Segurado
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Full Professor in the Department of Infectious and Parasitic Diseases in the School of Medicine at the University of São Paulo (FMUSP)

Aluisio C. Segurado is a Full Professor in the Department of Infectious and Parasitic Diseases in the School of Medicine at the University of São Paulo. He was a Visiting Research Fellow in the Program of International Health and Human Rights at the Harvard School of Public Health in 2008. After graduating in Medicine from the University of São Paulo, Brazil, he completed his Master’s in Science and Ph.D. degrees in Infectious Diseases from the same institution in 1991 and 1994. His research focuses on human retroviral infections (HIV/AIDS and HTLV) with particular interests in understanding the vulnerability of different population groups to viral acquisition, as well as to disease progression and response to care interventions. Dr. Segurado’s academic activities cross disciplines and encompass the fields of molecular virology, clinical medicine and public health. His international experience includes acting as Visiting Scientist at the Centers for Disease Control and Prevention, in Atlanta, Georgia, as technical “ad hoc” advisor to the WHO, as well as previous academic research visits to Japan, France and the United States.

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Ana Carolina Navarrete Munhoz Fernandes da Cunha is a Master's student in Human Rights. She received her undergraduate degree in law from the University of São Paulo. Ana Carolina was a trainee researcher from Escola Superior do Ministério Público da União (ESMPO) and worked at Ministério Público do Trabalho in the area of public administration contracts. She has experience in human rights advocacy, with an emphasis on urbanism, cities configuration, and right to decent housing. Her research areas lie in health, law and citizenship, and healthcare models studies, especially in the areas of the right to health effectiveness and health public policies. Her current studies focus on the effects of private governance in the Brazilian healthcare public system.
Ana Luiza Penna Rocha Miranda
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Master's Student
Institute of Social Medicine, State University of Rio de Janeiro (UERJ)

Ana Luiza is currently in the Master of Public Health program at the Institute of Social Medicine (IMS-UERJ). Ana Luiza completed her undergraduate degree in psychology from PUC-Rio and now works as a clinical psychologist. During her undergraduate years, she worked in the project PIPA with children from low-income families of the Vila Parque community in Rio de Janeiro providing clinical support. She also worked with patients with severe mental disorders and SUS users at the Casa das Palmeiras clinic. Currently, her research project focuses on the integration of mental health services in primary care within the scope of action of the SUS. Ana Luiza hopes her work will contribute to expand the production and analysis of data about the current practice of mental health in primary care, providing the material studied to optimize public policy.

Barbara Hatzlhoffer Lourenço
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PhD Candidate
University of São Paulo School of Public Health (USP)

Barbara Hatzlhoffer Lourenço earned a degree in Nutrition from the University of São Paulo, Brazil, in 2008. She is currently a doctoral student in Public Health Nutrition at the School of Public Health of the University of São Paulo. Her dissertation focuses on determinants of child health, linear growth, and weight gain in a population-based study conducted in the Brazilian Amazon region, in an area where exposure to poor living conditions, high rates of infectious morbidities and nutritional deficiencies is combined with a concurrently emerging scenario of overnutrition. She performed research tutorial programs at the Center for Social Epidemiology and Population Health, University of Michigan School of Public Health, Ann Arbor, MI, USA (2010-2011), and at the Department of Nutrition, Harvard School of Public Health, Boston, MA, USA (2013). Barbara is interested in pursuing an academic career, with research interests in the fields of nutritional epidemiology and public health.

Caroline Beck
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Master's Student
Federal University of Rio Grande do Sul (UFRGS)

Caroline graduated from Federal University of Rio Grande do Sul in southern Brazil with a degree in Biomedical Studies, focusing on Molecular Biology. She is currently a full-time master's student in the Epidemiology graduate program at the same university. During her undergraduate studies, she participated in a research project involving the investigation of the molecular epidemiology of respiratory infections in children, focusing on the influenza and respiratory syncytial virus at the Hospital de Clínicas de Porto Alegre. Nowadays, she's been working on a research project that aims to investigate the causes of AIDS-related morbidity and mortality in the city of Porto Alegre by using a near miss approach. Her dissertation is a survival analysis of individuals living with HIV/AIDS diagnosed in the same city, through the use of a record linkage using health information system databases. The project is a collaboration between the City Hall Health Department, the Brazilian Ministry of Health and the Center for Disease Control and Prevention (CDC/USA).
Caroline Feitosa  
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PhD Candidate  
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Caroline grew up in the city of Paulo Afonso, located in the countryside of the state of Bahia. She moved to Salvador and her background is in psychology. While an undergraduate student at Federal University of Bahia, she had the opportunity to get involved in a big research project at the Institute of Collective Health, ISC-UFBA, which studied social changes, asthma, and allergies in Latin America. After graduating, she did a Master’s course at the London School of Hygiene and Tropical Medicine, LSHTM - UK. Her master project at the LSHTM was focused on the relationship between psychosocial factors and chronic illness in children. Her research interests are the complex relationship and the causal pathways linking social and psychological factors with chronic and infectious diseases (such as asthma, malaria and TB), but she is also interested in mental health and social epidemiology. She is now a Public Health PhD student at the Institute of Collective Health, ISC-UFBA.

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Cássio is currently in a Medical Residency Program on Psychiatry at the Santa Casa de São Paulo Hospital. He received a medical degree from the School of Medical Sciences of Santa Casa de São Paulo in 2010. As a student he collaborated with public health research, working as an interviewer in population health surveys. In 2009, he received a scholarship from the São Paulo Research Foundation (FAPESP) to work with partner notification of patients with sexually transmitted infections. After graduating he worked as a doctor in the Navy in Amazonas to provide medical assistance to the population living along the region’s rivers. These experiences have contributed to an increased interest in public health issues. He plans to work in the field of mental disorders in the community, focusing on the association of mental disorders with life course disadvantages, disabilities and poorly perceived health.

