

Summer 2020 Application

Name:	UNI:	Application Date:
School:	Department/Program:	
Concentration:		Class of:

This application contains **5** sections:

- 1. Application instructions
- 2. Research projects
- 3. Cross-cultural fluency and Educational projects
- 4. Language Proficiency (when applicable)
- 5. Design-your-own supplement (when applicable)

Please review all relevant sections carefully, as they include crucial information for your understanding of each program/project, requirements and important considerations prior to applying.

1) Application instructions

Summer projects at Global Pop are carried out at a variety of sites, abroad and in NYC, for 7-8 weeks. Selection to our summer programs is competitive and students must submit their Global Pop supplemental application **by Friday, January 3rd, 2020**.

<u>All applicants</u> must take part in our interview process in January/early February.

<u>Unless otherwise indicated under the requirements per site/project, the sites/projects listed on the application will consider taking students from VP&S, CDM, MSPH, IHN and CUSON</u>. Still, some sites may have a summer schedule more suitable to a particular group of students, and therefore, it is important to consult the contact/mentor for each site well in advance to understand what the possibilities are.

Details per site/project vary given that we are still early in the process, but the contact per site/project will be able to provide further detail.

<u>Please mark your preferences on the square text boxes to the left of each site/project. Rank</u> <u>a maximum of 3 choices</u>, with 1 being your top choice. If you are applying to options in the Research Projects section <u>AND</u> to options in the Cross-cultural Fluency section, your total choices marked on the text boxes must still be 3.

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



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- ✓ Completed Master Application (for VP&S students only) + Global Pop Application
- ✓ CV / Resume
- ✓ Statement of Interest (400-600 words include special areas of interest such as research, clinical, language, etc; relevant language, cultural and other experience relevant to the selected projects)
- ✓ Design-your-own project supplement (if applicable)

B. Your completed application and supporting documents should be saved and sent as follows:

- ✓ First Name Last Name Application 2020 (e.g. John Smith Application 2020)
- ✓ VP&S Students: Student Affairs channels your applications to us. Global POP applications must be submitted along with the MASTER application found on the VP&S Summer Opportunities Courseworks page, or will not be considered. Submit to Andrea Patterson (ap3278) with CC to PSGlobalPop@cumc.columbia.edu
- ✓ All other schools: send application found on our <u>webpage</u> to <u>PSGlobalPop@cumc.columbia.edu</u>
- ✓ Deadline (no exceptions): Friday, January 3rd, 2020, 5:00pm

COLUMBIA

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2) Research Projects

Summer Research projects at Global Pop are carried out mainly abroad, but also in NYC, for 7-8 weeks, between June 15 and August 7, on a full-time basis, and under the supervision of a Columbia University mentor. **Students must be in good academic standing at the time of selection**. **Travel to high-risk destinations as per** <u>ISOS Travel Risk Rating</u> is contingent on various approval levels.

Students will be provided a stipend depending on their site and availability of funds. Stipends aim to cover travel, lodging and food expenses, poster printing for the Fall Symposium as well as eventual coordination fees that may be charged by some host institutions.

Selected students must commit to returning all required forms, and must participate in:

- ✓ April 2020 Pre-summer Orientation
- ✓ Spring 2020 Research Methods in Global and Population Health course (GLHL 7207)
- ✓ August 2020 Abstract, Poster and Capstone Paper
- ✓ September 2020 Summer Projects Symposium and Poster Session¹

<u>Armenia</u>

Students can choose from various clinical and global health research projects

- Mentor: Kim Hekimian, PhD (kh2551@cumc.columbia.edu)
- Project activities: TBD
- Spots available: 2
- Weekly time commitment: Full time
- Stipend: \$3,000

<u>Bangladesh</u>

Praava Health - Dhaka (High-risk destination)

