



see blue.

2015-2020 STRATEGIC PLAN

Research and Scholarship

2015-2020 STRATEGIC PLAN

OVERVIEW OF STRATEGIC OBJECTIVE 4

Expand our scholarship, creative endeavors, and research across the full range of disciplines to focus on the most important challenges of the Commonwealth, our nation, and the world.



Invest in areas of existing and emerging research strength



Recruit and retain talent to support research and scholarship



Improve the quality of the research infrastructure across campus



Strengthen the translation of research and creative work for public benefit

2015-2020 STRATEGIC PLAN

EXPECTED RESULTS

Metric	Definition	Baseline	2020 Goal
Total R&D Expenditures	HERD Total Research expenditures	\$328.2 M	\$364 M
	HERD Federal Research expenditures	\$142.3 M	\$159 M
Research Impact	Doctoral programs in top quartile of discipline	12.5%	20%
	Proportion of publications cited in the top 50% of discipline	51.1%	TBD
Space	R&D Expenditures \$/Square Foot	\$191	\$300
Licenses	Exclusive Licenses	100	177
	License Income	\$3.3 M	\$3.5 M

2015-2020 STRATEGIC PLAN

OVERVIEW OF IMPLEMENTATION

Of the 14 action steps, all are currently in progress or completed in Year One of implementation.

Status of Action Steps by Strategy: Research and Scholarship	Not Started	In Progress/ On Track	Completed	Total
1 Invest in areas of existing and emerging research strength	0	4	1	5
2 Recruit people to support research and scholarship	0	3	0	3
3 Improve the quality of the research infrastructure across campus	0	4	0	4
4 Strengthen the translation of research and creative work for public benefit	0	2	0	2
TOTAL	0	13	1	14