Charles Upton  
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Charles Upton is a Master's of Science candidate in the Health Policy and Management department at Harvard School of Public Health. He received a Bachelor’s degree in Biology and Neuroscience from Williams College in 2008. Recently he has worked in the neuropsychology clinic at Brigham and Women's Hospital in Boston and coordinated neuro-HIV research at the University of North Carolina. He is looking forward to the course in Brazil.
Christine Grutzmann Faustino  
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Born in the city of Campo Grande, Christine graduated with a degree in Pharmacy at the University of Londrina in 2002. She worked in private pharmacies and subsequently specialized in Hospital Pharmacy. While working at the Clinics Hospital in São Paulo, she began her Master’s in Gerontology at the University of São Paulo Medical School, aiming to investigate the prescribing of potentially inappropriate medications in the elderly in an outpatient pharmacy. She worked in several hospitals and is currently a doctoral student in the Department of Preventive Medicine at the same university. She intends to investigate economic and pharmacoepidemiological aspects related to the drug expenditures by households with elderly. Beyond pharmacoepidemiology and gerontology, she is interested in quantitative methods in health, inequalities in health and pharmaceutical policies. In this course, she is looking forward to learning from the experiences of colleagues and sharing her experience with them.

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Daniel Barros is a first-year Master’s student in Public Health at the Faculdade de Ciências Médicas da Santa Casa de São Paulo. He has most recently worked on research projects focusing on LGBT health, including prevalence of HIV among men who have sex with men and public-health needs of transvestites, transsexuals, and transgender persons in São Paulo. His interests include infectious disease epidemiology, surveillance, prevention, and gender studies. His current research aims to identify behaviors and strengthen HIV prevention techniques for the LGBT community. He has a Bachelor's Degree in International Relations from IUPERJ.

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Dartiu Xavier da Silveira has a degree in Medicine and obtained his Ph.D. in Psychiatry at the Federal University of Sao Paulo, Brazil, and he specialized in addictive behaviors at the Centre Medical Marmottan, Paris. He is a professor at the Medical School of the Federal University of Sao Paulo and has been coordinating the Addiction Unit of the institution for the last 25 years. He has been conducting research on different themes, specifically in psychiatry and neuroscience, such as: alcohol and other drugs misuse, impulse control disorders, psychiatry co-morbidity, neuropsychiatry, harm reduction, psychometrics (validation of diagnostic and screening instruments), assessment of effectiveness of therapeutic interventions, and systematic reviews and meta-analysis. An active member of national and international organizations, he founded PROAD – Program for the Orientation and Assistance for Drug Dependents in 1987 and ABRAMD (Brazilian Multidisciplinary Association for Studies on Drug and Alcohol) in 2003, and was director and president of both institutions. Following his Jung Psychology studies, he was president of the Brazilian Association for Analytical Psychology (SBPA). Dr. Dartiu’s broad areas of interest are reflected in his clinical, teaching, and research activities, encompassing general psychiatry, psychopathology, psychotherapy, and neurobiology.
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Professor, Department of Political Science, University of São Paulo
Researcher for CEBRAP, Project Coordinator for the Center for Metropolitan Studies (CEM), FAPESP

Eduardo Marques graduated in Civil Engineering from the Universidade Federal do Rio de Janeiro (1987), specializing in public health from ENSP / FIOCRUZ (1989), a Master’s in Urban and Regional Planning, Federal University of Rio de Janeiro (1993) and a PhD in Social Sciences State University of Campinas (1998). Currently, he is the coordinator of the National Institute of Science and Technology within CEM, vice president of the RC 21 of the International Sociological Association, and Coordinator of the IPSA Summer School on Concepts and Methods in Political Science and International Relations in São Paulo. His most recent book, ‘Opportunities and deprivation in the Global South: Poverty, segregation and social networks in São Paulo’ was published by Ashgate in the UK. He is a professor at the Department of Political Science at USP, researcher and deputy director of the Center for Metropolitan Studies (Cepid/FAPESP), and coordinator of the National Institute of Science and Technology for Metropolitan Studies. He is vice-president of RC-21 - International Sociological Association, trustee of FURS - Foundation for Urban and Regional Studies (UK) and deputy special advisor at FAPESP. He is also the coordinator of the Summer School "Concepts and Methods in Political Science" held by the International Political Science Association in association with the DCP/USP and IRI/USP.

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Professor,
Institute for Tropical Medicine
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Expedito Luna, MD, PhD, is an epidemiologist and professor of medicine at the Institute for Tropical Medicine, University of São Paulo. For a large part of his career he worked as a medical epidemiologist in the Brazilian Epidemiologic Surveillance and Disease Control System, at the local level (Municipality of São Paulo), state (State of São Paulo Health Secretariat) and at the Brazilian Federal Ministry of Health, where he occupied the position of Director of the Department of Surveillance and Control of Infectious Diseases. He joined the University of São Paulo in 2008. He has been working on epidemiology of infectious diseases and, in partnership with the Division of Clinical Trials of Butantan Institute, he has participated in several clinical trials of vaccines.

Felipe Vale
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Master’s Student
University of São Paulo Medical School (FMUSP)

Felipe C. Vale is a pharmacist graduated from the Federal University of Maranhão Pharmacy School. In 2010 he joined Qualiáids research group at University of Sao Paul Medical School and since then he has been working in the field of public health, especially with healthcare services research (projects on health care quality and adherence to long-term therapies). He is currently getting his Master’s degree in Preventive Medicine from the same institution, addressing the topics of adherence to antiretroviral therapy and organization of HIV/AIDS healthcare facilities.
Fernanda Fonseca
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Resident Physician
Emilio Ribas Infectious Diseases Institute

Fernanda Fernandes Fonseca is currently a first year resident in Infectious Diseases at Emilio Ribas Institute of Infectious Diseases. She was born in Salvador and studied Medicine at the Medicine School of Bahia – Federal University of Bahia. During her time there, she worked as a trainee in the School of Public Health of Bahia and in Couto Maia Hospital of Infectious Diseases, where she could get close to themes that later became her field of interest. She also participated in projects with socially excluded communities. She plans on work with neglected diseases and with projects that could help the SUS (public health system of Brazil) fulfill its goals of universality, equity, and integration. She is looking forward to working with the team of the collaborative Harvard-Brazil initiative and learning from the experiences of people of different places and fields.

Fernando Aith
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Professor
Center for Study and Research in Health Rights, University of São Paulo (USP)

Fernando Aith has a PhD in Public Health from the University of São Paulo Public Health School (2006), a Master's in Philosophy and General Theory of Law from the University of São Paulo Law School (2002), a Master's in in Medical and Health Law from the University of Paris 8 (2005), and a Bachelor's in Law from the University of São Paulo Law School (1995). Aith has been a professor at the University of São Paulo Medical School since 2011. He is also a member of the Advisory Board of the University of São Paulo Health Law Research Center, member of the Board of the USP’s Chair for Education for peace, Human rights, Democracy and Tolerance of United Nations Education, Scientific and Cultural Organization since 2012.