- Mentor: Lawrence Stanberry, MD, PhD (for more details on the program, contact Silvana Sinha, CEO of Praava health, at sqsinha@praavahealth.com).
- Project Activities: Track clinical outcomes for patients suffering from heart disease and diabetes who are signed up for Praava's annual membership plans; audit process maps for 20+ patient journeys to ensure excellent and consistent patient-centric experiences and efficient health care delivery across the Praava network; conduct ongoing global market assessment of innovations and healthcare technologies to date, and gather local needs assessment of Praava providers and patients regarding how Praava can integrate these concepts to leapfrog health care service delivery in Bangladesh
- Spots Available: 3 total
- Stipend: Cost of roundtrip airfare, food and local accommodation provided by Praava Health

Chile

Society and Health Research Center, Universidad Mayor - Santiago

Multiple projects: Cross-national life-course study of loneliness among older adults; Sedentarism and

¹ Successful and timely submission of the abstract, poster and capstone paper in the month of August will <u>also</u> translate into a pass/fail grade on the Independent Study in Global and Population Health course (GLHL 7208) for all VP&S students and for those students from other schools who which to register in this course. There is no other coursework associated with this <u>Fall</u> course. VP&S students earn 3 credits toward the MD/MS dual degree program in Biomedical Sciences through this course. Students from other schools may request 0-3 credits, via cross-registration.



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physical activity, a modern threat; The firearm epidemiology in Chile.

Site operated by the Office of Field Practice at MSPH- first point of contact to discuss project content, mentor and site logistics: Ana Jimenez-Bautista aj2168@cumc.columbia.edu

- Mentor(s): TBD
- Project activities: Public health research, program development or evaluation, health education, etc.
- Spots available: 2
- Weekly time commitment: Full time, weekdays. Some projects may include some weekends. •
- Stipend: \$3,000
- Other requirements: Spanish (level required varies from project to project). •
- Other useful information: Projects usually go from end of May/beginning of June to end of July/beginning of August (8-9 weeks), but the site can in principle accommodate VP&S students' schedule or offer a shorter stay. Local orientation, support with finding housing, group airport transfers, local seminar, local academic advisement, final presentation. Coordination fee \$350.

Dominican Republic

1) 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.

- CU Mentor: Silvia Cunto-Amesty, MD, MPH, MSEd (sc1242@cumc.columbia.edu) •
- Spots Available: 6 (2 per project) •
- Weekly Time commitment: Full time
- Stipend: \$3,000 •
- Coordination fee: \$500 for 7-8 weeks ٠
- Other requirements: Intermediate Spanish
- Other useful information: housing available at Casa International, run by the Clinic at a 700/month fee.

a. Gender-Based Violence Survey with Sex Workers

Project Activities: Students will administer a short questionnaire evaluating gender-based violence and violence in different spheres with approximately 50 participants. The qualitative component will consist of conducting five interviews with selected participants who report high levels of violence in the short questionnaire, who are not suffering from any mental health condition, and who are willing to talk about their experiences without fear.

b. Gender-Based Violence among Adolescents

Project Activities: Students working on this project will help measure the levels of violence experienced by teens in the province of La Romana. Students will help administer a brief questionnaire that assesses gender-based and other types of violence with approximately 40 participants both at MAMI and in the community. The qualitative component will consist of conducting five interviews with selected participants who report high levels of violence in the short questionnaire, who are not suffering from any mental health condition, and who are willing to talk about their experiences without fear.

c. Pediatric Nutrition Program Evaluation

Project Activities: Students will measure the efficacy of interventions; the approach of health promoters; overall impact in health and nutrition indicators on families and patients; recommendations and perceptions of nutrition packets and interventions; and longer-term follow-up and comparison to previous assessment results.



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2) Santiago

This site coordinated by the Global Pop Office jointly with an experienced local coordinator offers a combination of a language program in the morning and a rotation (3 students minimum) or project in the afternoons, with a number of institutions (agencies) focused on diabetes, health education, community needs assessment, health of street children, elder health issues, services for blind individuals, etc.

