EVERY DOLLAR RAISED BY THE PELOTONIA COMMUNITY GOES TOWARD INNOVATIVE CANCER RESEARCH AT THE OHIO STATE UNIVERSITY COMPREHENSIVE CANCER CENTER – ARTHUR G. JAMES CANCER HOSPITAL AND RICHARD J. SOLOVE RESEARCH INSTITUTE (OSUCCC – JAMES). THIS IS OUR IMPACT.
Contents

INTRODUCTION ........................................................................................................ 2
COLLABORATION ...................................................................................................... 4
PELOTONIA-FUNDED RESEARCH ........................................................................... 5-6
IDEA GRANTS ........................................................................................................... 7-8
FELLOWSHIPS ......................................................................................................... 9-10
PELOTONIA INSTITUTE FOR IMMUNO-ONCOLOGY (PIIO) ........................................... 11-12
RECRUITMENT ......................................................................................................... 13-14
INSTRUMENTS OF DISCOVERY ............................................................................ 15
STATEWIDE INITIATIVES ......................................................................................... 16
100% of community-raised dollars benefit cancer research at the OSUCCC – James

Pelotonia funding supports projects that address many aspects of cancer, including prevention, diagnosis, treatment, psychosocial issues, accelerated drug development and large initiatives that help change the landscape of cancer care.
MORE THAN
$236 MILLION RAISED
FOR CANCER RESEARCH AT THE OSUCCC – JAMES
Pelotonia research funding has been allocated to researchers in 11 of the 15 colleges at The Ohio State University, as well as at Nationwide Children’s Hospital in Columbus and Cincinnati Children’s Hospital Medical Center.

1. COLLEGE OF MEDICINE
2. COLLEGE OF PUBLIC HEALTH
3. COLLEGE OF NURSING
4. COLLEGE OF DENTISTRY
5. COLLEGE OF PHARMACY
6. COLLEGE OF VETERINARY MEDICINE
7. COLLEGE OF FOOD, AGRICULTURAL AND ENVIRONMENTAL SCIENCES
8. COLLEGE OF LAW
9. COLLEGE OF EDUCATION AND HUMAN ECOLOGY
10. COLLEGE OF ENGINEERING
11. COLLEGE OF ARTS AND SCIENCES
Pelotonia-Funded Research

*Pelotonia dollars support seven major areas.*

**WHERE THE MONEY GOES:**

### IDEA GRANTS

### FELLOWSHIPS
$2 million is awarded annually to train the next generation of cancer researchers. The OSUCCC – James has awarded 616 Pelotonia Fellowships since 2010.

### RECRUITMENT
Pelotonia funds help attract the brightest minds in cancer research to Ohio State. The OSUCCC – James has recruited 188 top scientists since 2010.
Four statewide initiatives funded by Pelotonia promote early detection and better outcomes for colorectal, endometrial, lung and breast cancer patients in Ohio.

**PELOTONIA INSTITUTE FOR IMMUNO-ONCOLOGY (PIIO)**

The PIIO is a research initiative focused on harnessing the immune system to fight cancer.

**INSTRUMENTS OF DISCOVERY**

Pelotonia dollars provide sophisticated equipment for cutting-edge cancer research.

**STRATEGIC RESEARCH INVESTMENTS**

Pelotonia dollars support initiatives at the OSUCCC – James such as the Drug Development Institute, digital pathology and the Total Cancer Care® protocol.

*Funding allocated since 2010*
Idea Grants

Pelotonia-funded Idea Grants help cancer researchers accelerate innovative ideas.

The OSUCCC – James awards Idea Grants that enable teams of faculty researchers to gather early data for their projects so they can later apply for grants for this work from sources such as the National Cancer Institute (NCI).
194 IDEA GRANTS WERE AWARDED TO MORE THAN 200 INVESTIGATORS ACROSS 10 OF THE 15 COLLEGES AT THE OHIO STATE UNIVERSITY (as well as Nationwide Children’s Hospital and Cincinnati Children’s Hospital Medical Center)

“Without this Pelotonia award to support our research, it’s really hard to generate preliminary results to compete for federal grants. Without those larger grants, it’s difficult to make it into clinical trials.” ZHIWEI HU, MD, PHD

Researchers pursue fresh approaches with help from Idea Grants. Watch the video to learn how Pelotonia is making their work possible. → go.osu.edu/pelotoniaideagrants2020
Fellowships

The Pelotonia Fellowship Program trains promising and accomplished undergraduate, graduate and postdoctoral students.

The Pelotonia Fellowship Program is training the next generation of cancer researchers, supporting students at all academic levels and from any college who want to conduct cancer research with faculty mentors.

- 616 Pelotonia Fellowships have been awarded since 2010
- $2 million awarded annually
- 278 undergraduate students
- 188 graduate students
- 142 postdoctoral students
- 8 medical students
- From 47 countries • From 34 states
When you think about cancer research and getting closer to a cancer-free world, we have to make sure we are cultivating and keeping students in cancer research.”

ROSA LAPALOMBELLA, PHD
DIRECTOR, PELOTONIA FELLOWSHIP PROGRAM

ETHNICITY:

1% AMERICAN INDIAN
32% ASIAN
2.8% BLACK
4.4% HISPANIC
53.6% WHITE
6.2% UNDISCLOSED

45.9% FEMALE
53.6% MALE
0.5% UNDISCLOSED

Ohio State’s best and brightest students are working to create a cancer-free world.

go.osu.edu/pelotoniafellowships2020
PIIO

The Pelotonia Institute for Immuno-Oncology (PIIO) is a comprehensive bench-to-bedside research initiative focused on harnessing the body’s immune system to fight cancer at all levels.