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Senior Researcher
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Francisco Bastos (MD, PhD) is a senior researcher at FIOCRUZ. His research focuses on populations at high-risk of HIV infection in Brazil. Together with colleagues from Johns Hopkins, he has conducted one of the few qualitative research studies on the impact of HIV treatment optimism on sexual behaviors among people living with HIV/AIDS. Dr. Bastos has been involved in the planning and management of multicity projects, such as the WHO Multicity Project on HIV/AIDS and viral hepatitis among users of injected drugs. He is currently in charge of data management of HIV Prevention Trials Network (HPTN) protocols and has been a member of the Substance Working Group, currently aiming to develop a phase II study combining modafinil (a dopamine blocking drug) and comprehensive counseling to reduce craving for stimulants and prevent HIV transmission among substance abusers. Dr. Bastos has been also involved in analyses aiming to assess the status and trends of the AIDS epidemic in Brazil and modeling on the impact of Highly Active Anti-Retroviral Therapy (HAART) on AIDS deaths and the spread of other sexually transmitted infections, in partnership with the Imperial College, UK.
Francisco José Oliveira de Pontes  
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Master's Student  
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Francisco is a Master's candidate in the Department of Public Health at the Federal University of Ceará (UFC), with a focus on Aging Epidemiology. He graduated with a degree in medicine in 2006 from UFC and completed his residency in Psychiatry at Messejana Mental Health Hospital in 2011 in Fortaleza. He took an additional year of residency on Psychogeriatrics at the Institute of Psychiatry of the University of São Paulo in 2012. Francisco works as a supervisor of a medical residency program on psychogeriatrics services and community psychiatry, and also as a psychiatry assistant at a Psychosocial Care Center (CAPS). Besides clinical work, he is part of the matrix-based strategy team.

George Martine  
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Technical Director  
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George is a Canadian Sociologist/Demographer who has worked on development issues in Latin America, especially in Brazil. He has a PhD from Brown University and has written extensively on social, demographic and environment topics. George co-edited the upcoming book “Urban Growth in Emerging Economies: Lessons from the BRICS”, and “The Demography of Adaptation to Climate Change”. He authored “Unleashing the Potential of Urban Growth” in 2007, which spearheaded a revision of anti-urbanization policies and promoted the need for proactive stances towards incipient urban transitions. He was also Senior Editor of the Earthscan book on “The New Global Frontier: Urbanization, Poverty and Environment.” He is currently Technical Director of Dhemos Consulting, an independent firm that provides support mostly to international organizations on socio-economic, demographic and environmental issues. George is co-founder, former President and current member of the Board of the Brazilian Population Association (ABEP). He previously served as Director of UNFPA's Country Support Team for Latin America and the Caribbean, Senior Fellow at Harvard University's Center for Population and Development, Director of a Brazilian NGO on population and environment, and Technical Coordinator of several United Nations technical assistance projects on social development in Brazil.

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State University of Rio de Janeiro (UERJ)  
Visiting Scientist, Department of Global Health and Population, Harvard School of Public Health (HSPH)

Guilherme graduated with a degree in Medicine and received a Master's degree in Public Health from the State University of Rio de Janeiro and a DSc degree in Immunology and Infectious Diseases from the Harvard School of Public Health. He has an appointment as a full professor at the Department of Epidemiology of the State University of Rio de Janeiro. He is a member of the "WHO Expert Advisory Panel on Parasitic Diseases (Leishmaniasis)" and a senior researcher of the Brazilian Research Council. He is currently a visiting scientist at the Department of Global Health and Population at the Harvard School of Public Health. His research focuses on the epidemiology of infectious diseases, with a particular interest on the identification of socioeconomic and environmental determinants of the occurrence and spread of visceral leishmaniasis; uses of spatial data analysis, geographic information systems and remote sensing in epidemiology and public health; urbanization and health; uses of epidemiologic and statistical methods in health sciences.
Isamar Jennifer Vega
ivega13@post.harvard.edu
Post-Graduate Fellow, Brazil Office
David Rockefeller Center for Latin American Studies (DRCLAS), Harvard University

Isamar Vega graduated from Harvard College in 2013 with a Bachelor’s degree in psychology and a language citation in French. While at Harvard, Isamar was a research assistant at the Harvard Lab for Developmental Studies, co-chair of the Undergraduate Admissions Council (UAC), a student worker for the Harvard College Office of Undergraduate Admissions and Financial Aid. After participating in DRCLAS's Mentoring and Language Acquisition in Brazil (MLAB) program in São Paulo in January 2012, she fell in love with Brazil and education. Consequently, she became incredibly excited to combine these two passions by interning at EducationUSA-Associação Alumni through the Public Policy Immersion Program (PPIP) in São Paulo and by mentoring Brazilian students applying to American universities through Fundação Estudar's Prep Program. During her year as a Post-Graduate Fellow at the DRCLAS Harvard-Brazil Office in São Paulo, Isamar hopes to improve her language skills in Portuguese and to develop her interests in psychology, education, and travel.

James H. Maguire
jmguire@partners.org
Professor of Medicine
Brigham and Women's Hospital in the Division of Infectious Disease, HSPH, HMS

James Maguire is Professor of Medicine at Harvard Medical School and Senior Physician at Brigham and Women's Hospital in the Division of Infectious Disease. He lived in Bahia for almost 4 years (1978-81) working on parasitic diseases in collaboration with colleagues at UFBa, FIOCRUZ, SUCAM, and HSPH. He returned to Harvard until 2001, when he became Chief of the Parasitic Diseases Branch at CDC in Atlanta, Georgia. Before returning to Harvard in 2008, he was director of International Health at the University of Maryland, School of Medicine. His research has focused on epidemiology and clinical features of Chagas disease, leishmaniasis, malaria, toxoplasmosis and other parasitic diseases primarily in Brazil, Bangladesh, Thailand, Guatemala, Peru and Bolivia.