- Mentor: Silvia Cunto-Amesty, MD, MPH, MSEd (sc1242@cumc.columbia.edu)
- Spots Available: 2-4
- Stipend: \$3,000
- Coordination fee: 250 USD for 7-8 weeks
- Spanish Class: 2h daily for 8 weeks (360 USD) levels: according to student needs
- Home stays arranged by site coordinator, costing around 950\$ for the full stay (7-8 weeks)
- Requirements: beginner Spanish level needed if language class+ rotation; intermediate Spanish level needed if language class + project, with some degree of flexibility depending on the specific project
- Contact: Global Pop Office (psglobalpop@cumc.columbia.edu) and Silvia Cunto-Amesty

3) Universidad Autonoma de Santo Domingo - UASD and Various NGO's and Gvmt. - Santo Domingo

Site operated by the Office of Field Practice at MSPH- first point of contact to discuss project content, mentor and site logistics: Ana Jimenez-Bautista aj2168@cumc.columbia.edu

Multiple projects: Sexual health counseling program evaluation at Ministry of Health; Adolescent sexual education training for 'batey' (sugar-cane mill settlements) residents; Infographics development on the health impacts of climate change in the Dominican Republic

- Mentor(s): Various-TBD
- Project activities: Public health projects research, program development or evaluation, health education, etc.
- Spots available: 2
- Weekly time commitment: Full time Monday through Friday (depending on projects some weekends too).
- Stipend: \$3,000
- Other requirements: Spanish high intermediate proficiency
- Other useful information: Projects usually go from end of May/beginning of June to end of July/beginning of August (8-9 weeks), but the site can in principle accommodate VP&S students' schedule or offer a shorter stay. Site provides local orientation, support with finding housing, group airport transfers, local seminar, local academic advisement, final presentation.

<u>Ethiopia</u>

1) Tikur Anbessa Specialized Hospital (TASH) - Addis Ababa

A range of projects examining non-communicable lung disease in Ethiopia, including lung cancer, interstitial lung disease and critical illness are available

- Mentor(s): Neil Schluger, MD (ns311@cumc.columbia.edu)
- Project activities: TBD
- Spots available: 1
- Weekly time commitment: Full time
- Stipend: \$4,000



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2) Ministry of Health and Federal Hospitals - Addis Ababa

Health/research policy-related internship in Ministry of Health and other Ministerial agencies (FDA, Ethiopian Public Health Institute, Ethiopian Pharmaceutical and Supply Chain) or clinical research in any of the four federal hospitals.

- Mentor(s): Tsion Firew, MD, MPH (tf2368@cumc.columbia.edu)
- Project activities: TBD
- Spots available: 4
- Weekly time commitment: Full time
- Stipend: \$4,000

3) Ras Desta Hospital - Addis Ababa and Harkness Eye Institute - New York City

School Vision Screening in Ethiopia

- Mentor(s): Lisa Park, MD (lp2736@cumc.columbia.edu)
- Project activities: The student will accompany optometrists to primary schools in Addis Ababa and assist in vision screenings to identify school age children who have visual impairment and refer for eyeglasses or medical/surgical intervention if needed. Research objective: to collect data on the incidence and types of visual impairment in school age children and determine the effectiveness of school screening programs.
- Spots available: 1
- Weekly time commitment: Full time
- Stipend: \$4,000
- Other requirements: VP&S medical students who have completed their first year. Students must spend 4 weeks in the eye clinic to learn how to measure visual acuity, perform autorefraction and document a basic eye exam as well as how to enter data into a RedCap database.
- Other useful information: Assistance in arranging housing, food and local transportation will be handled by the NGO Vision Care, Ethiopia.

France

Hotel Dieu, Faculte Paris Descartes - Paris

Female Genital Mutilation presenting to a Paris Asylum Clinic: a case series

- Mentor(s): Jocelyn Brown, MD, MPH (jb58@cumc.columbia.edu)
- Project activities: Abstract data from medical charts
- Spots available: 1
- Weekly time commitment: Full time
- Stipend: \$4,000
- Other Requirements: Language requirement French. For VP&S and MSPH students only

Ghana

The Acute Care and Emergency Referral Systems (ACERS) Program, Ghana Health Service (GHS), Catholic Relief Services (CRS) - Tamale

Implementation Research program working under the direction of the Government of Ghana through the Ghana Health Service (GHS), CRS (prime) and our consortium in partnership with the University of Ghana RIPS program on the ACERS Emergency neonatal and obstetric care program.

