



The Center for BRIGHTBEAMS

“When you join CBB you are joining a community that embraces students of all genders, races, backgrounds, and ethnicities.”

A NATIONAL SCIENCE FOUNDATION SCIENCE & TECHNOLOGY CENTER

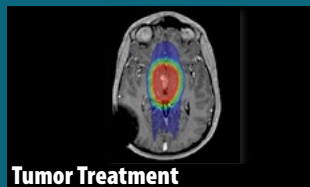
WHY CHOOSE CBB?

Bright x-ray and electron beams power today’s scientific research industry.

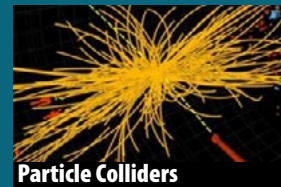
With more than 20 faculty across multiple institutions and disciplines, CBB provides a stimulating academic environment that fosters collaboration.

One in three Nobel Prizes in Physics and Chemistry are awarded to research that utilizes intense X-ray or particle beams.

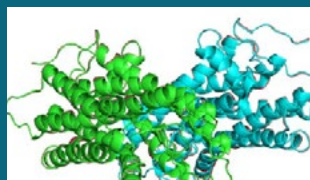
JOIN CBB TO MAKE BETTER BEAMS.



Tumor Treatment



Particle Colliders



Molecular Movies



Semiconductor Fabrication



Contribute to cutting edge research at world leading institutions.

Experience interdisciplinary research, working side-by-side with material scientists, chemists, condensed matter physicists and accelerator scientists.

Learn alongside individuals from a wide range of nationalities, cultures and educational backgrounds. CBB continuously works toward the inclusion of under represented minorities women, and first-generation students.

Explore unique areas of science, unique areas of the U.S.

CBB graduate students participate in cutting-edge interdisciplinary research combined with a career development program and networking with leaders in science and industry.

CBB RESEARCH THEMES

Beam Production – Develop the new knowledge needed to produce brighter beams.

Beam Acceleration – Explore superconductivity in extreme conditions.

Beam Dynamics and Control – Control beams using machine learning and other advanced techniques.



APPLY TO ONE OF OUR PARTICIPATING UNIVERSITIES

UCLA

BYU
BRIGHAM YOUNG UNIVERSITY

NM
THE UNIVERSITY OF NEW MEXICO

ASU
Arizona State University

THE UNIVERSITY OF CHICAGO

Northern Illinois University

Cornell University

UF
UNIVERSITY OF FLORIDA

CBB.CORNELL.EDU
WE LEARN MORE ABOUT US



@BrighterBeams



www.linkedin.com/company/brightbeams



cbb.cornell.edu



cbb_admin@cornell.edu