Jason Dyett
jason_dyett@harvard.edu
Program Director, Brazil Office
David Rockefeller Center for Latin American Studies (DRCLAS), Harvard University

As Program Director of the Brazil Office, Dyett manages the activities and operations of the office in São Paulo. Having initially moved to Brazil in 1996 after two and a half years at Harvard's DRCLAS, he established the Brazil office of the Economist Intelligence Unit's telecommunications research division. During his first five years in Brazil, Dyett gained experience growing technology companies backed by international and Brazilian investors. In April 2006, he rejoined the DRCLAS from the Corporate Executive Board, a Washington, DC-based organization that provides executive education to public and private companies. Dyett obtained an MBA in Finance from the University of Chicago, Graduate School of Business in 2004 and graduated Phi Beta Kappa from the University of Vermont in 1994 with a bachelor's degree in Political Science and Spanish.
Jennifer Kizza is a sophomore at Harvard College concentrating in neurobiology with a secondary in global health and public policy. She is most passionate about equal opportunities in education and the availability of health care not only in the United States, but globally. Jennifer is involved in various organizations at Harvard, including CrimsonEMS where she serves as an EMT. She also is a board member for Refresh Bolivia, an organization that plans and implements reforms to promote sustainable water supply in Bolivia. Her interests in global health and education have led her to travel to Uganda, Botswana, and Bolivia while at Harvard. She is very excited to now travel to Brazil. Jennifer is good in her Spanish speaking skills but hopes to become proficient in the language.

Jimmy Khaw is a Master's of Science candidate at the Harvard School of Public Health in the Department of Environmental Health. He received a Bachelor of Arts in Biology and Master of Arts in Biology at Washington University in 2009 and 2012, respectively. Jimmy was born in Malaysia and grew up in Taiwan before coming to the US for college. He is excited for the upcoming trip to Brazil. It will be his first international health experience.

Ji Su Yoo is a junior at Harvard University concentrating in Social Studies and Statistics. In her studies, she focuses mainly on the international relations and negotiations in East Asia. But she also has a passion to improve the quality of health and life in Latin America, so she also plans to study the economics of health in Latin America. Outside of the classroom, she absolutely loves singing in her favorite a capella group, Harvard's Under Construction and hanging out with the ladies in Harvard College Faith and Action (HCFA).
John R. David
jdavid@hsph.harvard.edu
Richard Pearson Strong Professor of Tropical Public Health, Emeritus,
Department of Immunology and Infectious Diseases, HSPH

John has a degree in medicine from the University of Chicago. He was a resident at Massachusetts General Hospital and has also held a position at the National Institute for Arthritis and Metabolic Diseases. He also worked at the New York University Department of Medicine, where co-discovered the first cytokine, MIF (migration inhibitory factor). Dr. David moved to the Harvard Medical School in 1966 where he has been since. He was appointed Professor of Medicine in 1972 and was the Chair of the Department of Tropical Public Health 1981-1997 at the Harvard School of Public Health. He has been the Richard Pearson Strong Professor Emeritus since 2002. He has worked two months per year in Brazil since 1979 on schistosomiasis and leishmaniasis in Salvador, Manaus, Fortaleza and Rio de Janeiro. In 1995, Dr. David co-founded with FIOCRUZ in Salvador an AIDS prevention program which distributes condoms through music groups during Carnaval. Dr. David started and directed for five years the Biology of Parasitism Summer Course at the MBL, Woods Hole, MA in 1980, which just finished its 32nd year. He has participated in the DRCLAS/BRAZIL January course on infectious diseases for four years.

José de Filippi Júnior
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Municipal Secretary of Health, Mayor’s Office - City of São Paulo

José de Filippi Júnior has an engineering degree from the Polytechnic School of the University of São Paulo (1980). He was the mayor of Diadema in three occasions (1993-96, 2000-04, and 2004-08). In 1998 he was elected as a State Representative for São Paulo state, and in 2010 as a Congressman. In 2009 he received the Loeb fellowship by the Harvard’s Graduate School of Design, and spent the academic year 2009-2010 in Cambridge, MA. In 2013 he was invited by the mayor of São Paulo to serve as Municipal Secretary for Health.

Júlia Calazans
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Master’s Student
Center of Development and Regional Planning, Federal University of Minas Gerais (UFMG)

Júlia has Bachelor’s degree. in Economics from the Federal University of Minas Gerais (UFMG) and she is currently a Master’s degree candidate in Demography at the Center of Development and Regional Planning (CEDEPLAR/UFMG). For four years now she has been working as a research assistant on several projects about labor market, inequality and poverty at CEDEPLAR/UFMG. Since 2012, she has been a member of the Health Economics Research Group (GEESC/CEDEPLAR/UFMG), which conducts research and academic work in the area of planning and evaluation of health policies. Among her main areas of interest are mortality and morbidity, epidemiologic transition, socioeconomic inequalities health and public policy evaluation.
Kimberly Schaefer
kschaefer@college.harvard.edu
Undergraduate Student
Class of 2015
Harvard College

Kimberly Schaefer is a junior at Harvard University studying Neurobiology with a secondary in Global Health and Health Policy. She spent this past summer in Kisumu, Kenya working with the Kisumu Medical and Education Trust to develop an integrated microfinance and mental health program for female graduates of the vocational training program. She has also worked in research labs in Hawaii and Boston studying environmental toxicology and cardiac regeneration. She hopes to attend medical school and do work in public health in the international arena. Kimberly is excited to study public health from the Brazilian perspective.

Manoel Ribeiro
mcrmacal@gmail.com
Assistant Professor
School of Medical Sciences, Santa Casa de São Paulo (FCMSCSP)

Manoel Ribeiro graduated with a degree in Medicine from the Federal University of São Paulo (1991), a Master's in Medicine (Preventive Medicine) from the University of São Paulo (2000) and a Ph.D. in Medicine (Preventive Medicine), also from the University of São Paulo (2005). He is currently an assistant professor at the Faculty of Medical Sciences of Santa Casa de São Paulo. He has experience in the area of Public Health with an emphasis in Epidemiology, acting on the following themes: population surveys, living conditions and health, AIDS, immunization coverage and social inequality in health.

Marcelo Litvoc
malitvoc@uol.com.br
Physician at Infectious Diseases Consulting Services
Hospital das Clínicas at University of São Paulo Medical School (FMUSP)

Marcelo Nóbrega Litvoc is from São Paulo, Brazil. He graduated with a degree in Medicine from the School of Medical Sciences of Santa Casa of São Paulo in 1996 and conducted his medical residency in Infectious Diseases at the University of São Paulo Medical School (USPMS.) Currently he joins the Infectious Diseases Consulting Service of Clínicas Hospital of FMUSP (USPMS) and belongs to the outpatient Tuberculosis Group of the same hospital. The division offers educational support on Infectious Diseases training for internists, residents and fellows. As part of clinical staff, his principal activities are related to supervising medical attention and provide education based on discussion of clinical cases.
Marcia C. de Castro
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Associate Professor of Demography, Department of Global Health and Population, HSPH

Marcia Castro serves as a member of the Faculty Advisory Committee of the Brazil Studies Program, and a member of the Brazil Studies Program Steering Group of the David Rockefeller Center for Latin American Studies (DRCLAS). She is a member of the Center for Geographic Analysis (CGA) Steering Committee. Her research focuses on: the identification of social, biological, and environmental risks associated with vector-borne diseases in the tropics; modeling determinants of malaria transmission, with particular emphasis on generating evidence for better control strategies; expansion of the Brazilian Amazon frontier and the social and environmental impacts of large-scale development projects implemented in the region; urbanization and health; use of spatial analysis in the Social Sciences; population dynamics and mortality models. Castro has applied geographical information systems, remote sensing, and spatial statistics to her research, as well as proposed novel methods in spatial analysis. She is currently working on projects focusing on asymptomatic malaria and child health & development in the Brazilian Amazon region. Castro earned her Ph.D. in Demography from Princeton University.

