



[Welcome to GSK](#)

[Research](#)

[Admissions](#)

# Faculty

[Cancer Biology](#)

The Gerstner Sloan Kettering faculty brings together [outstanding scientists and engineers](#) working at the forefront of biomedical research and cancer engineering. Browse our list of Faculty and learn more about each faculty member's area of [Cancer Engineering](#) investigation.

[Research](#) members who do not serve as dissertation mentors but who make contributions to the education of our students by teaching or serving as clinical mentors are appointed as [Gerstner Sloan Kettering Special Contributing Faculty](#).

[Alumni](#)

Search by name:

and/or

Area of Research:

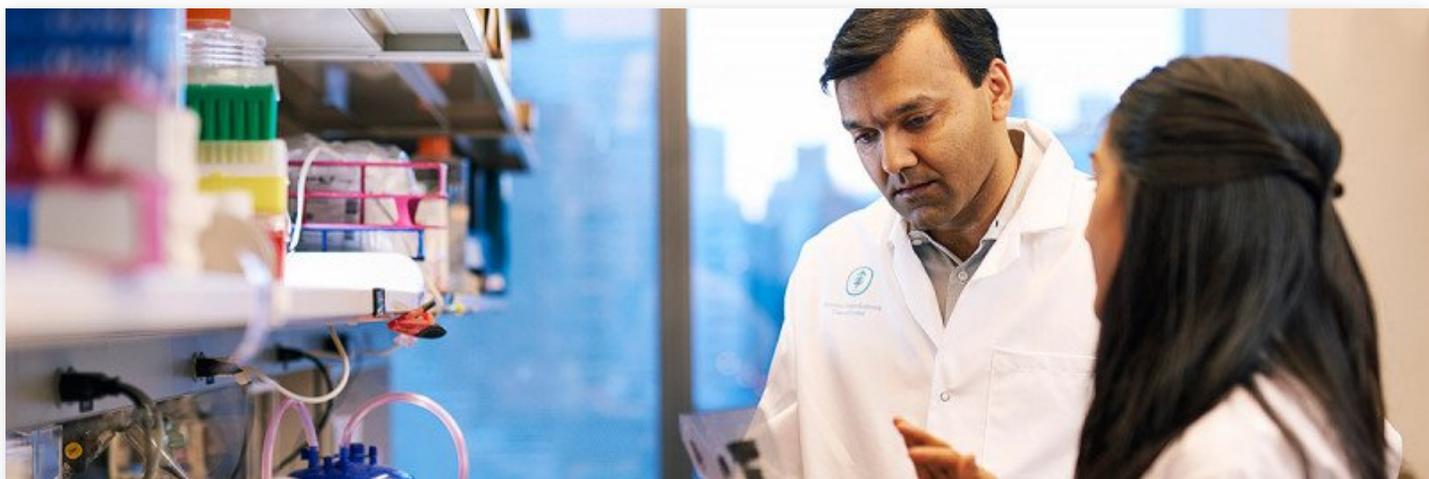
- Animal Models of Disease
- Apoptosis
- Cancer Engineering
- Cancer Genetics and Epidemiology
- Cancer Therapeutics



[Learn more about the honors and awards our scientists have received.](#)



[Meet the researchers who teach our students or serve as their clinical mentors.](#)



[Mentorship](#)

136 Faculty Members found

---

MOLECULAR PHARMACOLOGY PROGRAM



## [Omar Abdel-Wahab, MD](#)

Professor

Physician-scientist Omar Abdel-Wahab studies the functional genomics of hematopoietic malignancies.

MD, Duke University School of Medicine

[View Publications](#)

[abdelwao@mskcc.org](mailto:abdelwao@mskcc.org)

---

### CHEMICAL BIOLOGY PROGRAM



## [Heeseon An, PhD](#)

Assistant Professor

Heeseon An's lab studies protein degradation in health and disease using chemical, biological, and proteomics tools.

BS and MS, Chemistry, Seoul National University

PhD, Chemistry, Northwestern University

Postdoc, Cell Biology, Harvard Medical School

[View Publications](#)

[AnH@mskcc.org](mailto:AnH@mskcc.org)

---

### MEMORIAL HOSPITAL RESEARCH LABORATORIES



## [Cristina R. Antonescu, MD](#)

Professor

The Antonescu lab focuses on translocation-associated sarcoma pathogenesis and generating in vitro models.

