

The James



THE OHIO STATE UNIVERSITY
COMPREHENSIVE CANCER CENTER

PELOTONIA IMPACT REPORT

2020

STENZON

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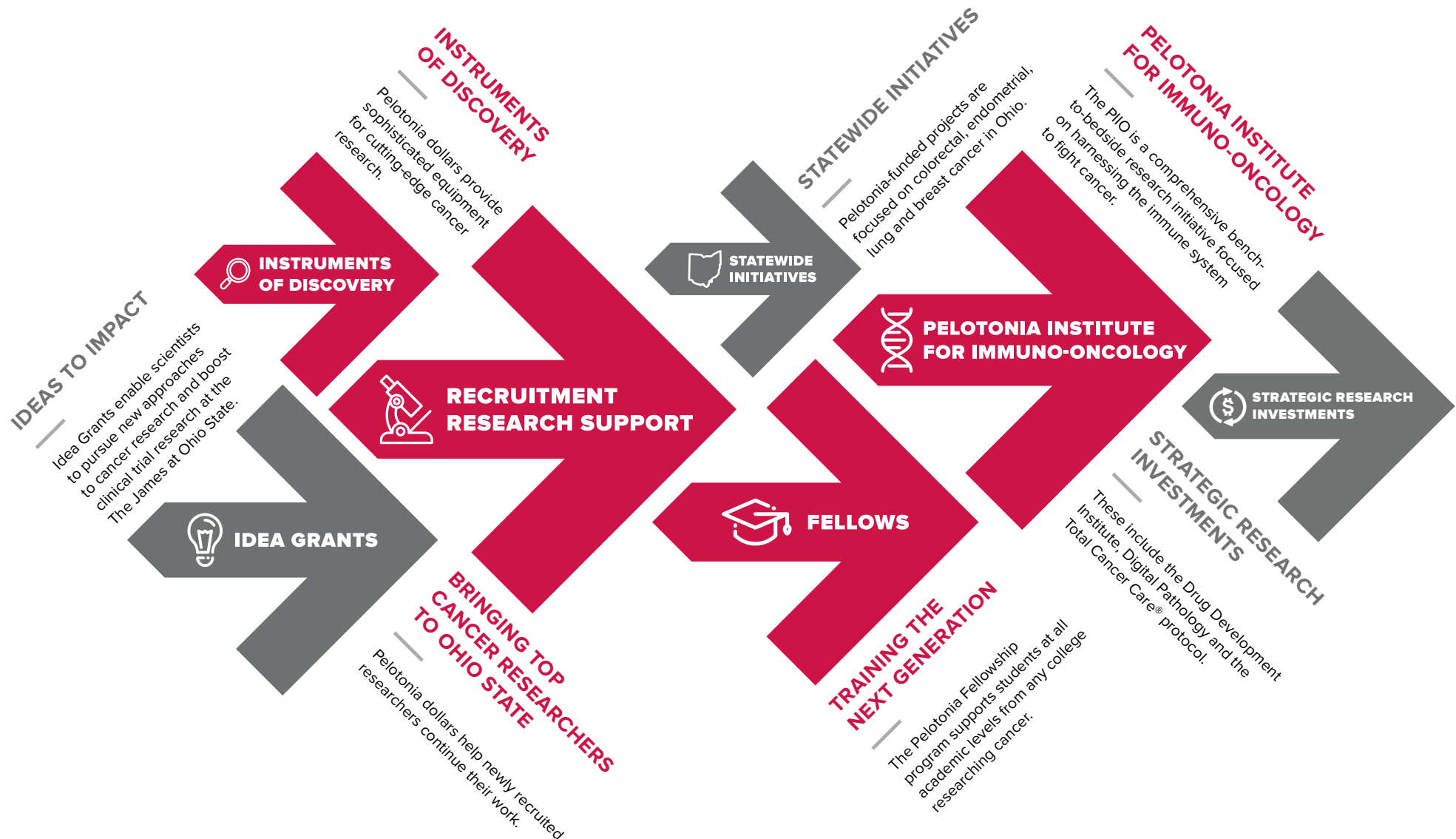
MORE THAN
\$217
MILLION
RAISED



The COVID-19 pandemic has changed the world in many ways, but it has proven to be no match for the spirit of Pelotonia.

In lieu of the 2020 traditional ride weekend, Pelotonia encouraged people to set their own personal activity such as riding, walking or volunteering. More than 11,000 participants in My Pelotonia raised over \$10.5 million, boosting the 12-year fundraising total to over \$217 million—100% of which is invested in cancer research at The James at Ohio State thanks to Pelotonia's major sponsors.

The dollars raised support projects that address many areas of cancer research, including prevention, diagnosis, treatment, psychosocial issues, accelerated drug development and large initiatives that help change the landscape of cancer care—and offer help and hope to patients and families from around the world.