Under the leadership of Founding Director Zihai Li, MD, PhD, the PIIO has developed a strategic plan and recruited several staff members and scientists with expertise ranging from development of cancer vaccines to bioinformatic and statistical modeling for high-throughput immunogenomic screening.

MORE THAN 80 PIIO SCIENTISTS ARE PURSUITING IMMUNO-ONCOLOGY APPROACHES TO CLINICAL TRIALS AT THE OSUCCC – JAMES

OBTAINED $29 MILLION IN ANNUAL FUNDING FROM NEW GRANTS (INCLUDING $19 MILLION FROM THE NIH)

LAUNCHED 60 CLINICAL TRIALS AND PLANNING 130 IMMUNO-ONCOLOGY CLINICAL TRIALS OVER THE NEXT FIVE YEARS
Together we are pushing the boundaries of immuno-oncology research. Your partnership with the PIIO is a catalyst in our journey toward creating a cancer-free world.”

ZIHAI LI, MD, PHD

Watch the video to learn more.

go.osu.edu/piio-zihai-li
Recruitment

Attracting the brightest minds in cancer research to Ohio State.

Some of the brightest minds in cancer research are recruited to the OSUCCC – James, and Pelotonia dollars often help these researchers continue their work when they arrive.

In the past year the OSUCCC – James has hired several senior- and junior-level medical scientists who have received Pelotonia funding support. Among them are these prominent senior-level scientists:

**Uma Borate, MD, MS**, was recruited from Oregon Health & Science University (OHSC) in Portland, Oregon. She treats patients with blood cancers, specializing in myelodysplastic syndromes (MDS), myeloproliferative neoplasms (MPN) and acute myeloid leukemia (AML).

**Marcos de Lima, MD**, was recruited from Case Western Reserve University. He is a hematologist who specializes in hematopoietic cell transplantation for patients who have been diagnosed with leukemia. He has more than two decades of experience in developing and conducting studies in stem cell transplantation and cells of the immune system.

**Matthew Kalady, MD**, was recruited from the Cleveland Clinic. He is a colorectal surgeon with expertise in caring for patients and their families who are at an increased risk of developing colorectal or other cancers as a result of a particular family history or inherited condition. His lab focuses on identifying genetic pathways or proteins that help prevent cancer development or enhance the effect of chemotherapy and radiation treatment.
Xuefeng Liu, MD, was recruited from Georgetown University. His research focuses on patient-derived cell models and the roles of papillomavirus oncoproteins and the telomerase enzyme in an early stage of cancer.

Mark Rubinstein, PhD, was recruited from the Medical University of South Carolina (MUSC) and the Hollings Cancer Center. He is a researcher in the Pelotonia Institute for Immuno-Oncology (PIIO). His laboratory is focused on understanding how the immune system functions and on applying this knowledge to the development of immune-based therapies to treat cancer.
Instruments of Discovery

Pelotonia dollars support the purchase of sophisticated equipment for cutting-edge cancer research.

In the prior fiscal year, $1.32 million was allocated to acquire equipment that helps OSUCCC – James investigators develop new treatments for patients with cancer.

New hope for cancer patients

Pelotonia funds support a study of how COVID-19 vaccination impacts the immune system of cancer patients.

SIIREN (Study of Infections and Immune REspoNse) aims to advance the scientific community’s understanding of COVID-19 infection and immune responses after vaccination among patients with cancer. This study is uniquely positioned to examine how well vaccines prevent infection and transmission to others, which is a critical public health and economic question, especially for this high-risk population.
Statewide Initiatives

Pelotonia-funded projects focus on colorectal, endometrial, lung & breast cancer in Ohio.

Funds from Pelotonia have supported four major statewide initiatives, including one that is finished but will have far-reaching effects, two that are well underway and one that began last year. These initiatives promote early detection and better outcomes for patients with cancer.

Learn more about our statewide initiatives online: cancer.osu.edu/statewide-initiatives.

The Ohio Colorectal Cancer Prevention Initiative (OCCPI) built a 53-medical-practice network across the state, including community practices, to improve genetic testing for colon cancer patients and their families, and to facilitate patient navigation.

The Beating Lung Cancer in Ohio (BLC-IO) study assesses survival and quality of life using genetic testing for advanced-stage lung cancer, coupled with smoking cessation.

The Ohio Prevention and Treatment of Endometrial Cancer (OPTEC) study assesses endometrial cancer patients for Lynch syndrome.

Turning the PAGE on Breast Cancer in Ohio focuses on reducing the high breast cancer mortality among African American women in Ohio.
Pelotonia 2021

More than 10,500 participants — including nearly 6,000 Riders and thousands more Challengers, Volunteers, Donors and spectators.
Including nearly 6,000 riders and more than 10,500 participants, Pelotonia is creating a cancer-free world.
The Ohio State University Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute strives to create a cancer-free world by integrating scientific research with excellence in education and patient-centered care, a strategy that leads to better methods of prevention, detection and treatment. Ohio State is one of only 51 National Cancer Institute (NCI)-designated Comprehensive Cancer Centers and one of only a few centers funded by the NCI to conduct both phase I and phase II clinical trials on novel anticancer drugs provided by the NCI. As the cancer program’s 356-bed adult patient-care component, The James is one of the top cancer hospitals in the nation as ranked by *U.S. News & World Report* and has achieved Magnet® designation, the highest honor an organization can receive for quality patient care and professional nursing practice. With 21 floors and more than 1.1 million square feet, The James is a transformational facility that fosters collaboration and integration of cancer research and clinical cancer care.

For more information about Ohio State’s cancer program, visit **cancer.osu.edu**.

For more information about Pelotonia, visit **pelotonia.org**.