


# RESEARCH + INNOVATION

## NEWSLETTER

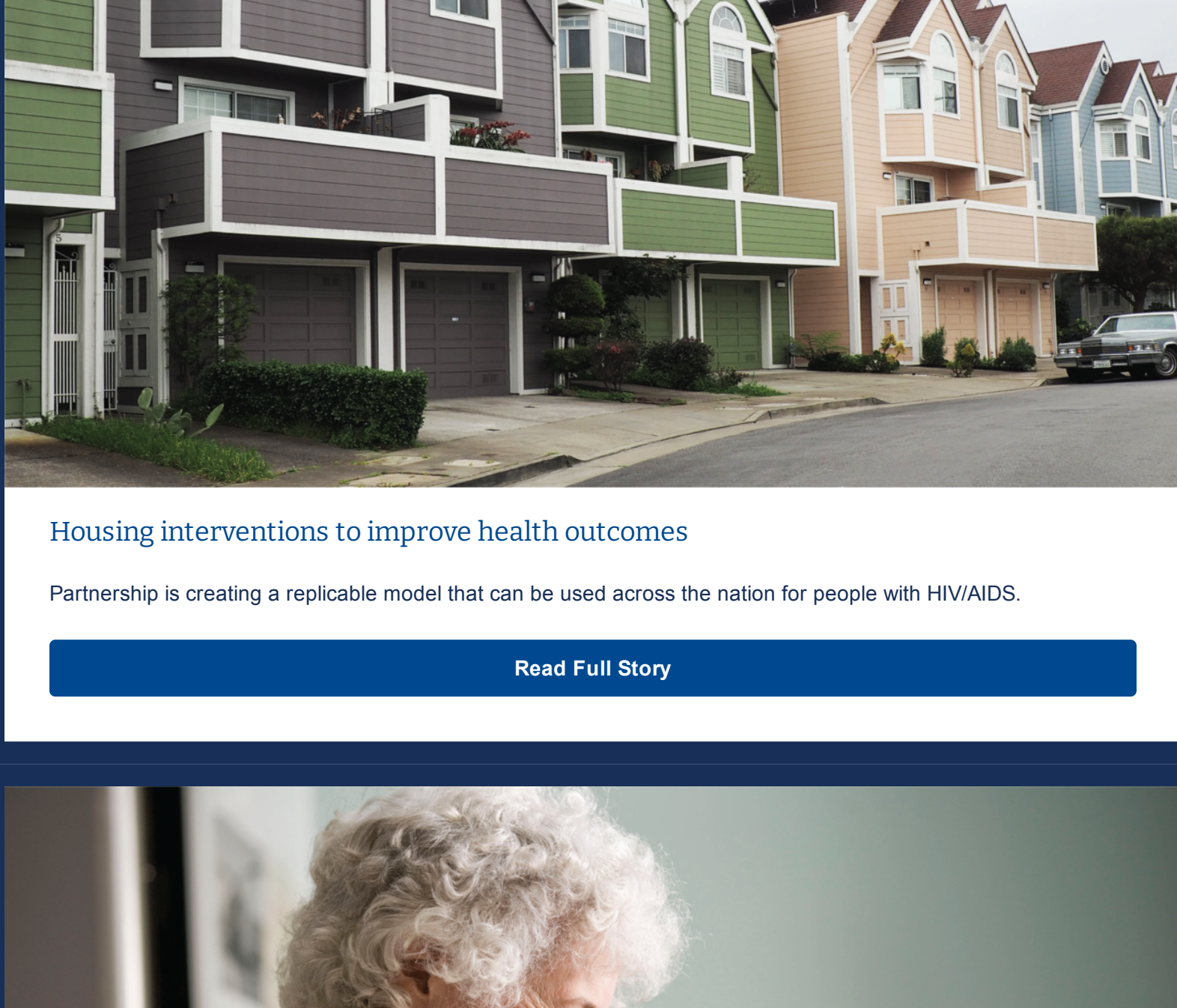
A Tennessee Flagship Carnegie R1 Research Institution.



**Enhancing diversity and equality in healthcare**

LCON projects and research are driving change for nurses and for those they serve.