HOW PELOTONIA DOLLARS ARE INVESTED

100% of every dollar raised goes directly to cancer research at The James at Ohio State.



COLLEGE OF
MEDICINE



COLLEGE OF
PUBLIC HEALTH



COLLEGE OF
NURSING



COLLEGE OF
DENTISTRY



COLLEGE OF
PHARMACY

COLLABORATION: HELPING CANCER RESEARCH GO FURTHER, FASTER

➔ 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.



COLLEGE OF
VETERINARY
MEDICINE

COLLEGE OF
FOOD,
AGRICULTURAL AND
ENVIRONMENTAL
SCIENCES



COLLEGE OF
LAW



COLLEGE OF
EDUCATION AND
HUMAN ECOLOGY



COLLEGE OF
ENGINEERING



COLLEGE OF
ARTS AND
SCIENCES



567 PELTONIA FELLOWSHIPS

have been awarded
since 2010



Approximately **46%** of the Pelotonia Fellowships awarded to date have been awarded to undergraduates, **30%** has funded graduate students, **1%** has supported medical students and **23%** has attracted and/or retained postdoctoral fellows, including many international trainees.

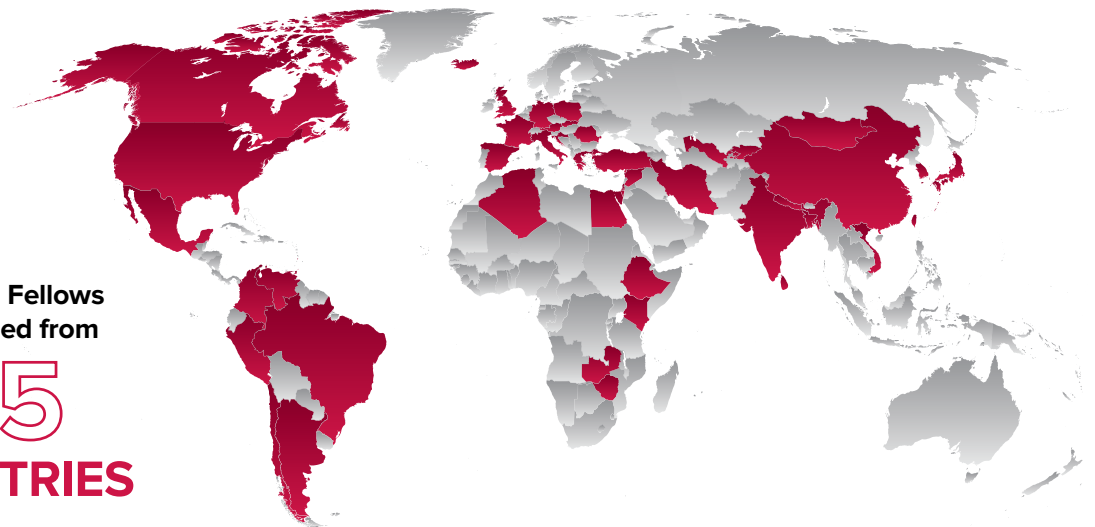


Fellows who were born in the
United States originate from

**33
STATES**



Pelotonia Fellows
have hailed from
**45
COUNTRIES**



1 Algeria	3 Colombia	1 Iceland	1 Saint Lucia	1 Poland	351 United States
1 Argentina	1 Croatia	53 India	5 South Korea	1 Romania	1 Uzbekistan
2 Austria	5 Egypt	3 Iran	1 Spain	1 Slovakia	2 Venezuela
1 Bangladesh	1 Ethiopia	1 Israel	1 Sri Lanka	2 Syria	2 Vietnam
4 Brazil	1 France	6 Italy	3 Mexico	1 Trinidad and Tobago	1 Zambia
4 Canada	5 Germany	4 Japan	1 Mongolia	3 Turkey	1 Zimbabwe
2 Chile	1 Great Britain	1 Kenya	2 Nepal	11 Taiwan	23 Undisclosed
48 China	1 Greece	1 Kyrgyzstan	1 Peru		



UNDERGRAD: 262

GRADUATE: 168

POSTDOC: 131

MED
STUDENT: 6

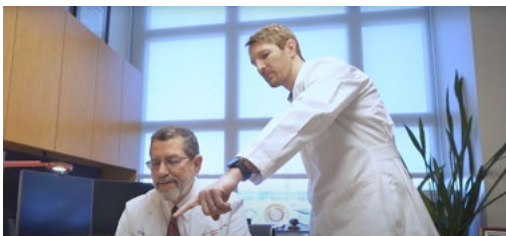
= About 10 Fellows

INSPIRING INNOVATION: IDEA GRANTS

External grant funding can be hard to obtain for pursuing innovative ideas in cancer research, but Pelotonia-funded Idea Grants help Ohio State scientists overcome that problem.

