



Program for Global and Population Health

Columbia University
College of Physicians and Surgeons

Summer 2018 Application

Name:	UNI:	Application Date:
School:	Department:	
Concentration:	Graduation Date:	

Please indicate in order of preference which Program for Global and Population Health summer site you are applying to. Indicate your preference by ranking the choices below from 1 to 3 in the boxes below (1 indicating the most interest).

Deadline: Friday, January 5th, 5:00pm

Global is Local- Domestic Programs (Please complete Appendix A)

Program Dates: June 19-August 11, 2018

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Dígame Summer Spanish Immersion Program in Washington Heights

- 2018 Activities: Morning medical Spanish classes and afternoon placements focused on a service-based or research project
- Stipend: This program is of no cost to the student (Valued at \$5,000)
- Language Requirement: Beginner-intermediate

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Ni Hao, Columbia! Summer Chinese Immersion Program in Chinatown, Brooklyn and Queens

- 2018 Activities: Morning medical Chinese classes and afternoon placements focused on a service-based or research project
- Stipend: This program is of no cost to the student (Valued at \$5,000)
- Language Requirement: Intermediate Mandarin

Projects Abroad- International Programs

Program Dates: Tentatively Scheduled for June 10-August 03, 2018

Haiti

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Hôpital Albert Schweitzer- Deschapelles

HAS is an integrated health care system that provides hospital treatment, public health, and development programs for the medically underserved people of the Artibonite Valley, Haiti

- 2018 Activities: Working with the monitoring & evaluation department on assessing quality of data collection at HAS
- Spots Available: 3 total
- Stipend: ~\$3,000(approximate)
- Language Requirement: Proficient in French or Haitian Creole

Dominican Republic

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Summer Internship Program - Clínica de Familia La Romana

CFLR is a community health organization that provides medical and psychological attention to people with HIV, sex workers, adolescents, and other highly vulnerable populations

- 2018 Activities:
 - A Longitudinal Cohort Study of Mother-to-Baby Zika Virus Transmission
 - Monitoring and evaluation of immunologic and virologic failure of clients on HIV Antiretroviral therapy
 - EPIC/STI study of whether participation, testing, and treatment of STIs in the EPIC study affected participants' risk behaviors and health literacy
- Spots Available: 5 total
- Stipend: ~\$3,000(approximate)
- Language Requirement: Intermediate-advance Spanish



Research Project at IDCP – Santo Domingo

IDCP provides integrated services specialized in dermatology, mycology, leprosy, and sexually transmitted disease.

- 2018 Activities: Continuing work on the EPIC/STI Study of the prevalence of Sexually Transmitted Infections Among Sex Workers in Santo Domingo, Dominican Republic
- Spots Available: 2-3 total
- Stipend: ~\$3,000 (approximate)
- Language Requirement: Intermediate Spanish



Global Pop/Mailman DRX Program - Santo Domingo

- 2018 Activities: Program based projects around Monitoring and Evaluation, Research Protocol on Malnutrition, Human Rights of Youth, History of Sex Workers, Health Education, Contraceptive Utilization, Cancer Prevention Education, Quantitative and Qualitative Data Analysis
- Spots Available: 1-2 total
- Stipend: ~\$3,000 (approximate)
- Language Requirement: Intermediate Spanish



Global Pop /Mailman DRX Program - Santiago

- 2018 Activities: Intensive Spanish Classes, Cultural Activities and Community Medicine Lectures & program based projects with Diabetes, Health Education, community needs assessment, health of street children, elder health issues, services for blind individuals, etc.
- Spots Available: 1-2 total
- Stipend: ~\$3,000 (approximate)
- Language Requirement: Intermediate Spanish



Spanish Classes and Cultural Immersion - Santiago

- 2018 Activities: Intensive Spanish Classes, Cultural Activities, and Clinical Shadowing
- Spots Available: 2-3 total
- Stipend: ~\$3,000 (approximate)



Niños Primeros en Salud - Consuelo

- 2018 Activities:
 - Anemia research study with Children's Hospital of Philadelphia (CHOP) of a randomized control trial comparing cooking with iron ingots versus oral iron supplementation on biomarkers related to iron deficiency over time among children 1-5 years
 - Anemia research study providing mothers of infants with iron ingots for cooking and assess biomarkers of anemia in their infants
- Spots Available: 1 total
- Stipend: ~\$3,000 (approximate)
- Language Requirement: Intermediate-advanced Spanish