Maria Amélia de Sousa Mascenas Veras
maria.veras@gmail.com
Adjunct Professor of Social Medicine, School of Medical Sciences, Santa Casa de São Paulo (FCMSCSP)

Maria Amélia de Sousa Mascenas Veras is Adjunct Professor in the Department of Social Medicine of the School of Medical Sciences of the Santa Casa de São Paulo and a Visiting Scientist in the Department of Global Health and Population at the Harvard School of Public Health in 2009-2010. Her research interests include the epidemiology, prevention and control of the HIV/AIDS epidemic, other sexually transmitted diseases and vaccine studies. She has received fellowships from the Fogarty International AIDS Training Program at the University of California, San Francisco (1998) and from the University of California, Berkeley (1999-2001) to support her research and training. She received her medical degree from the Universidade Federal de Pernambuco, a Master’s degree in Public Health from the University of California, Berkeley, and Master’s and doctorate degrees in Preventive Medicine from the Universidade de São Paulo. She serves as a distance tutor for the London School of Hygiene & Tropical Medicine and is a member of the International Epidemiology Association.

Maria Fernanda Tourinho Peres
mftperes@gmail.com
Assistant Professor, Department of Preventive Medicine
University of São Paulo Medical School (FMUSP)

Maria Fernanda Tourinho Peres is a medical doctor with a Master’s degree in Epidemiology and PhD in Public Health from the Federal University of Bahia, Brazil. She is an Assistant Professor of Epidemiology in the Department of Preventive Medicine at the University of São Paulo Medical School. She is a research coordinator at the Center for the Study of Violence at the University of São Paulo (NEV/USP) from 2002 to 2010, and associate researcher at NEV/USP since 2010. Since 2013, she is the head of the WHO Collaborating Centre for Research on Violence and Violence Prevention in São Paulo, Brazil. Since the beginning of her career, she has been interested in the connections between violence and health, especially the social determinants of homicide death, the distribution of the risk of homicide and the consequences of high levels of interpersonal violence in neighborhoods to the delivery of health care.
Maria Gabriela Araújo Diniz

Maria Gabriela graduated from the Federal University of Minas Gerais with a Bachelor's in Law in 2006 and in Languages in 2012, received a Master's Degree in International Relations from the Pontifical Catholic University of Minas Gerais in 2011 and is currently pursuing a Doctoral degree in Human Rights at the University of São Paulo. Her research focuses on how democratic participation occurs in the elaboration of international health law. Since 2010, she has been working at the School of Public Health of the State of Minas Gerais, where she coordinates a specialization on Health Law and participates in research on legalization of health in the state of Minas Gerais.

Mariam Jalloul

Mariam H. Jalloul is a second-year student at Harvard College. She is concentrating in Sociology with a secondary in Global Health and Health Policy. She writes for The Harvard Crimson newspaper as an opinion/editorial columnist, and is also a representative for the Harvard Undergraduate Council where she serves on the Harvard University Health Services College Committee. She volunteers at the Codman Square Health Center as a member of Health Leads, a health program that champions quality care and living conditions for all patients, where she connects patients with resources and services that they need. After graduation, she hopes to pursue a Master’s degree in Public Health in the department of Health Policy and Management. She is passionate about becoming a health care leader who works to improve health and health care in America, from eliminating health disparities to enhancing the performance of health care systems.

Marina de Moura

Marina de Moura joined the Brazil Office of Harvard University’s David Rockefeller Center for Latin American Studies in 2006. She is experienced in student advising, event organization and scholarship application administration. Among her responsibilities, Marina provides advice to Harvard students and helps organize and execute the Brazil Summer Internship Program, Public Policy Immersion Program and collaborative courses involving students from Brazil and from Harvard. Marina has completed her Master's degree in Social Psychology from the Pontifical Catholic University of São Paulo in 2007 and her PhD in Education, Arts, and History of Culture in 2012 from Mackenzie Presbyterian University.
Mary E. Wilson
mewilson@hsph.harvard.edu
Adjunct Associate Professor in the Department of Global Health and Population
Harvard School of Public Health (HSPH)

Mary E. Wilson is Adjunct Associate Professor in the Department of Global Health and Population at
the Harvard School of Public Health. Professor Wilson co-edited, with Richard Levins and Andrew
Spielman, Disease in Evolution: Global Changes and Emergence of Infectious Diseases, a book based
on a multidisciplinary workshop on emerging diseases held at Woods Hole in 1993 (New York
Academy of Sciences, 1994). She is author of A World Guide to Infections: Diseases, Distribution,
Diagnosis (Oxford, 1991). Formerly Chief of Infectious Diseases at Mount Auburn Hospital in
Cambridge and a member of the GeoSentinel Surveillance Network, she is interested in the geography
of infectious diseases and the ways population size, location, density, mobility, and vulnerability as
well as environmental changes influence patterns of infectious diseases. Professor Wilson has also
studied infections in travelers and immigrants and the role of migration and trade in the appearance
and spread of infectious diseases. Other interests include tuberculosis, dengue, and use of vaccines.
Prof. Wilson was a founding faculty lead of the HSPH-Brazil Collaborative Public Health Field
Course, organized since January 2007 by the DRCLAS Brazil Office.

Mauricio Diament
mauricio.diament@gmail.com
Psychiatry Resident
Psychiatry Institute, University of São Paulo (USP)

Mauricio received a degree in business in 2004 from School of Business and Economics at the
University of São Paulo (FEA-USP) and a degree in medicine in 2010 from the School of Medical
Science of Santa Casa of São Paulo (FCMSCSP). After graduating, he spent a year serving as a doctor
for the Amazon region, treating mainly the population who lives by the rivers under economic and
social restraints. Now, Mauricio is a second year psychiatry resident at the Psychiatry Institute of the
University of São Paulo and has interests in prevention, social vulnerabilities, social networks, and
mental health and public health systems development.