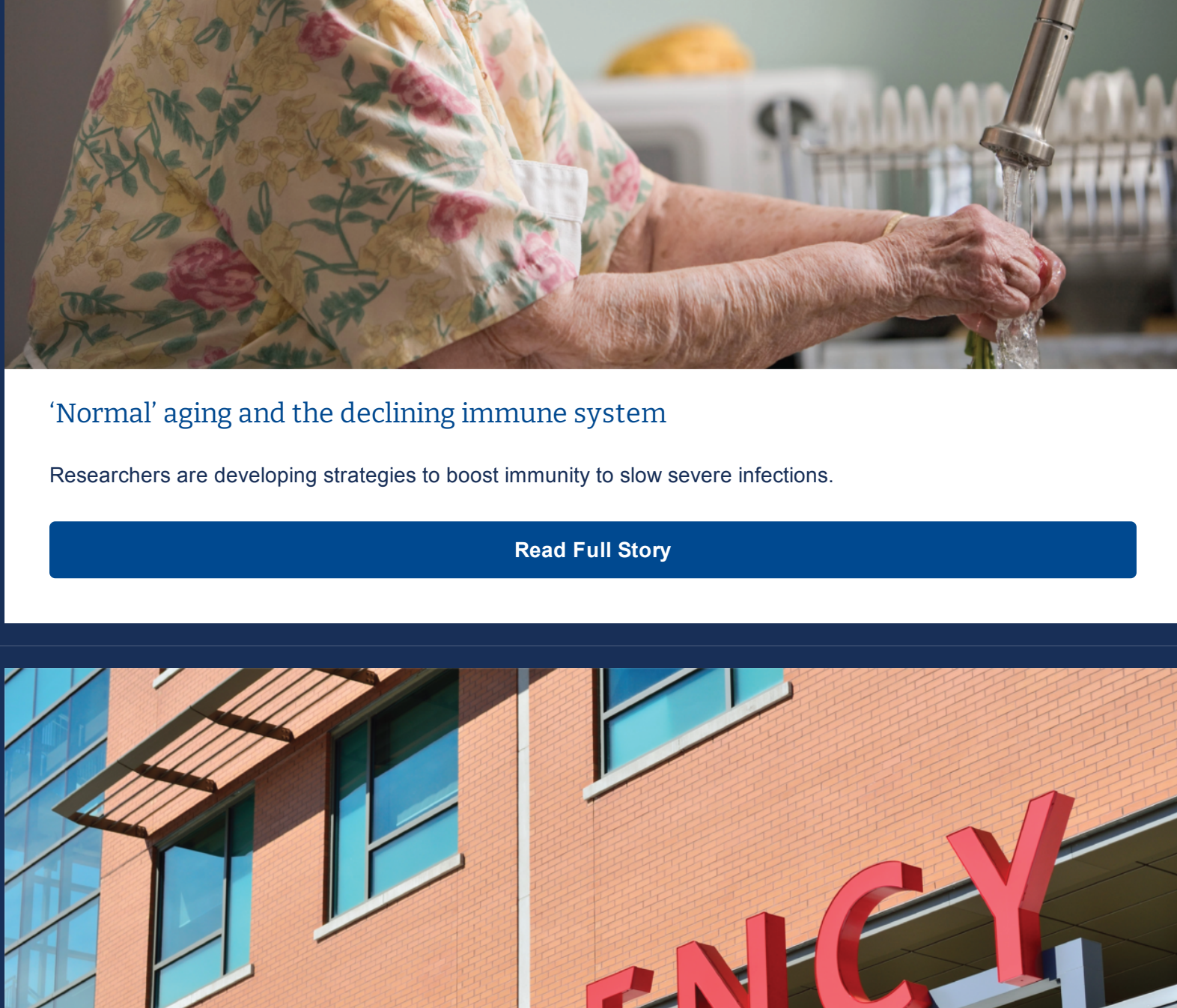
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**Housing interventions to improve health outcomes**

Partnership is creating a replicable model that can be used across the nation for people with HIV/AIDS.

