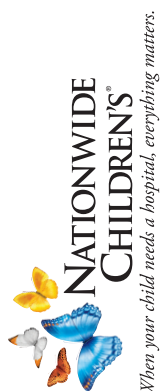




Summer Scientist Education Series

Exploring the Scientific Method and
Careers in Medical Research
2021



When your child needs a hospital, everything matters.

Nationwide Children's Hospital
700 Children's Drive
Columbus, Ohio 43205



When your child needs a hospital, everything matters.

Summer Scientist Education Series 2021

June 17-July 22, 2021

Summer Scientist
Education Series
2021 Registration Form

Purpose

To expose young people, especially high school and other students, to the scientific method and types of careers in medicine and biomedical research.

Class Schedule and Topics

The program format for each session includes brief presentations by Research Institute professionals, followed by a Q&A discussion with the speakers.

Introduction & Population/Clinical Outcomes Science - Session 1

Basic/Discovery Science - Sessions 2-3

Laboratory-based research focused on understanding fundamental mechanisms of disease and normal development. It is typically conducted in a “wet-bench” laboratory setting and is focused on understanding biologic processes that occur at the cellular level.

Translational Science - Sessions 4 & 5

Research that aims to turn discoveries in the lab or clinic into new diagnostic or therapeutic interventions. It typically involves the initial development of a candidate new treatment, and then testing how the treatment works in various animal models of a disease.

Clinical Trials - Sessions 4 & 5

Research that evaluates the safety and efficacy of new experimental treatments. It often progresses through distinct phases that begin with ensuring the safety of the new treatment, then evaluating its efficacy against a specific disease, then evaluating the effectiveness of the new treatment compared to any existing treatments.

Clinical Outcomes - Session 6

Research that is focused on understanding the natural history of diseases or predictors of various health outcomes of those diseases. It may rely on existing electronic health record data or collect prospective data on a defined group of patients.

Population Health Research - Session 6

Research on factors such as public policies or community-based interventions that influence the health status of population groups. It is typically conducted in a community including a mixture of healthy individuals, as well as those with a variety of health conditions.

Session 1: Introduction & Clinical/Population Research Science - June 17

Dennis Durbin, MD, MSCE
Raj Krishnamurthy, MD
Arielle Sheftall, PhD

Session 2: Basic/Discovery Science - June 24

Lauren Bakaletz, PhD
Chris Montgomery, MD
Jennifer Edwards, PhD

Session 3: Basic/Discovery Science - July 1

Jerry Mendell, MD
Lynette Rogers, PhD
Madhumita Basu, PhD

Session 4: Translational/Clinical Science - July 8

Paola Malerba, PhD
Kim McBride, MD
Ashley Jackson, PhD
Diana Zepeda-Orozco, MD

Session 5: Translational/Clinical Science - July 15

Dean Lee, MD, PhD
Meisam Naeimi Kararoudi, DVM, PhD

Session 6: Clinical/Population Research Science - July 22

Cindy Gerhardt, PhD
Micah Skeens, PhD, RN, CPNP
Jack Stevens, PhD

Time

4-5 p.m.

Cost

No charge.

How to Participate

Live Program

All sessions will be held virtually, online via Webex

Video On-demand

Sessions will also be recorded and posted to create a seminar library. Log-on to [NationwideChildrens.org/Summer-Scientist-Series](https://www.nationwidechildrens.org/Summer-Scientist-Series) to view the sessions.

Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Daytime phone: (_____) _____

Email: _____

Please select class date(s) below:

Attend All Dates

June 17 July 8

June 24 July 15

July 1 July 22

Register online at:

[NationwideChildrens.org/Edu](https://www.nationwidechildrens.org/Edu)

Or mail this form to:

Community Education

Nationwide Children's Hospital

700 Childrens Dr. Columbus, OH 43205

Questions?

Contact Community Education at 614-355-0589 or email
CommunityEducation@NationwideChildrens.org.

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