Megan Diamond
mbd976@mail.harvard.edu
Master’s Student
Harvard School of Public Health (HSPH)

Megan Diamond is Masters of Science candidate in the Epidemiology Department at the Harvard
School of Public Health. She received a Bachelor degree in Sociology with a concentration in
Molecular and Cellular Biology at The University of Illinois Urbana Champaign in 2011. During her
time at The University of Illinois, Megan worked with The Mali Water Project, helping to select and
test a water filtration system to be implemented in a remote village in Mali. After graduating, Megan
spent the next two years primarily working in the non-for-profit sector in Washington D.C., examining
the negative health outcomes of veterans and active duty personnel after they return from deployment.
She also did an internship at The Henry L. Stimson Center, a global security think-tank, where she
performed research as part of the Global Health Security Department.
Melina Mendonça
mel_mendonca@hotmail.com
Psychiatry Resident
School of Medical Sciences, Santa Casa de São Paulo (FCMSCSP)

Melina Mendonça is currently in the last year of the residency in Psychiatry at the School of Medical Science of Santa Casa of São Paulo. She was born in São Paulo and studied medicine at the School of Medical Sciences of Santa Casa of São Paulo. Since graduation, she is especially interested in health policies focused on mental health. Next year she plans to work with primary health care and forensic psychiatry, and in addition, she wants to apply for a Master's degree. She believes that the Collaborative Public Health Course will improve her skills for planning new projects and expand her network for future research and academic studies.

Chuka Esiobu is a sophomore at Harvard College, concentrating in Neurobiology and declaring a secondary in either Global Health and Health Policy (GHHP) or Economics. In the future he has plans of pursuing a career at the nexus of entrepreneurship, healthcare policy and international development. On campus he writes for the Health Policy Review, co-directs a Phillip Brooks House Association (PBHA) mentorship program and is Chief Education Officer of the Harvard Africa Business and Investment Club (HABIC). His previous global health experience involved conducting malaria research through the Harvard Global Health Institute (HGHI) in Dakar, Senegal. Chuka is very excited for his upcoming experience in Brazil.

Osias Rangel
osas@sucren.sp.gov.br
Superintendence of Endemic Disease Control,
São Paulo Department of Health

Osias Rangel graduated with a degree in Biological Sciences from the Catholic University of Campinas (1990) and a Ph.D. in Public Health from the University of Campinas (2004). He has have a specialization in Public Health from the University of Campinas (1999) and an improvement in Biology and Identification of Culicidae with importance in Public Health from University of São Paulo - School of Public Health (1991). He is currently working in the Superintendence of Endemic Disease Control, Department of Health of São Paulo. Rangel has experience in the area of Ecology acting on the following subjects: Zoonosis, Epidemiological Surveillance, and Arthropod Vectors.
Pablo Kokay Valente is a medical resident in infectology at Emílio Ribas Infectious Diseases Institute in São Paulo, Brazil. He was born in Brasilia, where he graduated with a degree in Medicine from the University of Brasilia. Since he was a student, he has been interested in working with poor and excluded people and understands that the Brazilian public health system, SUS, is a major conquest of its people, so he is dedicated in its development and consolidation. He believes that public health policies are just as important as his everyday medical practice, so he has been involved in social struggle for the right to health for all, and participated as a city health counselor in Brasilia in 2008 and 2009, as well as defended medical students’ and residents’ interests since 2007. At the Emilio Ribas Institute, he studies and works mainly with HIV-positive people, especially those in socially vulnerable situations, but also with other infectious diseases patients.

Panji Hadisoemarto, MD, MPH, is a doctoral candidate at the Department of Global Health and Population, HSPH. In addition to his role with HSPH, Panji is also a faculty member of Padjadjaran University School of Medicine in Bandung, Indonesia. He has worked with the US Naval Research Unit 2 in Indonesia, and coordinated two large studies on dengue hemorrhagic fever in the city of Bandung. Currently, he is a recipient of the HSPH Presidential Scholarship and the Paci Family Fellow. His recent study explored the acceptance and willingness-to-pay for a future dengue vaccine in Indonesia. Currently he is working on a mathematical model that will gauge how a vaccine program can be developed alongside with other control methods to obtain the maximum impact for controlling dengue.

Paulo A. Lotufo received a Medical Degree (1980) and a title of Doctor of Public Health from the University of Sao Paulo, Brazil. He is a board certified internal medicine physician since 1983. He was a visiting scientist at Brigham and Women’s Hospital (Division of Preventive Medicine) from 1997 to 1999. Nowadays, he is Professor of General Internal Medicine at University of Sao Paulo. Dr Lotufo’s research focus is on cardiovascular epidemiology. He is working since 1990 in this field, first with mortality data and since 2006, as the Principal Investigator of a cohort of 15,105 civil servants with support of the Ministry of Health involving other five Brazilian universities called The Brazilian Longitudinal Study of Adult Health (ELSA-Brazil). Since 2012, he is the Director of the Center for Clinical and Epidemiologic Research of the University of Sao Paulo.
Paulo Saldiva is Professor of Pulmonary Pathology and Chair of the Department of Pathology at the Universidade de São Paulo Medical School (FMUSP). He is Chair of the Laboratory of Experimental Air Pollution and of the Research Commission at FMUSP and a Member of the Science Advisory Committee, Harvard/EPA PM Center at the Harvard School of Public Health (HSPH). Saldiva’s research interests include pulmonary pathology and air pollution related diseases. The main objective of Saldiva’s work in air pollution and human health at the USP is to demonstrate the evidence that relates air pollution to human health, considering two main types of pollutants: particulate matter and ozone. All the inhabitants of large urban centers inhale particles of pollutants present in the atmosphere. Several groups from different countries have found associations between particulate matter contents and hospital admissions, mainly from events related to respiratory and cardiovascular diseases, and also it has been found that the chronic exposure has a role in the reduction of life expectancy. Saldiva’s group of the FMUSP in São Paulo has been dedicated to this kind of study, accumulating experience in demonstrating adverse health effects due to environmental exposure to particulate matter. Professor Saldiva earned his PhD in Pathology (1983) and his MD (1977) from the Universidade de São Paulo (USP).