MD, Carol Davila Faculty of Medicine and Pharmacy

[View Publications](#)

[antonesc@mskcc.org](mailto:antonesc@mskcc.org)

---

#### CHEMICAL BIOLOGY PROGRAM



### [Daniel Bachovchin, PhD](#)

Associate Professor

Chemical biologist Daniel Bachovchin designs selective inhibitors to study enzymes and pathways in cancer and immune system signaling.

PhD, The Scripps Research Institute

AB, Harvard College

[View Publications](#)

[bachovcd@mskcc.org](mailto:bachovcd@mskcc.org)

---

#### HUMAN ONCOLOGY & PATHOGENESIS PROGRAM



### [Samuel Bakhoun, MD, PhD](#)

Associate Professor

Physician-scientist Samuel Bakhoun studies the role of chromosomal instability in tumor evolution and metastasis.

MD, Dartmouth Medical School

PhD, Dartmouth College

[View Publications](#)

[samuel.bakhoun@gmail.com](mailto:samuel.bakhoun@gmail.com)

---

#### HUMAN ONCOLOGY & PATHOGENESIS PROGRAM



## [Vinod Balachandran, MD](#)

Associate Professor

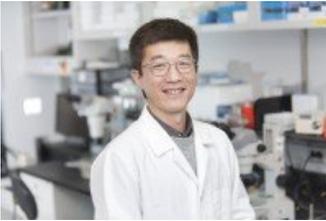
Surgeon scientist Vinod Balachandran develops novel immunotherapies for pancreatic cancer.

MD, State University of New York at Stony Brook

[View Publications](#)

---

DEVELOPMENTAL BIOLOGY PROGRAM



## [Zhirong Bao, PhD](#)

Professor

The Bao laboratory investigates how the genome dictates development using *C. elegans* as a model.

PhD, Washington University

[View Publications](#)

[baoz@mskcc.org](mailto:baoz@mskcc.org)

---

DEVELOPMENTAL BIOLOGY PROGRAM



## [Mary Baylies, PhD](#)

Professor

The Baylies laboratory studies the mechanisms that form and maintain muscle both during normal development and in disease.

PhD, The Rockefeller University

[View Publications](#)

[m-baylies@ski.mskcc.org](mailto:m-baylies@ski.mskcc.org)

---

## CANCER BIOLOGY & GENETICS PROGRAM



### [Robert Benezra, PhD](#)

Professor

Cancer biologist Robert Benezra studies the molecular mechanisms of tumor growth and metastatic progression using mouse models. In addition, he studies the spindle assembly checkpoint which ensures proper chromosome segregation and is often deregulated in cancer.

PhD, Columbia University

[View Publications](#)

[r-benezra@ski.mskcc.org](mailto:r-benezra@ski.mskcc.org)

---

## HUMAN ONCOLOGY & PATHOGENESIS PROGRAM



### [Michael F. Berger, PhD](#)

Professor

Researcher Michael Berger focuses on massively parallel sequencing of tumor DNA for biomarker discovery and clinical diagnostics.

PhD, Harvard University

[View Publications](#)

[bergerm1@mskcc.org](mailto:bergerm1@mskcc.org)

[Load More](#)

PREVIOUS

[Research](#)

NEXT

[Special Contributing Faculty](#)

## ▼ Programs

[Overview](#)

[Cancer Biology PhD](#)

[Cancer Engineering PhD](#)

[How to Apply](#)

[Application FAQs](#)

[Fellowships](#)



## ▼ About GSK

[About Us](#)

[Faculty](#)

[Accreditation](#)

[Student & Faculty Handbook](#)

## ▼ Student Life

[Overview](#)

[Housing & Cost of Living](#)

[Current Students](#)

[Students Progress & Outcomes](#)

[PhD Alumni](#)

---

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility Statement](#)

[Privacy policy](#)

[Public notices](#)

© 2024 Louis V. Gerstner Jr. Graduate School of Biomedical Sciences Memorial Sloan Kettering Cancer Center