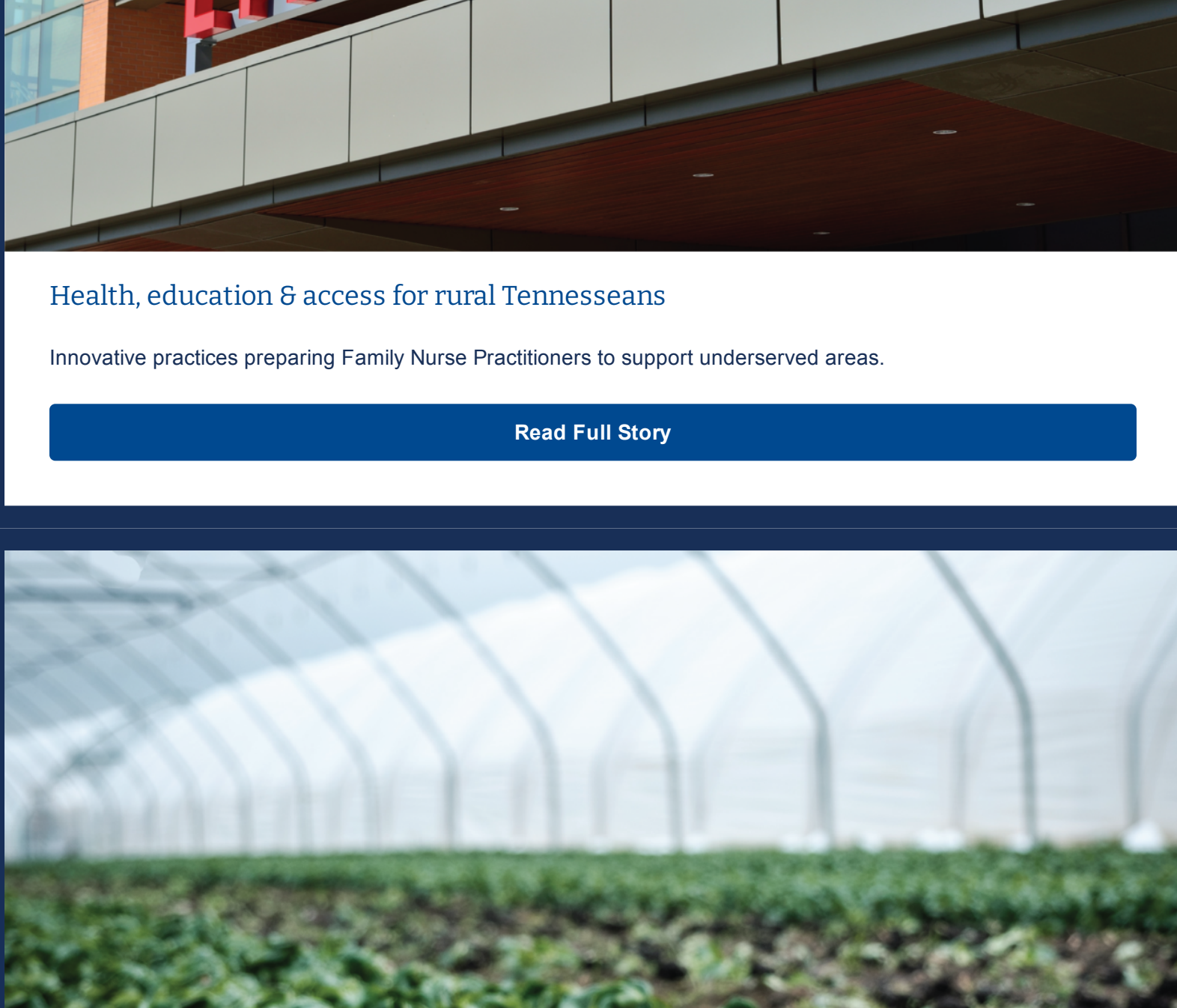
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**'Normal' aging and the declining immune system**

Researchers are developing strategies to boost immunity to slow severe infections.