- Mentor(s): Rachel Moresky, MD, MPH (rtm2102@cumc.columbia.edu)
- Project activities: Support capacity development activities across levels of the health system (focus areas may include supportive supervision, quality improvement for EmONC, tele-mentoring, appropriate emergency dispatch and referral, etc.); Support monitoring and evaluation of ACERS activities; Support multivariate analysis of survey data, organization and analysis of administrative data, qualitative analysis, and/or mixed methods analysis of integrated implementation research data; Assist with development and



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documentation of implementation strategies, protocols and lessons learned; Contribute to coordination and development of written documentation related to research results and support development of communication material for technical and/or non-technical audiences

- Spots available: 2-4 spots
- Weekly time commitment: Full time
- Stipend: \$4,000
- Other Requirements: Willingness to live and work in rural areas of Ghana. Flexibility, adaptability, and cultural humility. Experience with quantitative or qualitative software is desirable. Experience with writing and editing is desirable. Previous work experience in a low resource country is desirable. Students with completed coursework in health systems, program planning, survey design, investigative methods, research design, multivariate analysis, implementation research, and/or epidemiology will be prioritized (to be based on specific scope of work). MSPH and VP&S students are preferred.
- Other Useful Information: While securing housing and transport to study sites will be the students' responsibility, the ACERS team can provide assistance with identifying housing and transport options

<u>India</u>

BJGMC - Pune

Social determinants of Health Factors associated with poor Health Seeking Behavior in Pediatric Acute encephalitis syndrome.

- Mentor(s): Kiran Thakur, MD (ktt2115@cumc.columbia.edu)
- Project activities: TBD
- Spots available: 1-2
- Weekly time commitment: Full time
- Stipend: \$4,000
- Other requirements: Hindi preferred but not required. Preferable to have exposure/training in SDoH research and qualitative methods

<u>Lesotho</u>

Queen Mamohato Memorial Hospital - Maseru

Summer Research Projects at Queen Mamohato Memorial Hospital

- Mentor(s): Lawrence Stanberry, MD, PhD (lrs2155@cumc.columbia.edu) and Philip LaRussa, MD
- Project activities: TBD
- Spots available: 4
- Weekly time commitment: Full time
- Stipend: \$5,000
- Other requirements: For VP&S students only
- Other useful information: Housing provided by the site.

<u>Mexico</u>

1) Ministry of Health of Jalisco - Guadalajara (High-risk destination)

Enrollment in epidemiology, clinical investigation and public health issues.

- Mentor(s): TBD. For project/site info contact the Global Pop Office, Ariel Pablos-Mendez, MD, PhD (ap39@cumc.columbia.edu) **and** Alfonso Gutierrez Padilla at the Ministry of Health (j.alfonsogutierrez@gmail.com)
- Project activities: Clinical rounds, Public Health, Epidemiology
- Spots available: 2
- Time commitment: Full time
- Stipend: \$3,000
- Other requirements: English or Spanish-speaking students are accepted.



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2) Multiple sites - Mexico City

Folate and epidemiology of retinoblastoma and or early childhood development.

- Mentor(s): Manuela Orjuela-Grimm, MD, ScM (mao5@cumc.columbia.edu)
- Project activities: Data entry and data cleaning, preliminary data analysis
- Spots available: 1
- Time commitment: Full time, 8 weeks abroad
- Stipend: \$3,000
- Other requirements: Selected students could be IHN, MSPH, or VP&S. VP&S students must start to train with our team in NYC during the spring semester. For non-VP&S students, there's an additional requirement of working minimum additional 4 weeks in NYC for this project. Students need to have completed all rascal training in early spring so that they can be added to the project's protocols way in advance of traveling