Each year, the OSUCCC – James awards several Idea Grants that enable teams of faculty researchers to gather early data for their insightful projects so they can later apply for larger grants for this work from sources such as the National Cancer Institute.

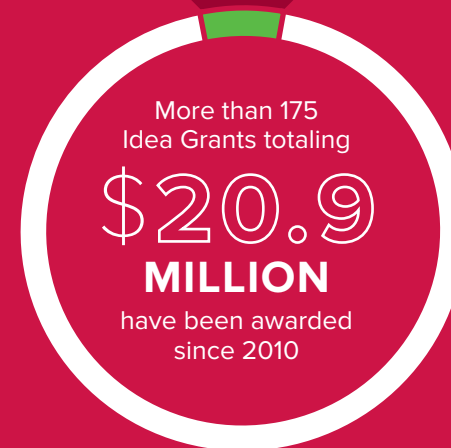
➔ *Idea Grants are two-year awards and up to \$200,000 each.*



 **WATCH NOW**



IDEA GRANTS
totaling \$1.245 million
were awarded in 2020



The 175 Idea Grants were awarded to more than 180 investigators across nine of the 15 colleges at The Ohio State University (and at Nationwide Children's Hospital and Cincinnati Children's Hospital Medical Center).

25

awards
now support
clinical trials

42

Pelotonia Idea Grants
went on to be awarded
NCI funding or other
external grants

151

publications
resulted from
Idea Grants



Bei Liu, MD, MPH



Dongjun Chung, PhD

BRINGING TOP CANCER RESEARCHERS TO OHIO STATE

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

In the past few years, the OSUCCC – James has recruited more than 87 senior- and junior-level medical scientists who have received direct funding support from Pelotonia.

Two prominent senior-level scientists recruited this year:

- ➔ **Bei Liu, MD, MPH**, was recruited to Ohio State from the Medical University of South Carolina as a member of the PIIO at the OSUCCC – James. She also is a professor in the College of Medicine, Department of Internal Medicine, Division of Hematology.
- ➔ **Dongjun Chung, PhD**, was recruited to Ohio State from the Medical University of South Carolina as an associate professor in the Department of Biomedical Informatics (BMI) within the College of Medicine.



STATEWIDE INITIATIVES: PELOTONIA-FUNDED PROJECTS FOCUSED ON COLORECTAL, ENDOMETRIAL, LUNG AND BREAST CANCER IN OHIO



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.

[Learn more about our statewide initiatives online.](#)

GO

PELOTONIA INSTITUTE FOR IMMUNO-ONCOLOGY (PIIO) MAKES BIG FIRST-YEAR STRIDES

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

PIIO Founding Director **Zihai Li, MD, PhD**, is excited about the institute's first-year accomplishments. "We're developing superior capabilities in immune-monitoring, artificial intelligence and immuno-informatics to accelerate the development of cancer immunotherapies. This work will ultimately result in treatments that are more effective and less toxic, perhaps even resulting in cures. **It's a very exciting time to be part of this research,**" says Li.

CELL THERAPY,

where immune cells are collected from a patient's blood, engineered and returned to that patient to target and eradicate cancer. This includes adoptive cell therapy with T cells and natural killer cells.

To guide PIIO research efforts, the institute is organized into four interconnected centers of research excellence:

TRANSLATIONAL IMMUNO-ONCOLOGY,

an area that focuses on transforming immuno-oncology discoveries into new or improved cancer treatments applicable at patient bedsides. This team works with the Drug Development Institute at the OSUCCC – James on developing new drug therapies.

CANCER IMMUNO-GENOMICS,

a program conducted in partnership with Nationwide Children's Hospital that involves understanding the relationship between cancer genomics and immune evasion. This includes epigenetics, neo-antigen vaccines, epitope prediction, TCR repertoire analysis, HLA typing and CRISPR screening.

SYSTEMS IMMUNO-ONCOLOGY,

which seeks a better understanding of cellular systems to create more efficient and effective immunological tools to fight cancer. This includes immune regulation, microbiome, natural killer (NK) cell and T-cell biology, and tumor microenvironment.

→ WHAT'S NEXT?

Li expects to recruit an **additional 20 researchers** to the PIIO over the next two years, with ambitious plans to open **up to 130 immuno-oncology clinical trials** over the next five years and create a strong pipeline of new cancer immuno-therapeutics, many of them driven by Ohio State discoveries that will be tested at patient bedsides.

100%

FOR CANCER RESEARCH

Thanks to Pelotonia's key funding partners, every dollar raised goes directly to cancer research at The James at Ohio State.



Major Funding Partners

AEP Foundation

Huntington

L Brands Foundation

Peggy and Richard Santulli

Supporting Funding Partner

Harold C. Schott Foundation

Notable Funding Partners

Cardinal Health

Diamond Hill Capital Management

Nationwide



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 the third-largest cancer hospital in the nation and 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**.

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To learn more, visit us at
cancer.osu.edu or connect
with us on social media.