Pedro de Cristo is a concept designer and architect focused on the integration of research, design and development of policy, space and technology interactions. His work concentrates on the fields of Design, Urban Sustainability and Education, especially in informal settlements in the majority world. He is currently a co-founder and partner at +D and the director of Parque Sitie @ Favela do Vidigal. He was also a concept designer of the School for Year 2030@Rio de Janeiro project, the Rio 2016 Summer Olympics Educational Legacy and the founder of the UN awarded Cidade Unida social movement and Operation Respect sustainability public program. Pedro is from the state of Paraiba, Brazil, graduated from Harvard University's Master in Public Policy program '11 and believes that only with representative and high performing public education and political participation there can be a realized democracy.
Princess Daisy Akita
pdakita@college.harvard.edu
Undergraduate Student, Class of 2015
Harvard College

Princess Daisy is a junior in Harvard College concentrating in Applied Mathematics and Global Health. On campus, Daisy splits her time between leading the Harvard African Students Association (HASA), and volunteering through the Phillips Brooks House Association (PBHA). She enjoys singing and dancing with various campus groups, and is an avid runner. Daisy’s academic interests include mental health and infectious diseases; she has pursued various public health initiatives in her time at Harvard. She spent a summer volunteering in Arusha, Tanzania on an HIV/AIDS awareness project, and also worked at a TB&HIV Clinic in a teaching hospital in Kumasi, Ghana. She has thoroughly enjoyed working with organizations like UNICEF Ghana and ZanAfrica in Kenya. Her long-term career goals involve completing a JD-MBA or JD-MPH and applying her knowledge to solve some of the continent’s most daunting challenges. She is excited to be adding a new dimension to her Global Health repertoire through this trip to Brazil.

Ricardo Paes de Barros
ricardo.barros@presidencia.gov.br
Undersecretary of Strategic Actions
Secretariat of Strategic Affairs – Presidency of the Republic of Brazil

Ricardo Paes de Barros has a postdoctoral degree from the International Growth Center of Yale University (1989), and a postdoctoral degree from the Economic Center of University of Chicago (1988). He earned his PhD in Economics from the University of Chicago (1987). He was the director of Social Studies at IPEA (Rio de Janeiro), an assistant professor of Economics at the International Growth Center of Yale University, and a member of the Council of Latin American Studies at Yale University. He has won several awards: the Haralambos Simeonidis prize in 2000 during the 28th National Meeting of Economics, in Campinas, in the category of articles: "The slippery slope: explaining the increase in extreme poverty in urban Brazil, 1976-1996"; the Mário Henrique Simonsen prize in 2000 by Getúlio Vargas Foundation’s Brazilian Economy Magazine (Rio de Janeiro) with the article: "The public-private wage gap in Brazil"; the Haralambos Simeonidis prize in 1995, at the 23rd National Meeting of Economy in Salvador, in the category of articles: "The evolution of welfare, poverty and inequality in Brazil over the last three decades: 1960-1990"; and the TWAS Prize - Celso Furtado, social science, in 2012. Currently, he is the undersecretary of Strategic Actions at the Secretariat of Strategic Affairs - Presidency of the Republic of Brazil.

Roseli Antonia Santo
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Secretary – Graduate Program in Infectious Diseases
University of São Paulo Medical School (FMUSP)

Roseli graduated with a Bachelor's degree in Business Administration before joining the University of São Paulo Medical School in 1985 as an administrative assistant in the Academic Health Center of Clínicas Hospital. Since 2001, Roseli has acted as secretary for the Graduate Program in Infectious Diseases at the University of São Paulo Medical School.
Sarah MacDonald  
scm399@mail.harvard.edu  
Master's Student  
Harvard School of Public Health (HSPH)

Sarah graduated from the University of British Columbia (UBC) in May of 2013 with a Bachelor of Science in Psychology. At UBC Sarah was a co-investigator on a series of studies examining the role of blur and clarity in photographs on viewers’ eye gaze and perceptions. While fascinated with psychology, Sarah had stronger interest in epidemiological research, specifically in the area of pregnancy and birth outcomes. In the summer of 2012 Sarah was awarded a Child & Family Research Institute (CFRI) Summer Studentship to conduct research relating to maternal and child health epidemiology. At CFRI Sarah was involved in projects linking data of partner-perpetrated homicide victims; identifying preterm fetal monitoring standards; and evaluating oxygen levels in growth-restricted fetuses. At HSPH Sarah is hoping to further her research in the field of perinatal epidemiology.

Sergio Funari  
funari.sergio@gmail.com  
PhD Candidate  
School of Medical Sciences, Santa Casa de São Paulo (FCMSCSP)

Sergio Funari is a doctoral student in the Department of Social Medicine of the School of Medical Sciences of Santa Casa of São Paulo. His area of study is HPV transmission issues among men who have sex with men (MSM). Since 1992, he has been involved in HIV clinical assistance and prevention programs focusing on vulnerable populations at the Emílio Ribas Institute of Infectious Diseases. His research interests include the epidemiology and risk perception and prevention of the HIV/AIDS epidemic and other sexually transmitted diseases. He received a degree from the University of São Paulo Dental School and a Master of Sciences in Public Health, focusing on risk perception on oral sex practices among MSM from the Institute of Health of the São Paulo State Department of Health.

Thaís Macedo Bezerra Terceiro Jorge  
tmt445@mail.harvard.edu  
Master’s Student  
Harvard School of Public Health (HSPH)

Thaís Terceiro Jorge hails from Fortaleza, Brazil. She was a double major in Chemistry and Biology at MIT, and is currently pursuing her Master’s in Environmental Epidemiology at the Harvard School of Public Health. Thaís has lived and worked in six different countries and is avid for traveling and learning new languages. As an undergrad, she worked in leading European and American universities doing research in breast cancer metastasis, tuberculosis and cellular imaging. Additionally, she designed and implemented a project to study health expectations of illegal Brazilian immigrants in the Boston area. Thaís has extensive teaching experience as a teaching assistant and tutor in MIT and Harvard. This summer, she worked at the World Health Organization in Geneva where she led efforts to develop case studies on drinking water supply systems in Southern Asia. She is currently carrying out evaluation of health policy initiatives and epidemiology studies on wastewater reclamation in Mexico City and the accompanying public health, environmental, social and economic risks.
Virgie Fields
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Master’s Student
Harvard School of Public Health (HSPH)

Born and raised in southern Virginia, Virgie Fields has always been interested in health and science. She recently received a Bachelor's of Science degree in Biomedical Engineering from Virginia Commonwealth University. As an undergrad, she worked on a biomedical research project in a stem cell laboratory for three years. After graduation, she worked as a Program Liaison for a high school summer program that gave advanced students the opportunity to explore life sciences and medicine through a systems-based, problem solving approach. Currently, she is a Master’s of Science degree candidate, with a concentration in Epidemiology, at the Harvard School of Public Health. Her particular interests include infectious diseases, specifically in mathematical modeling and disease transmission. Brazil will be her first trip abroad, and she is looking forward to the new experience.
EMERGENCY CONTACTS

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The local area code in São Paulo is 11. If you call any local phone number you do not need to dial an area code.