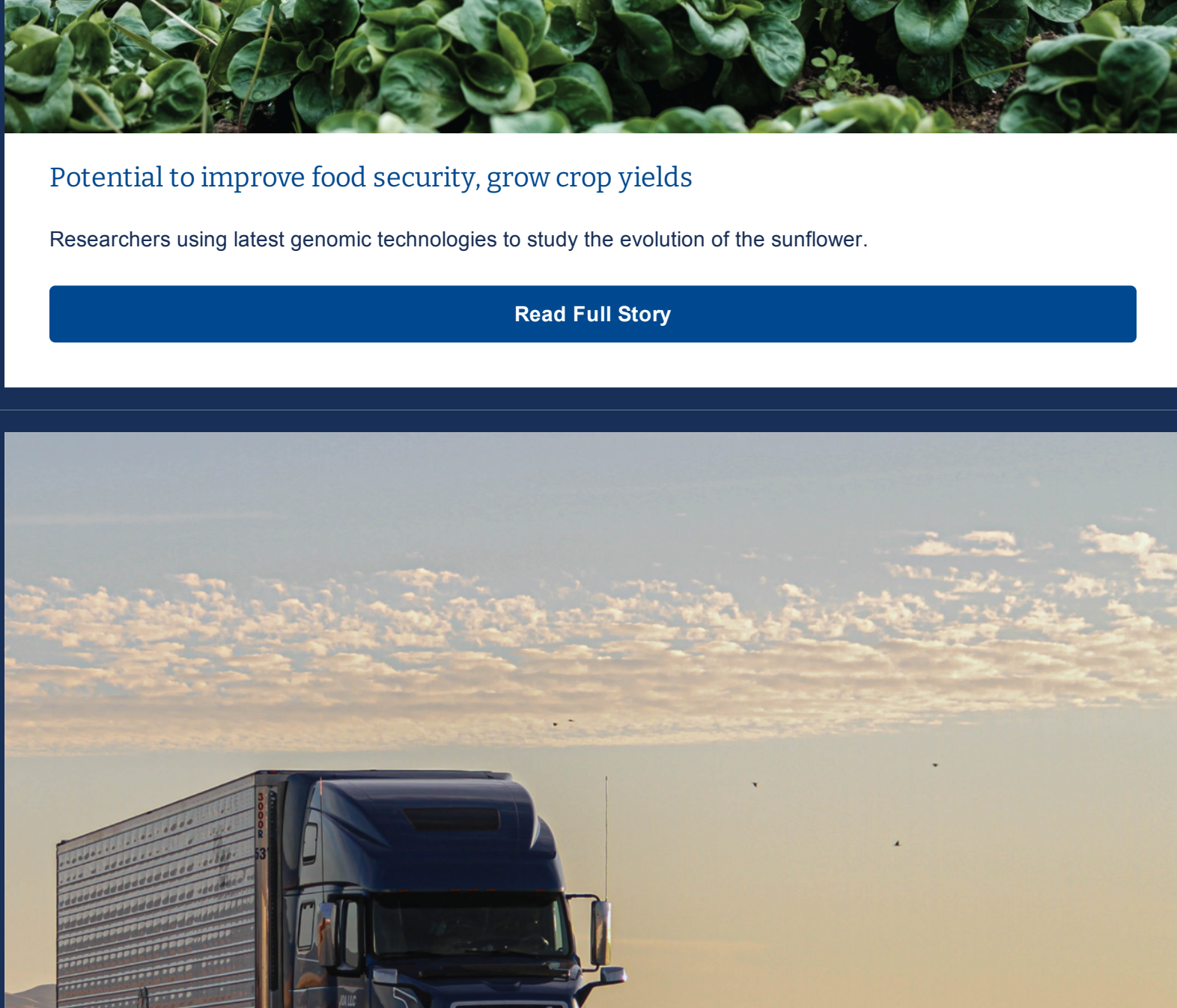
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**Health, education & access for rural Tennesseans**

Innovative practices preparing Family Nurse Practitioners to support underserved areas.