U.S.A

1) Pfizer Vaccine Group, Pearl River, New York

- CU Mentors: Lawrence R. Stanberry, MD, PhD (lrs2155@cumc.columbia.edu) and Philip S. LaRussa, MD.
- Spots Available: TBD (minimum 2)
- Weekly Time commitment: Full time
- Stipend: \$4000 + \$500 travel stipend to Pearl River
- a. <u>How does pregnancy effect immune repertoires to bacterial and viral pathogens:</u> The students will use a combination mass spectroscopy, immunological assays and sequencing to generate immune profiles from vaccinated and non-vaccinated samples obtained from non-clinical and clinical studies to evaluate natural responses to pathogen exposure during pregnancy and how this differs in the context of vaccination.
- b. <u>How do serological assays support endpoint development for vaccine clinical studies?</u> The student will learn about virulence mechanisms for specific bacteria and contribute to the design and development of assays to measure immune responses that provide an indication that a target vaccine can block the pathogens virulence mechanism and lead to confirming the mechanism of action for a given vaccine
- c. <u>Bacterial surveillance in the genomic era</u>. Vaccine discovery is dependent on the selection of relevant antigens and an understanding of antigenic change within populations. For this project the student will have the opportunity to work with large collections of bacteria and/or nasal swabs to interrogate pathogens and assess how antigens and antibiotic resistance genes are distributed within specific bacterial pathogen species, how they change and what may drive these changes
- d. <u>Can new genomic methods be useful for bacterial vaccine research and development?</u>The post genomics era has provided new methodology to generate molecular data from bacteria that provides an insight into their metabolic activity in culture and in complex communities. The student will use molecular approaches and model systems to assess how these approaches can contribute to our understanding of bacterial pathogenicity during the vaccine development process.
- e. <u>What maternal/infant characteristics predict increased risk of severe infant RSV disease and response to</u> <u>RSV vaccination</u>? Medical student will analyze RSV clinical trial data to identify predictors (eg, maternal smoking, number of siblings, breast-feeding) for these two outcomes.
- f. <u>How readily are RSV escape mutants selected by MEDI 8897, palivizumab, and polyclonal antibodies elicited by Pfizer's RSV vaccine?</u> Medical student will compare the RSV escape mutations selected in culture the antibodies and correlate these findings with the observed diversity of circulating RSV strains. Total project 6 months. If mutants selected by a Pfizer scientist, sequencing and analysis could be done by a student in 6-8 weeks.



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- g. <u>Is there a difference in the RSV strains recovered from infants who received RSV vaccine versus those who</u> <u>received placebo?</u> Medical student will conduct a comparative analysis of viruses recovered from nasal swabs obtained from infants born to subjects who received RSV vaccine or placebo
- h. <u>How is a clinical trial protocol developed?</u> Medical student will work with the clinical study team to write a clinical trial protocol for a planned Pfizer study
- i. <u>How to conduct effective literature reviews to support the development of new vaccines</u> The student will fully research an area of interest within the vaccine R and D area (such as a new infectious disease area); identify knowledge gaps; propose ways of filling those gaps and learn how to effectively communicate the results to a multidisciplinary audience.

2) CUIMC - NYC

Three studies involving Latino immigrants and diet and include 2 community based organizations as well as pediatric clinics.

- Mentor(s): Manuela Orjuela-Grimm, MD, ScM (mao5@cumc.columbia.edu)
- Project activities: Studying the ways in which the migration process and adapting to the U.S. impacts emotional and mental health of adolescent Latino immigrants participating in the CAMINANDO Study; examine cognitive development and diet longitudinally in toddlers born to recent Latino immigrants in the COMIDITA study; examine diet and physical activity in women who have immigrated from central Mexico and have high prevalence of obesity.
- Spots Available: 1-2
- Weekly time commitment: Full time
- Stipend: \$3,000
- Other Requirement: Native Spanish Speaker

<u>Uganda</u>

Rakai Health Science Centers - Rakai

Site operated by the Office of Field Practice at MSPH- **first point of contact to discuss project content and site logistics:** Esther Spindler, Project Director, SSTAR Project ejs2220@cumc.columbia.edu *Multiple projects: Exploration of social structural factors and social role transitions from adolescence to adulthood influence HIV acquisition among youth; Identification direct pathways identification of social structural determinants on HIV acquisition; Supporting HIV Prevention strategies used by the DREAMS project*

- Mentor(s): John Santelli MD, MPH (js2637@columbia.edu)
- Project activities: Public health projects research, program development or evaluation, health education, etc.
- Spots available: TBD
- Weekly time commitment: Full time
- Stipend: \$4,000
- Other useful information: Projects usually go from end of May/beginning of June to end of July/beginning of August (8-9 weeks), but the site can in principle accommodate VP&S students' schedule or offer a shorter stay. Local orientation, support with finding housing, group airport transfers, local seminar, local academic advisement, final presentation.