Anatomy/Pathology Research Lab Exchange Program



Basic science summer internships in research labs as part of the “Skype Project” within the Anatomy/Pathology department and its international student exchange program

- 2018 research lab locations: Finland, Germany, Japan, Canada, Taiwan
- Spots Available: 6 total
- Stipend: ~\$3,000 (approximate)

South Africa



Summer Research Project, University of KwaZulu Natal- Durban

- 2018 Activities: Monitor and evaluate quality improvement intervention for viral load monitoring of HIV + patients in the Department of Pediatrics, University of Kwazulu Natal, King Edward VIII Hospital
- Spots Available: 1 total
- Stipend: ~\$4,000 (approximate)



Summer Research, CAPRISA-Durban

- 2018 Activities: Randomized controlled trial of an intervention to improve adherence to Bedaquiline (a new second-line TB drug) in patients with drug-resistant TB and HIV in Durban working with CAPRISA
- Spots Available: 1 total
- Stipend: ~\$4,000 (approximate)



Summer Research, University of Cape Town Medical School- Cape Town

- 2018 Activities: Conducting research at the University of Cape Town Medical School studying antimicrobial resistance and presenting the research at a conference on anti-microbial resistance covering Uganda, Tanzania and Kenya (with Comparison to South Africa and Namibia) held at the Columbia Global Center in Nairobi, Kenya
- Spots Available: 2 total
- Stipend: ~\$4,000 (approximate)

Uganda

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Uganda Virus Institute – Entebbe

- 2018 Activities: Ongoing prospective study of severe acute febrile illness working with Uganda Virus Institute with aims that include clinical, pathogen sequencing and host immunology
- Spots Available: 1 total
- Stipend: ~\$4,000 (approximate)

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Summer Research Project, Makerere University – Kampala

Uganda's largest and third-oldest institution for higher learning

- 2018 Activities:
 - Studying sickle cell, sickle cell neurologic, and adolescent health
 - Studying oral health practices
 - Conducting research on antimicrobial resistance and presenting the research at a conference on anti-microbial resistance covering Uganda, Tanzania and Kenya (with Comparison to South Africa and Namibia) held at the Columbia Global Center in Nairobi, Kenya
- Spots Available: 3 total
- Stipend: ~\$4,000 (approximate)

Global Mental Health Program

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Participate in global mental health research in the areas of diagnosis, culture and psychopathology, and health services delivery. 2017 projects were in South Africa & Brazil.

- Spots Available: 2 total
- Stipend: ~\$4,000 (approximate)

Kenya

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Nyumbani Village - Kitui

Nyumbani Village is a home-based care facility for children afflicted with or affected by HIV

- 2018 Activities: Needs assessment at Nyumbani Village, Kitui Kenya
- Spots available: 3 spots total
- Stipend: ~\$4,000 (approximate)

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Oral Health Initiative - Nairobi

The goal is to use collaborative methods to develop awareness around oral health and oral health needs as well as build capacity for future interventions.

- 2018 Activities: Oral Health Research at University of Nairobi
- Spots available: 1-2 spots total
- Stipend: ~\$4,000 (approximate)

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Research and Rotations - Nairobi

- 2018 Activities:
 - Research and Rotations in Aga Khan Hospital
 - Research and Rotations in Moi Teaching Hospital
- Spots available: 2-3 spots total
- Stipend: ~\$4,000 (approximate)

Botswana

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Princes Marina Hospital - Gabarone

- 2018 Activities: HIV and women's reproductive research at the Princess Marina Hospital
- Spots available: 1-2 spots total
- Stipend: ~\$4,000 (approximate)

TBM Kids—India/Malawi

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- 2018 Activities: Optimizing treatment to improve TB outcomes in children (TBM-KIDS). This project is being conducted in India and Malawi. Students will work with a large team to recruit patients and help develop a substudy evaluating CSF diagnostics in acute encephalitis syndrome.
- Spots available: 1 spots total
- Stipend: ~\$4,000 (approximate)

Design your Own Project (Please complete Appendix B)

