Cancer Nanotech T32 Fellowships

Program Directors

Konstantin Sokolov, PhD
MD Anderson Cancer Center
Professor,
Imaging Physics
Adjunct Professor,
Bioengineering,
Rice University

Gang Bao, PhD
Rice University
Foyt Family Professor and Chair
Department of Bioengineering
Professor of Chemistry, Materials
Science and Nanoengineering,
and Mechanical Engineering

Future Nanotechnology Leaders

The program is geared toward young scientists who aim to pursue integrated, translational research that is focused on advancing promising new nanotechnology-based diagnostics and therapeutics to improve cancer care.

Two Tiers

Our program has two tiers: a predoctoral program for training PhD students and a postdoctoral program.

The predoctoral program will provide mentorship, training, and funding for 2-3 years to students who have been accepted into (i) the Ph.D. program in Bioengineering or Chemistry at Rice University, and (ii) the Graduate School of Biomedical Sciences (GSBS) at MD Anderson.

The postdoctoral program will provide fellowships to recent Ph.D. awardees for 2-3 years with training in physical science, chemistry, or bioengineering with a demonstrated background and interest in nanotechnology. Holders of an M.D. degree will be eligible for the program if they show a strong interest in translational cancer nanotechnology research.

Eligibility Requirements

Per T32 program requirement, fellows "must be citizens or noncitizen nationals of the United States or have been lawfully admitted for permanent residence at the time of appointment".

Encouraging Diversity

The training program is committed to ensuring diversity in selecting outstanding fellows for the program. Minority, disadvantaged or disabled applicants are highly encouraged to apply.

How to Apply

Interested candidates, please, complete our application:
https://app.smartsheet.com/b/form/1d17a10efa1746d1ab3c3e6f5021fe0c

Documents to upload:

Pre-doctoral Candidates:
1. Letter from the PhD thesis advisor
2. Up to 3-pages proposal describing a research project with focus on cancer nanotechnology
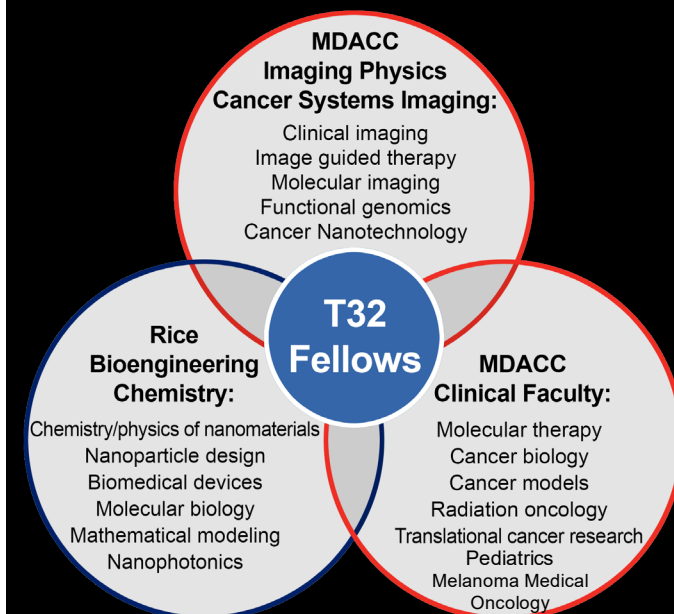3. Current CV

Post-doctoral Candidates:
1. Up to 2 pages research interest statement with names of preferred MDACC or Rice faculty mentors
2. Current CV
3. Names of 3-5 references

For more information, please contact:
Jeannette McGee and Erica Cantu
T32_MDA_Rice@mdanderson.org

Program's Pillars

**MDACC
Imaging Physics
Cancer Systems Imaging:**
Clinical imaging
Image guided therapy
Molecular imaging
Functional genomics
Cancer Nanotechnology

T32 Fellows

**Rice
Bioengineering
Chemistry:**
Chemistry/physics of nanomaterials
Nanoparticle design
Biomedical devices
Molecular biology
Mathematical modeling
Nanophotonics

**MDACC
Clinical Faculty:**
Molecular therapy
Cancer biology
Cancer models
Radiation oncology
Translational cancer research
Pediatrics
Melanoma Medical Oncology

Program Mentors

MDACC

Imaging Physics
James Bankson, PhD
Richard Bouchard, PhD
David Fuentes, PhD
Konstantin Sokolov, PhD
Jia Wu, PhD
John Hazle, PhD
Cheenu Kappadath, PhD
Rick Layman, PhD
Anthony Ho-Ling Liu, PhD
Jingfei Ma, PhD
Osama Mawlawi, PhD
Tinsu Pan, PhD
Jason Stafford, PhD

Cancer Systems Imaging
Pratip Bhattacharya, PhD
Charles H. Manning, PhD
Steven Millward, PhD

Clinical Program Faculty
Erik N. K. Cressman, PhD
Laurence E. Court, PhD
Sang Hyun Cho, PhD
Anil K. Sood, MD
Wen Jian, MD
Keri Schadler, PhD
Cassian Yee, MD

Rice

Department of Bioengineering
Gang Bao, PhD
Caleb Bashor, PhD
Michael Diehl, PhD
Rebekah Drezek, PhD
Isaac Hilton, PhD
George Lu, PhD
Kevin McHugh. PhD
Rebecca Richards-Kortum, PhD
Laura Segatori, PhD
Jeff Tabor, PhD
Tomasz Tkaczyk, PhD
Omid Veiseh, PhD
Julea Vlassakis, PhD

Department of Chemistry
Zachary Ball, PhD
Ann-Karin Gustavsson, PhD
Naomi Halas, PhD Stephen Link, PhD
Han Xiao, PhD