Global Mental Health Program

Participate in global mental health research in the areas of diagnosis, culture and psychopathology, and health services delivery. New York, and other locations as available.

1. <u>Brighton, UK</u> - Norfolk and Suffolk Foundation Trust: The Knowledge Centre, Hellesdon Hospital <u>New York City</u> - WHO Collaborating Centre for Capacity Building and Training in Global Mental Health at Columbia University Including Service Hern Permetricue in Cuild line Development

Including Service User Perspectives in Guideline Development



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- Mentor(s): Kathleen Pike, PhD (kmp2@cumc.columbia.edu)
- Project activities: Contribute to existing work integrating the service-user perspective into the diagnostic and treatment processes. Expand upon INCLUDE study through Research Production: Literature review; Data analysis; Manuscript drafting; Journal submission;
- Spots available: 1
- Weekly time commitment: Full time
- Stipend: \$2,000 \$4,000 (approximate depending on location)
- 2. New York WHO Collaborating Centre for Capacity Building and Training in Global Mental Health at Columbia University

Mental Health in the Workplace

- Mentor(s): Kathleen Pike, PhD (kmp2@cumc.columbia.edu)
- Project activities: Assist in developing comprehensive strategy to support mental health in the workplace in partnership with a major multinational corporation. Research Production: Systematic scoping review; Survey development; Mental health metric development; Data analysis; Manuscript drafting; Journal submission
- Spots available: 1
- Weekly time commitment: Full time
- Stipend: \$2,000 \$4,000 (approximate depending on location)

Design your Own Project

Global Pop will consider funding well-developed research proposals relevant to Global and Population Health. Detailed description of project, CU mentor, IRB status, on-site supervisor, organization, location, and a letter of agreement from mentor. See 5) Design-your-own Supplement for more details. Students who have not yet identified a mentor/project may contact Dr. Neil Schluger (ns311) or Dr. Larry Stanberry (lrs2155) to explore other project options. See Section 5) Design-your-own Supplement for more details & requirements.

- Spots Available: 5
- Weekly time commitment: Full time
- Stipend: ~\$3,000 \$4,000
- Preferred Dates: _____to____

International Collaboration and Exchange Program (Anatomy)

Basic science summer internships in research labs as part of the "International Collaboration and Exchange Program at Columbia" ('Columbia ICE Program') within the Anatomy/Pathology department and its international student exchange program

- Mentor(s): Anette Wu, MD, MPH, PhD (aw2342@cumc.columbia.edu)
- 2020 research lab locations: Australia, Austria, Canada, Denmark, Finland, France, Germany, Japan, Taiwan, United Kingdom.
- Weekly time commitment: Full time
- Project activities, spots available and stipend: TBD
- Other requirements: Completion of Columbia ICE Program collaborative small group videoconferences with VP&S Anatomy/Pathology department during academic year 2019/20.



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3)Cross-cultural Fluency and Educational Projects

Selected students must submit all required forms as per Global Pop's instructions, and (except for students participating in the language course), must participate in:

- ✓ April 2020 Pre-summer Orientation
- ✓ August 2020 Abstract, Poster and Capstone Paper
- ✓ September 2020 Summer Projects Symposium and Poster Session

Dígame Summer Spanish Immersion Program in Washington Heights (NYC)