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Design-Your-Own Project

- Global Pop will consider funding well developed research proposals linking NY immigrant health to international settings. Detailed description of project, CU mentor, on-site supervisor, organization, location, and a letter of agreement from mentor. **See Appendix B for more details & requirements**
- Spots available: 2 spots total
- Stipend: ~\$5,000 (approximate)
- **Preferred Dates:** _____ to _____

Language Proficiency

Using the criteria below, rate your language proficiency by marking the appropriate box:

Reminder: The following sites have a language requirement: Dominican Republic, Haiti, Ni Hao, and Dígame. Where language is required we will be conducting screening interviews.

Language	Fluent	Conversant	Intermediate	Beginner
English				
Spanish				
Portuguese				
Haitian Creole				
French				
Chinese (Indicate dialect): _____				
Other (Indicate): _____				

LANGUAGE PROFICIENCY CRITERIA: Fluent: native speaker or very advanced non-native speaker; can take a medical history and understand everything a patient and relatives say; can give a lecture on a familiar subject in the language, as easily as in your native language; can write a report with correct grammar. Conversant: can understand much of what's going on, but would not be able to give a lecture without practice; can communicate, administer questionnaires, and instruct patients on taking medicines; can write notes in Spanish, fill out forms. Intermediate: can order food and get around, but help is needed in detailed communication, such as comforting a family member, following guidelines in the non-native language, or participating in a meeting; can follow an adult conversation much of the time. Beginner: can form some sentences and understand simple comments or commands; an interpreter is needed for most interactions.

Personal Information

Institutional Email:	Personal E-mail:
Age:	Citizenship:
Current Address:	
Phone # (home/cell):	Phone # (work):
Skype Username:	Gender:
Have you had any previous global health experience? If yes, please list location and the duration of time spent abroad: _____ months	

Resume / CV

Please include an updated version of your resume as part of this application.

Brief Statement of Interest

Please write and attach a single-spaced statement of **400-600 words** on why you are applying to this program. You should include any special areas of interest that you would like to pursue, additional skills and experiences that you may want to highlight.

Examples of topics you may want to cover:

- Any prior international or domestic experience in a resource-limited setting?
- Professional and personal goals (do they primarily relate to research, clinical skills, or language/culture acquisition)?
- What is your experience with Spanish (or other pertinent) language and culture?

Application Instructions

Your complete application should consist of the following components in ONE document:

- Completed Application
- Relevant Supplements A, B
- CV / Resume
- Statement of Interest

Please save the application and supporting documents in the following way:

- "Last Name, First Name_ Global Pop Application_2018," (E.g. Flores, Angela_Global Pop Application_2018)
- Application should be emailed to the Global Pop office: ifap@cumc.columbia.edu
- Deadline: Friday, **January 5th, 5:00pm**

Projects Abroad Deliverables

Students who are accepted and placed into a Global Pop Summer program will be required to:

- Return ALL paper work and liability forms prior to departure and expense reports upon return
- Attend the Pre-departure symposium in April
- Write a short capstone paper of your summer research (independent study course)
- Develop, purchase and present a conference-style poster at the 2018 Summer Projects Symposium, held in September 2018 (estimated cost of a poster is \$50)
- Highly recommended to attend Research Methods in Global and Population Health GLHL M7207 (Course begins end of February); Application to enroll in course is due Feb. 12

Supplement A – Global is Local Programs

Program Overview:

***Dígame* Summer Spanish Immersion Program in Washington Heights**

Students in the Dígame program spend weekday mornings in Spanish language class, weekday afternoons in a project placement, and participate in a weekly cultural activities. Practical use of the Spanish language and cultural competency skills will be a core component of project placements. Global Pop will match you with available projects in a clinical, research or community based setting. Students are free to arrange their own placements, as long as there is a strong Spanish language or cultural competency component. Dígame staff will be responsible for approving these individual placements and providing supervision to the student throughout the summer.

