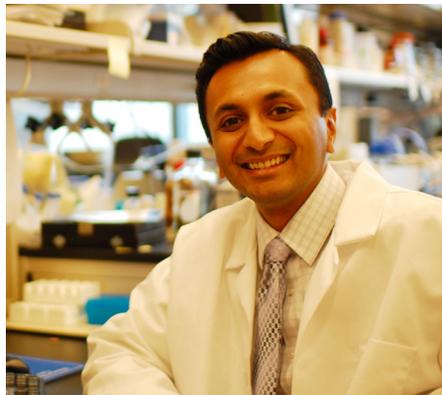




The Columbia Summer Research Institute



"CSRI gave me both the theoretical understanding as well as the practical know-how to excel in my work. Frankly, conducting research would have been extraordinarily difficult without the Institute. I cannot praise it enough."

Mary Welch, MD
Neuro-Oncology Fellow

The Columbia Summer Research Institute offers post-doctoral fellows and junior faculty the opportunity to gain fundamental skills in research methods and grant writing in a fully immersive 5 week program of full-time study. Participants may subsequently opt to further hone their research skills and obtain a master's degree through CSRI's accelerated format. The degree program culminates with the completion of an NIH grant for an R01 or K award.

The Curriculum

Build a solid foundation for a successful research career in 5 weeks and, if desired, complete a master's degree.

GAIN VITAL SKILLS

CSRI Bootcamp | 10 academic credits in 5 weeks

FOUNDATION COURSES:

- Introduction to Biostatistical Methods
- Principles of Epidemiology I
- Writing a Successful NIH Grant Application
- Decision Analysis for Clinical and Public Health Practices
- Race and Health

KEY DELIVERABLES:

- NIH-style grant outline for either an R01 or K award
- Critical thinking skills
- Foundational analytic toolbox

ENHANCE YOUR COMPETITIVE EDGE

EARN A MASTER'S DEGREE

The 10 academic credits earned in CSRI Bootcamp may be applied to either the Clinical Research Methods or the Patient Oriented Research degree programs offered by the Department of Biostatistics (*requires separate application*).

MS in Biostatistics - Clinical Research Methods

requires an additional 20 credits which may be earned in as little as 12 months following participation in CSRI Bootcamp.

REQUIRED COURSES:

- Applied Regression I
- Applied Regression II *
- Analysis of Categorical Data *
- Introduction to Randomized Clinical Trials
- Epidemiology II
- Master's Essay

MS in Patient Oriented Research

requires an additional 20 credits which are usually earned over 2 academic years following participation in CSRI Bootcamp.

REQUIRED COURSES INCLUDE:

- Analysis of Categorical Data *
- Basic Lab Methods
- Responsible Conduct of Research
- Colloquium
- Master's Essay

ELECTIVE COURSES FOR BOTH PROGRAMS INCLUDE:

- Statistical Computing with SAS *
- Analysis of Large Scale Data Sets †
- Systematic Review & Meta-analysis †

* denotes a course that may be taken during the summer session

† denotes a summer-only course offered through CSRI

Unique advantages:

Outstanding research portfolio: Columbia University Medical Center is one of the most productive and innovative academic medical centers in the nation, consistently ranking among the top institutions in NIH research funding.

Exceptional teaching: Learn from Columbia professors who are active researchers and dedicated educators. Learn from a teaching team that is composed of faculty members with decades of teaching experience and numerous teaching awards. Learn from the originators of the highly successful Patient Oriented Research program for clinical and translational investigators from the fields of medicine, neurology, pediatrics, psychiatry, and pathology.

Ideal location: New York City, the "world's capital," is a hub for clinic-based research studies and population-based research studies, as well as research in urban health, global health, and health disparities.

Academic credit: By successfully completing the first summer program curriculum, you will earn 10 academic credits from Columbia University and a certificate that documents your participation. Use the credits towards an advanced degree, or simply add the certificate to your academic credentials.

Comprehensive curriculum: In addition to the fundamentals of clinical and translational research, the curriculum includes dedicated time for opportunities for career and professional development.

Accelerated format for health professionals: We recognize that taking time off for professional development isn't easy. Through the CSRI, you can take just 5 weeks to earn 10 course credits and gain fundamental skills in clinical and translational research design and analysis. CSRI alumni have the opportunity to continue taking summer courses which may be applied to an advanced degree.

Apply by May 1

csri.cumc.columbia.edu

Contact

csri@columbia.edu



COLUMBIA UNIVERSITY
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