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IMPACT STORIES

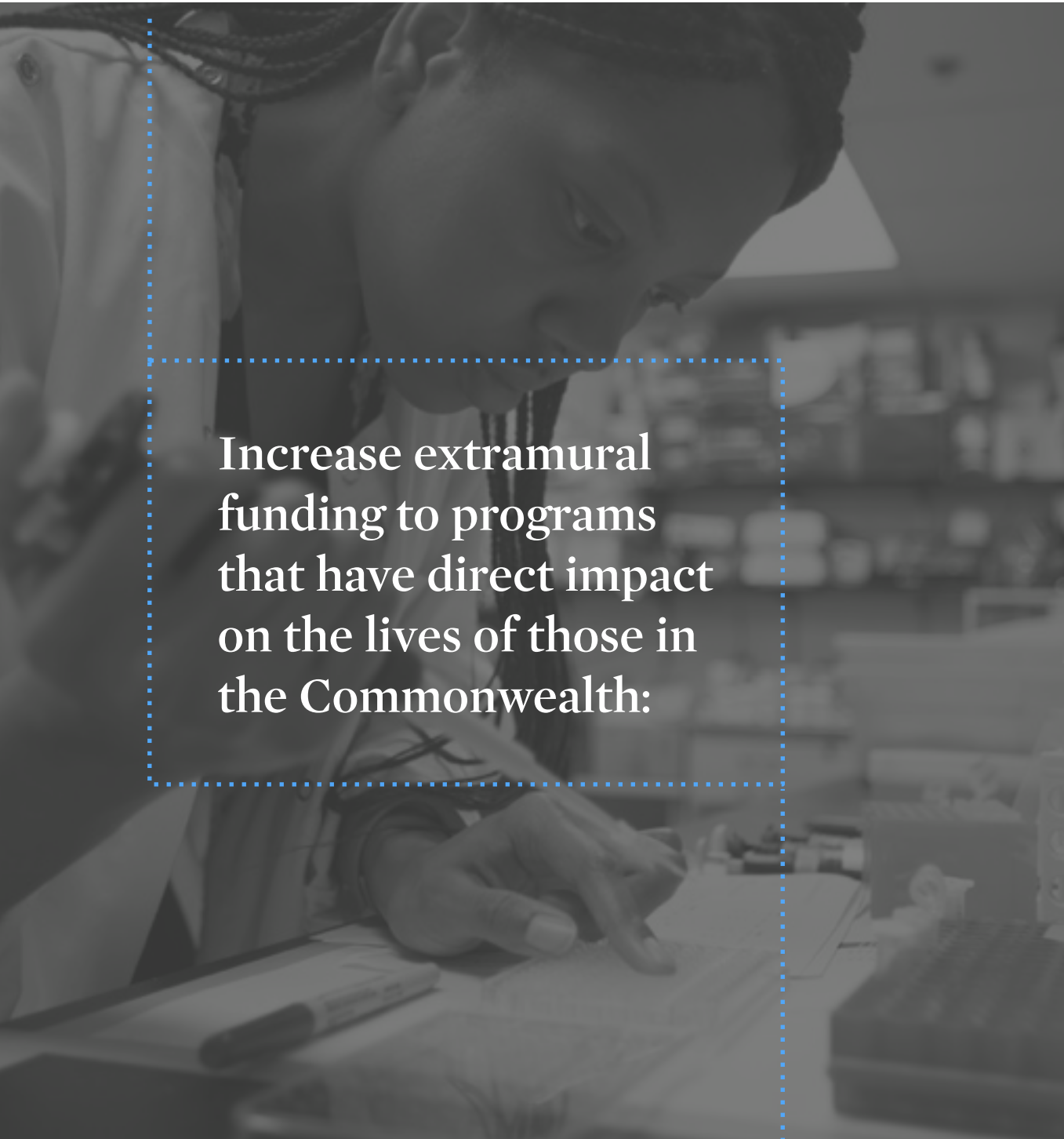


Support for creative work in areas where extramural funding is not an expectation:

- University-wide Research Professorship program redesigned to recognize excellence in research/creative work across all 16 colleges and UK Libraries
- Provision of recurring financial support for creative work in the arts and humanities

2015-2020 STRATEGIC PLAN

IMPACT STORIES



Increase extramural funding to programs that have direct impact on the lives of those in the Commonwealth:

- Increased extramural grants and contracts awarded to UK investigators by 11%
- Renewal of the National Institutes of Health Clinical and Translational Science Award
- Renewal of the National Institutes of Health Alzheimer's Disease Center
- The Institute of Bioinformatics received an NSF Major Research Instrumentation Grant of \$2.8 million for the Kentucky Research Informatics Cloud

2015-2020 STRATEGIC PLAN

IMPACT STORIES

Improvement of the research infrastructure:

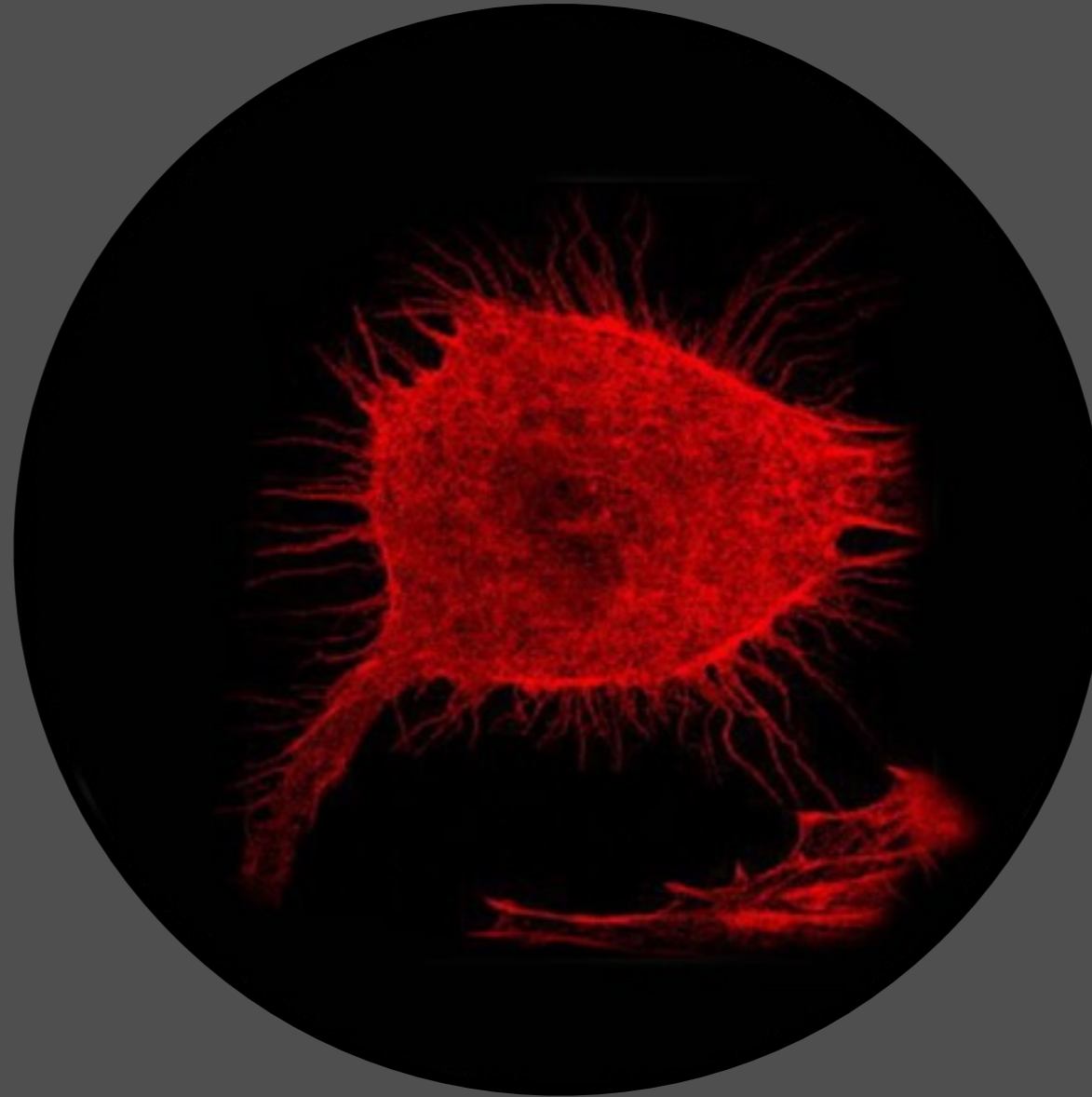
Purchased two new high-end research microscopes