- Mentor: Ana Esteban, MD, M.Ed, CI (aeg2188@cumc.columbia.edu)
- Program schedule:
 - One hour of Medical Spanish in the morning (Monday through Thursday)
 - Levels offered: beginner, intermediate, advanced
 - Two hours optional tutoring with native speakers (12–2 pm, Monday through Thursday)
 - Afternoon optional placement at a clinical or community health-related organization with Spanish/cultural competency component*
 - On Fridays, cultural activities, seminars and community-related discussions
- Dígame Placement typical activities include:
 - Administer screenings for social determinants and learn about community resources that address health-related social needs at Columbia Presbyterian Hospital.
 - Shadow a medical interpreter and learn about language translations and culture at Columbia Presbyterian Hospital.
 - Implement key-informant interviews with staff and focus groups to assess health behaviors, needs and access to services.
 - Coordinate and prepare health related lectures for community centers.
 - Shadow several bilingual research investigators in some of the country's most important clinical trials for the preventing and treating of age related diseases.
- Spots available: 30
- Weekly time commitment: varies
- Stipend: None
- Requirements: No language pre-requirement. An assessment to determine the level will be carried out by Dr. Esteban.
- Other useful information: Students may combine the language course with an independent project, not organized by Dr. Esteban. In this case, their mentor must approve in writing the student's participation in the language course. Subject to availability, the Dígame program will accept applications past the January 3rd deadline. Contact psglobalpop@cumc.columbia.edu if in this situation.

Please select from:

- \Box Option 1: Language class only
- □ Option 2: Language class & cross-cultural Fridays
- \Box Option 3: All of the above plus Dígame placement



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Dígame & Bienvenidos Student Leaders (NYC)

- Mentor: Ana Esteban, MD, M.Ed, CI, (aeg2188@cumc.columbia.edu) and overseen by Global Pop's office
- Typical activities include:
 - Organize cultural activities for their classmates such as focus groups, lectures, field trips, a final 0 closing ceremony, and other cultural activities
 - Participate in carrying out a program evaluation 0
- Spots available: Student Leader Dígame (1 slot), Student Leader Bienvenidos (3 slots)
- Weekly time commitment: Student leaders will be expected to do some work before, during, and after the official program dates, beginning as early as March.
- Stipend: Student Leader Dígame (\$3000), Student Leader Bienvenidos (\$1000)
- Requirements: Student leaders are also expected to participate in the Dígame and/or Bienvenidos program. If you are applying to a Student Leader position, please include on your Statement of Interest any past experience in a relevant leadership position.
- Other useful information: The student leaders will be paid in two installments: in May/June, upon completion of pre-summer tasks and in July/August towards the end of the program, upon completion of assigned work. Specific details regarding the payment installments and expectations will be provided during the initial interview for the position.

Please select from:

 \Box Student Leader - Dígame Summer Spanish Immersion Program – 06/16 – 08/07 (\$3,000) □Student Leader - Bienvenidos Pre-orientation Program 08/04 – 08/07 (\$1,000)

Worldwide Initiative for Rh Disease Eradication (WIRhE) Organization - (NYC)

Developing Educational Content to Help Eradicate Rh Disease.

- Mentor(s): Steven Spitalnik MD (bs2277@cumc.columbia.edu) and Brie Stotler MD (bs2277@cumc.columbia.edu), the Executive and Deputy Directors of WIRhE, respectively)
- Project activities: This project will involve developing web content for the WIRhE website (www.wirhe.org), which needs educational and practical content for patients, physicians, nurses, midwives, donors, etc. to raise awareness, educate individuals and groups, and support research endeavors around the world in the effort to eradicate Rh disease. The web content will include educational text, videos, and photographs to serve as a centralized source for information about Rh disease for the global health community. The initial goal is to create this content in English and then have it translated into multiple languages by international members of WIRhE. If the student is fluent in a foreign language, they could also participate in these efforts.
- Spots available: 1
- Weekly time commitment: Full time
- Stipend: \$3,000
- Other requirements: The successful student could come from a medical, nursing, or public health background. It is anticipated that the student will work on the Medical Center campus, although other options are possible.



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4) Language Proficiency

Using the criteria below, rate your language proficiency by marking the appropriate box: *Where language is required, Global Pop will organize screening interviews.*

Language	Fluent	Conversant	Intermediate	Beginner
Spanish				
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.

5) Design-Your-Own Project_Supplement_

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.

Students who have not yet identified a mentor may contact Dr. Neil Schluger (ns311) or Dr. Larry Stanberry (lrs2155) to explore options.

- 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



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concepts, methods, technologies, treatments, services, or preventative interventions that drive this field?

- Innovation. Does the project 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 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)