

Brian C. Kim

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Education

Case Western Reserve University, School of Medicine Cleveland, OH

Medical Scientist Training Program (MSTP), June 2018 – Present
Advisor: Atul Chopra, MD, Ph.D

University of Pennsylvania, School of Arts and Sciences Philadelphia, PA

Masters of Chemistry (M.S.), May 2017, Cumulative GPA: 3.97
Major: Chemistry
Thesis: DNA Damage Resistance in Glioblastoma is Regulated by RIG-I and Propagated by RNase-L Cleavage Products in Exosomes
Advisor: Andy J. Minn, MD, Ph.D

Bachelor of Arts (B.A.), May 2017, Cumulative GPA: 3.65
Distinction: *magna cum laude with honors*
Major: Biochemistry

Honors And Awards

Dean's List, Academic Year 2015-2016.

Dean's List, Academic Year 2016-2017.

Selected Presenter, National Symposium for Undergraduate Research, St. Jude Graduate School of Biomedical Sciences, June, 2017.

3rd Place, Undergraduate Poster Competition, American Association for Cancer Research (AACR), Philadelphia, PA, April 2015

1st Place, Singles Tennis Intramural Tournament, University of Pennsylvania, Spring 2014 & Spring 2015.

Rotary College Scholarship, Rotary Club of Louisiana, 2013

Finalist, National Siemens Science Competition, 2013

- International science competition held by Siemens for promising scientists

Selected Publications

Barzin Y. Nabet, Yu Qiu, Jacob E. Shabason, Tony J. Wu, Taewon Yoon, **Brian C. Kim**, Joseph Marcotrigiano, and Andjy J. Minn. (2017). Virus Mimicry in the Tumor Microenvironment Activates RIG-I Through Unshielding of Endogenous RNA in Exosomes. *Cell*, 170, 352-366 (2017).

Clinical Experience

Volunteer, Hospital of the University of Pennsylvania, 2015-present Philadelphia, PA

- Clinical shadowing: radiation oncology rounds with Alexander Lin, M.D and Jacob Shabason, M.D.

Research Experience

Research Assistant, University of Pennsylvania, 2013-Present Philadelphia, PA

- Research Project: DNA Damage Resistance in Glioblastoma is Regulated by RIG-I and Propagated by RNase-L Cleavage Products (PI: Andy J. Minn, M.D., Ph.D.)

Research Assistant, Vanderbilt University, 2013 Nashville, TN

- Research Project: Solar Windows Using a Nanothermochromic Metamaterial (PI: Richard Haglund, Ph.D.)

Other Activities

Tennis Instructor, Cleveland Skating Club, 2019 – Present Cleveland, OH

Teaching Assistant, Biochemistry, University of Pennsylvania, 2017 Philadelphia, PA

- Held weekly office hours and recitation sections. Also collaborated with other TAs to hold test review sessions

Tutor, The Tutoring Center, University of Pennsylvania, 2015-2017 Philadelphia, PA

- Subjects: Biology, Chemistry, Organic Chemistry, Physical Chemistry

Student Presenter, STAR Competition, Columbia University, March 2017 New York, NY

- Competition held by The Elise Foundation for outstanding collegiate science research

Research Scholar, SUPERS, University of Pennsylvania, 2014-2016 Philadelphia, PA

- Summer Undergraduate Program for Educating Radiation Scientists (SUPERS), a NIH funded summer research program held by Department of Radiation Oncology
- Attended seminars from leading scientists and gave presentations on our own research

Camp Counselor, RYLA, 2014-2017 Philadelphia, PA

- Rotary Youth Leadership Awards (RYLA), a week-long camp held by the Rotary Foundation to educate high school leaders

President, Rotaract Club of Philadelphia, 2014-2016 Philadelphia, PA

- A service and professional development club in Philadelphia for college students and young professionals. Sponsored by the Rotary Foundation

Student Mentor, PennPals Club at University of Pennsylvania, 2013-Present Philadelphia, PA

- Assigned an elementary school student at Powell Elementary in West Philadelphia and did weekly activities throughout the year

Volunteer, Ronald McDonald House, 2014-Present Philadelphia, PA

- Assisted in service meals and planning activities for children (and family) undergoing treatment at the Hospital of the University of Pennsylvania

Captain, Harnwell Flag Football and Basketball Intramural Team, 2014-2016 Philadelphia, PA

Membership

Member, American Association for Cancer Research (AACR), 2014-Present

Member, Epsilon Alpha Mu (EAM) Honor Society

- Inter-Ivy league honor society for science research

Skills

Laboratory Skills and Sequencing Analysis

- Wet lab skills including all basic experimental procedures and advanced procedures including flow cytometry, mouse experiments, and creating libraries for sequencing (RNA, ChIP, ATAC, MNase, & modified RNA)
- Dry lab skills of analyzing sequencing data and performing numerous statistical tests.
- Course Project: Advantage of using ERCC controls to analyze RNA-sequencing data.

Computer Programming

- Highly proficient in R and Python

Korean (conversational)