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IMPACT STORIES

High-resolution scanning confocal microscope

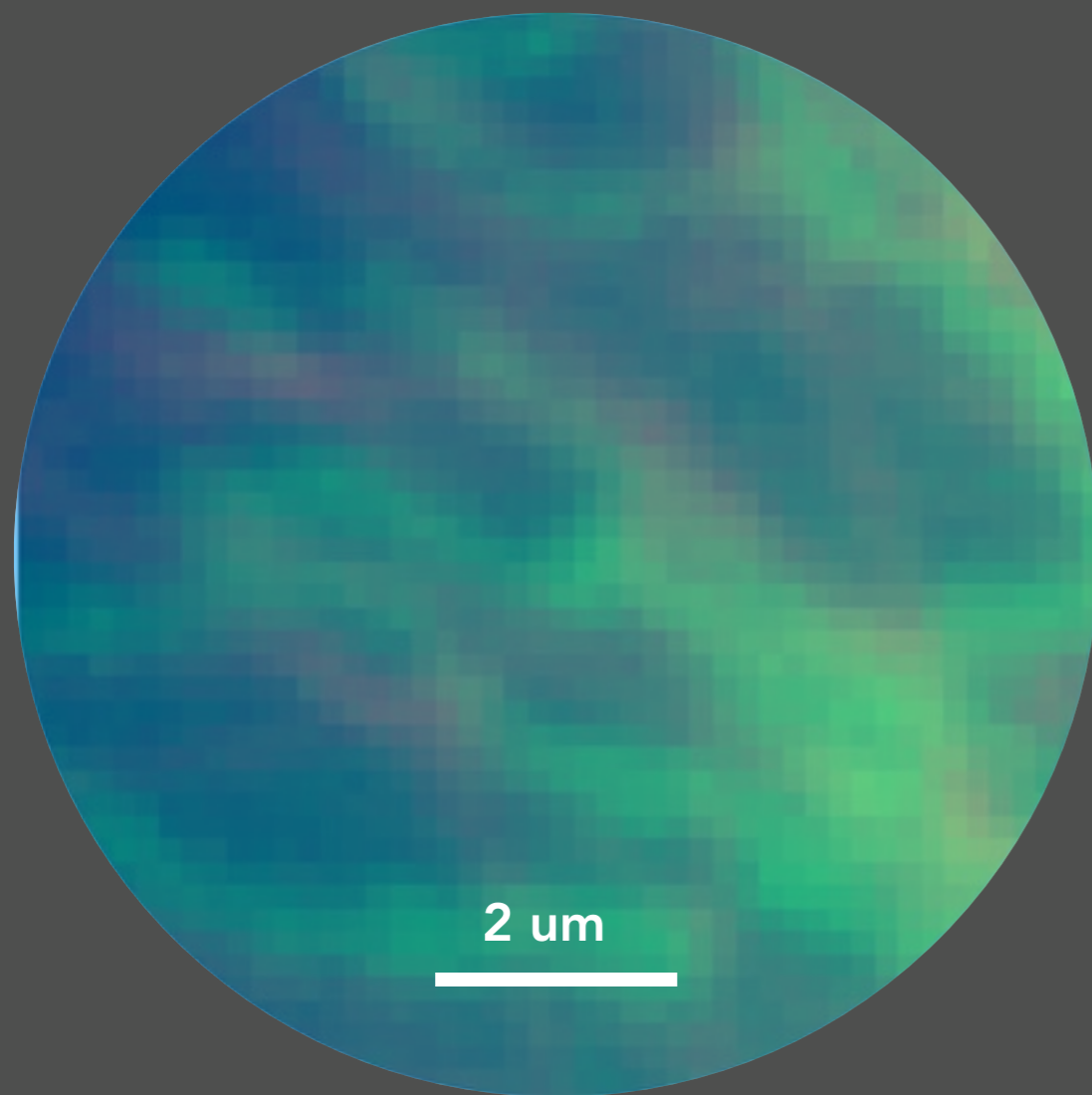


Live-cell imaging

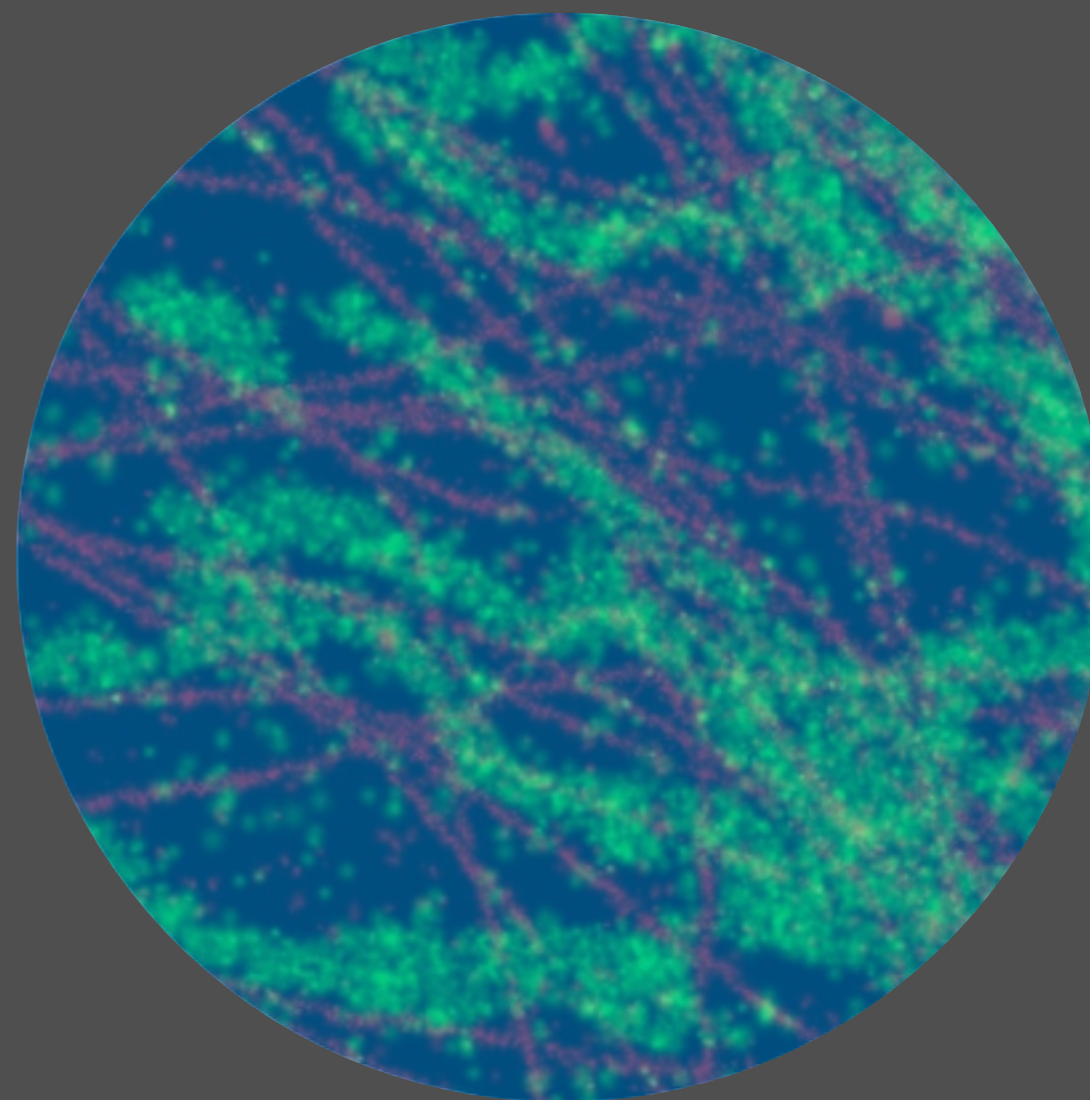
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IMPACT STORIES

Super-resolution, multi-color microscope system



Conventional



N-STORM

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IMPACT STORIES

Improvement of the research infrastructure:



Purchased two new high-end research microscopes



Recruited leadership within the research infrastructure



Re-envisioned structure of research support units to facilitate success



Groundbreaking for \$265 million multidisciplinary research building

2015-2020 STRATEGIC PLAN

RESULTS

Metric	Definition	Baseline	FY 2015	2020 Goal
Total R&D Expenditures	HERD Total Research Expenditures	\$328.2 M	\$331.7 M*	\$364 M
	HERD Federal Research Expenditures	\$142.3 M	\$146.5 M*	\$159 M
Research Impact	Doctoral programs in top quartile of discipline	12.5%	n/a	20%
	Proportion of publications cited in the top 50% of discipline	51.1%	n/a	TBD
Space	R&D Expenditures \$/Square Foot	\$191	\$197	\$300
Licenses	Exclusive Licenses	100	101	177
	License Income	\$3.3 M	\$1.0 M	\$3.5 M

*Preliminary, unpublished data

2015-2020 STRATEGIC PLAN

YEAR TWO PRIORITIES

YEAR ONE

Lessons learned from Year One:

- We must continue to refine metrics in definition and source (e.g., space expenditures, and graduate school rankings)

YEAR TWO

Statement of Year Two priorities:

- Submit NIH National Cancer Institute Comprehensive Cancer Center application
- Develop policies and procedures that align the allocation of laboratory space in multidisciplinary research buildings with thematic goals to address health disparities through interdisciplinary research (e.g., Research Building 2)

Space allocations should thematically align with health disparities under study to perform interdisciplinary research that has significant impact on the health of Kentuckians

- Develop policies and procedures for financial support of new multidisciplinary research centers/institutes that perform research addressing problems of the Commonwealth
- Develop infrastructure, approaches, policies, and procedures to promote team-based interdisciplinary research



QUESTIONS