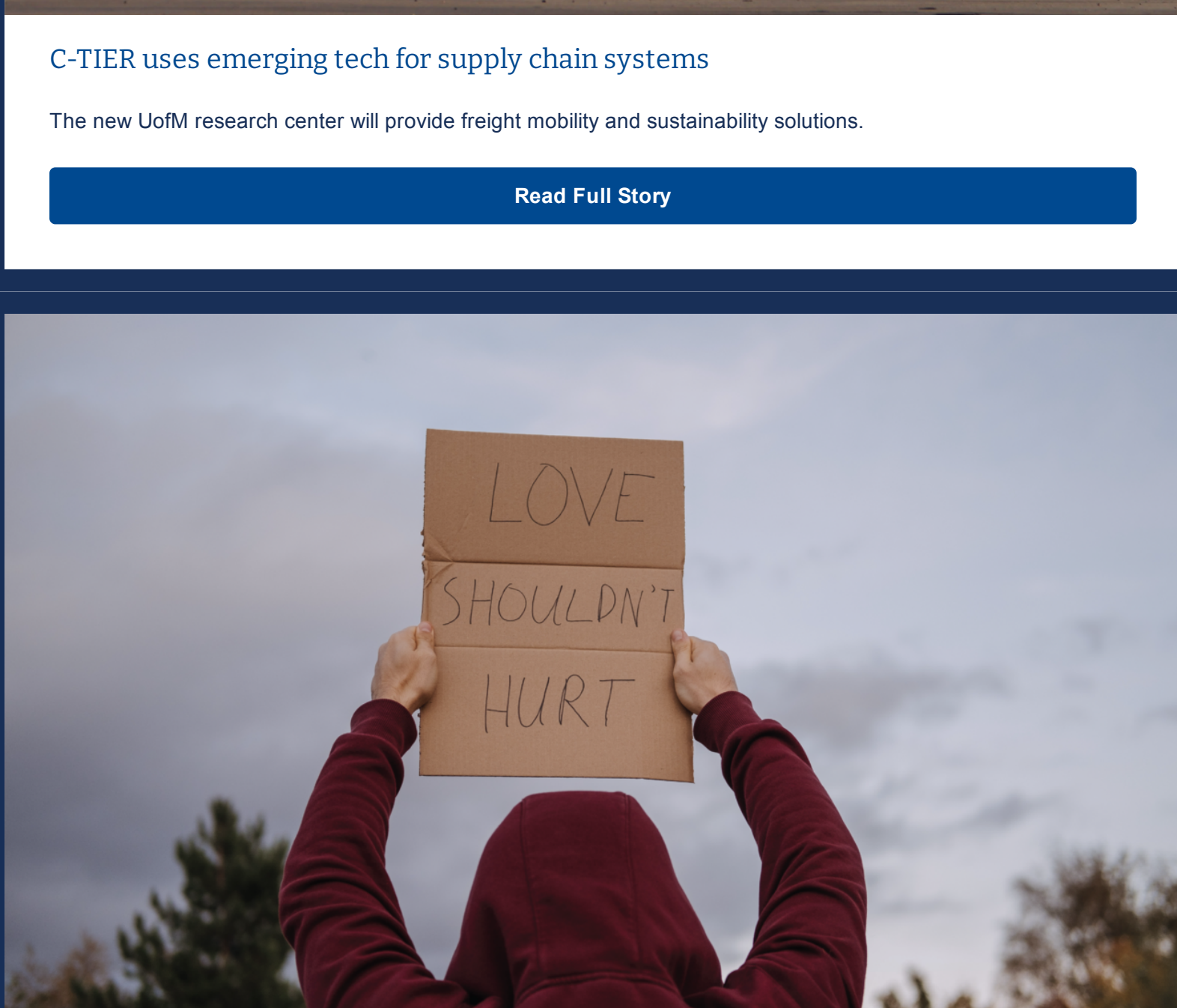
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**Potential to improve food security, grow crop yields**

Researchers using latest genomic technologies to study the evolution of the sunflower.