International SOS from Brazil: 0021-1-215-942-8226  
Police (Polícia): 190  
Fire (Bombeiros): 193

For international collect calls and operator-assisted calls from Brazil: 0800 703 21 21

United States Consulate General in São Paulo

Working Hours: 7:30 to 4:30 PM  
Telephone numbers: Emergency Line - (11) 3250-5000  
E-mail: SaoPauloACS@state.gov
## COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon Jan 6</td>
<td>8:45 am - 10:30 am</td>
<td>Site familiarization student and faculty and students</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>10:30 am - 11:00 am</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>11:00 am - 12:15 pm</td>
<td>Lecture #1: Building Background: Health System and Family Planning Program (Fernando Costa)</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>12:15 pm - 12:45 pm</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>12:45 pm - 2:00 pm</td>
<td>Lunch</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>2:00 pm - 2:30 pm</td>
<td>Lecture #2: Building Background: Health System and Family Planning Program (Fernando Costa)</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>2:30 pm - 3:45 pm</td>
<td>Lunch</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>3:45 pm - 4:15 pm</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>4:15 pm - 6:00 pm</td>
<td>Information session prior to site visits (Maria Amelia)</td>
</tr>
<tr>
<td>Mon Jan 6</td>
<td>6:00 pm</td>
<td>Opening dinner * Restaurant (BA)</td>
</tr>
<tr>
<td>Tues Jan 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wed Jan 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thurs Jan 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fri Jan 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sat Jan 11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sun Jan 12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Note: *Flexible time available for activities.
### WEEK 2

<table>
<thead>
<tr>
<th>Mon Jan 13</th>
<th>Tues Jan 14</th>
<th>Wed Jan 15</th>
<th>Thurs Jan 16</th>
<th>Fri Jan 17</th>
<th>Sat Jan 18</th>
<th>Sun Jan 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45 am - 5:45 pm</td>
<td>Projects</td>
<td>Projects</td>
<td>Projects</td>
<td>Projects</td>
<td>Projects Local presentations (as appropriate)</td>
<td>Optional group leisure Vai-Vai Feijoada &amp; samba</td>
</tr>
<tr>
<td>Evening</td>
<td>Flexible time</td>
<td>Flexible time</td>
<td>Flexible time</td>
<td>Flexible time</td>
<td>Flexible time</td>
<td>Flexible time</td>
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</tbody>
</table>

### WEEK 3

<table>
<thead>
<tr>
<th>Mon Jan 20</th>
<th>Tues Jan 21</th>
<th>Wed Jan 22</th>
<th>Jan 23-24 - Symposium</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45 am - 10:00 am</td>
<td>Finalize presentations and projects</td>
<td>Presentation 1</td>
<td>Course evaluations</td>
</tr>
<tr>
<td>10:00 am - 11:15 am</td>
<td></td>
<td>Presentation 2</td>
<td>10:00: Closing program (Short presentations + Certificates)</td>
</tr>
<tr>
<td>11:15 am - 11:45 am (BREAK)</td>
<td></td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>11:45 am - 1:00 pm</td>
<td></td>
<td>Presentation 3</td>
<td></td>
</tr>
<tr>
<td>1:00 pm - 2:00 pm (LUNCH)</td>
<td></td>
<td>Lunch</td>
<td>Lunch (noon-2pm)</td>
</tr>
<tr>
<td>2:00 pm - 3:30 pm</td>
<td></td>
<td>Presentation 4</td>
<td>Conclusion of written version of projects</td>
</tr>
<tr>
<td>3:30 pm - 5:00 pm</td>
<td></td>
<td>Presentation 5</td>
<td></td>
</tr>
<tr>
<td>Evening</td>
<td>Flexible time</td>
<td>Group party</td>
<td>Flexible time</td>
</tr>
</tbody>
</table>

**FOCUSING ON HEALTH IN MEGACITIES**

SEE COMPLETE SCHEDULE AT THE END OF THIS MATERIAL
# Health Challenges in Megacities

## 2014 Harvard – Brazil Collaborative Public Health Field Course

Special Symposium, January 23-24

### January 23

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45am – 9:00am</td>
<td>Introduction</td>
</tr>
</tbody>
</table>
| 9:00am – 10:00am | Challenges and opportunities of Megacities  
Eduardo Marques |
| 10:00am – 11:00pm | Health in the Megacity I: Drugs  
Francisco I. Bastos |
| 11:00am – 11:30am | Coffee break                                                                                     |
| 11:30am – 12:30am | Health in the Megacity II: Violence  
Maria Fernanda Tourinho Peres |
| 12:30am – 2:00pm | Lunch                                                                                           |
| 2:00pm – 3:00pm | Health in the Megacity III: Air and water pollution  
Paulo Saldiva |
| 3:00pm – 4:00pm | Health in the Megacity IV: Life style and NCDs  
Paulo Lotufo |
| 4:00pm – 4:30pm | Coffee break                                                                                     |
| 4:30pm – 5:30pm | Health in the Megacity V: Vulnerable populations  
Manoel Ribeiro |

### January 24

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45am – 9:00am</td>
<td>Recap of day 1</td>
</tr>
<tr>
<td>9:00am – 10:00am</td>
<td>José de Filippi Junior, Municipal Secretary for Health, São Paulo</td>
</tr>
<tr>
<td>10:00am – 11:00pm</td>
<td>Pedro Henrique de Cristo, Partner/Co-Founder of +D // Design with Purpose</td>
</tr>
<tr>
<td>11:00am – 11:30am</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11:30am – 12:30am</td>
<td>Open Discussion</td>
</tr>
<tr>
<td>12:30am – 12:45am</td>
<td>Conclusion</td>
</tr>
<tr>
<td>12:45am – 2:00pm</td>
<td>Lunch</td>
</tr>
</tbody>
</table>