***Ni Hao, Columbia!* Summer Chinese Immersion Program in Chinatown, Brooklyn and Queens**

Students in the Ni Hao, Columbia! program spend one weekday morning in Mandarin language class, 3 days per week in a project placement, and participate in a weekly cultural activity. Practical use of Mandarin and cultural competency skills will be a core component of project placements. Global Pop will match you with available projects in a clinical, research or community based setting. Students are free to arrange their own placements, as long as there is a strong Chinese language or cultural competency component. Ni Hao, Columbia! staff will be responsible for approving these individual placements and providing supervision to the student throughout the summer.

Please note: Students applying to Ni Hao, Columbia! must have an intermediate Mandarin language proficiency to be accepted in the program.

Summer Leaders:

Two leadership positions are available for the Dígame program, and two leadership positions are available for the Ni Hao, Columbia! program. One leader, and one assistant leader per program. Under the supervision of the Program Director, these students will play a vital role in organizing cultural activities for their classmates such as Spanish/Chinese language lunches, cinema club, book club, the final graduation ceremony, and other cultural activities. They will also participate in carrying out a program evaluation. Student Leaders will be expected to work around the month of March before, during and after the official program dates. Students are also expected to participate in the Dígame/Ni Hao program. The leaders will be paid in three installments: in March, upon completion of pre-summer tasks; before the program begins; and at the end of the program, pending completion of assigned work. Specific details will be provided during the initial interview for the position regarding the payment installments and expectations.

If you would like to apply to a *Dígame* or *Ni Hao* Leader position, please provide a 250 word Statement of interest, including any past experience in a leadership position:

The **student leader** positions are supported by the following prestigious scholarships:

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|--|---------------|
| ▪ <i>Stephanie Liem</i> Azar Community and Immigrant Health Leadership Scholarship | <u>\$5000</u> |
| ▪ <i>Jimmy Watts</i> Community and Immigrant Health Leadership Scholarship | <u>\$5000</u> |

The **student assistant leaders** are support by stipends of \$3,000

Global is Local Scholar Deliverables

Students who are accepted and placed into the Global is Local program will be required to:

- Return ALL paper work and liability forms prior to departure and expense reports upon return
- Attend the Pre-departure symposium in April
- Develop, purchase and present a conference-style poster at the end of July and again in September 2018 at the Global Pop's Summer Project Symposium (estimated cost of a poster is \$50)
- Write a short capstone paper (research or experiential) of your summer experience (independent study course)
- Highly recommended to attend the Research Methods in Global and Population Health GLHL M7207 (Course begins end of February); Application to enroll in course is due Feb. 12

Supplement B – Design-Your-Own Project

Project Proposal:

If you would like to design your own project and be considered for funding, please provide the following information in a 3-5 page single spaced proposal.

A. Project Details:

- **Name**
- **Project title**
- **Columbia University mentor name**
 - Must have a letter of agreement from proposed mentor agreeing to be your mentor
- **On-site supervisor's name**
- **Organization/program name**
 - Letter from the program confirming your work there
- **Country**
- **Location**

B. Project Description:

- **Significance.** Does the project address an important problem or a critical barrier to progress in the field? If the aims of the project are achieved, how will scientific knowledge, technical capability, and/or clinical practice be improved? How will successful completion of the aims change the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field?
- **Innovation.** Does the application challenge and seek to shift current research or clinical practice paradigms by utilizing novel theoretical concepts, approaches or methodologies, instrumentation, or interventions? Are the concepts, approaches or methodologies, instrumentation, or interventions novel to one field of research or novel in a broad sense? Is a refinement, improvement, or new application of theoretical concepts, approaches or methodologies, instrumentation, or interventions proposed?
- **Approach.** Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the specific aims of the project? Are potential problems, alternative strategies, and benchmarks for success presented? If the project is in the early stages of development, will the strategy establish feasibility and will particularly risky aspects be managed? If the project involves clinical research, are the plans for 1) protection of human subjects from research risks, and 2) inclusion of minorities and members of both sexes/genders, as well as the inclusion of children, justified in terms of the scientific goals and research strategy proposed?
- **Environment.** Will the scientific environment in which the work will be done contribute to the probability of success? Are the institutional support, equipment and other physical resources available to the investigators adequate for the project proposed? Will the project benefit from unique features of the scientific environment, subject populations, or collaborative arrangements?

C. Project Timeline:

- **Project start and end date**
- **Timeline of activities (i.e. project planning, IRB submission to CU, IRB submission in project location, data collection, analysis)**