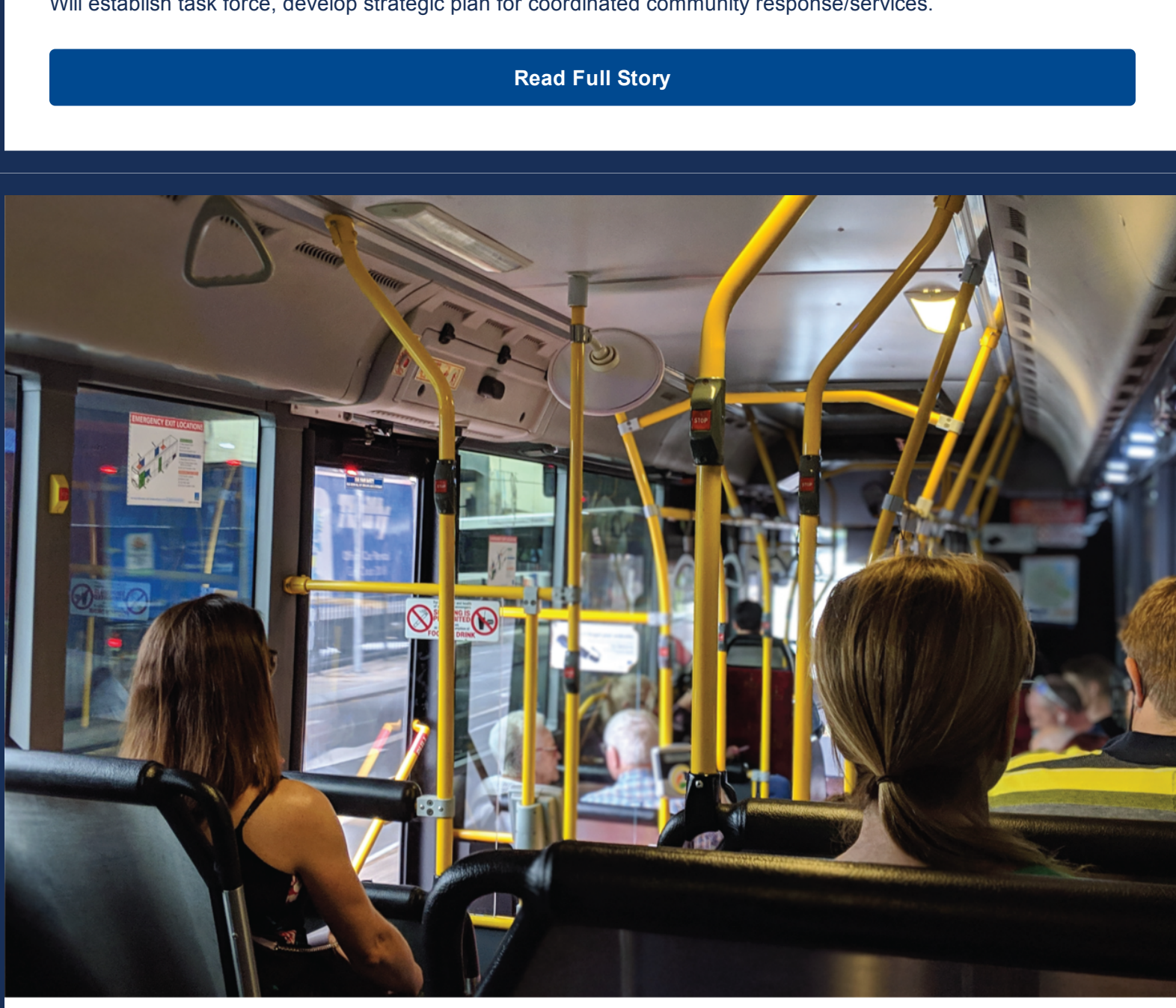
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**C-TIER uses emerging tech for supply chain systems**

The new UofM research center will provide freight mobility and sustainability solutions.

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**Addressing domestic violence in Shelby County**

Will establish task force, develop strategic plan for coordinated community response/services.

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**Faculty help advance TN transportation system**

The State of Tennessee is leveraging research expertise for state-wide initiatives.

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**From slow to fast, micro to macro, single to cascades**

A multi-scale study of seismic events triggering both in the lab and also in nature.

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### Research-Industry intersection series

UMRF Research Park hosting a series to connect UofM faculty with industry leaders.

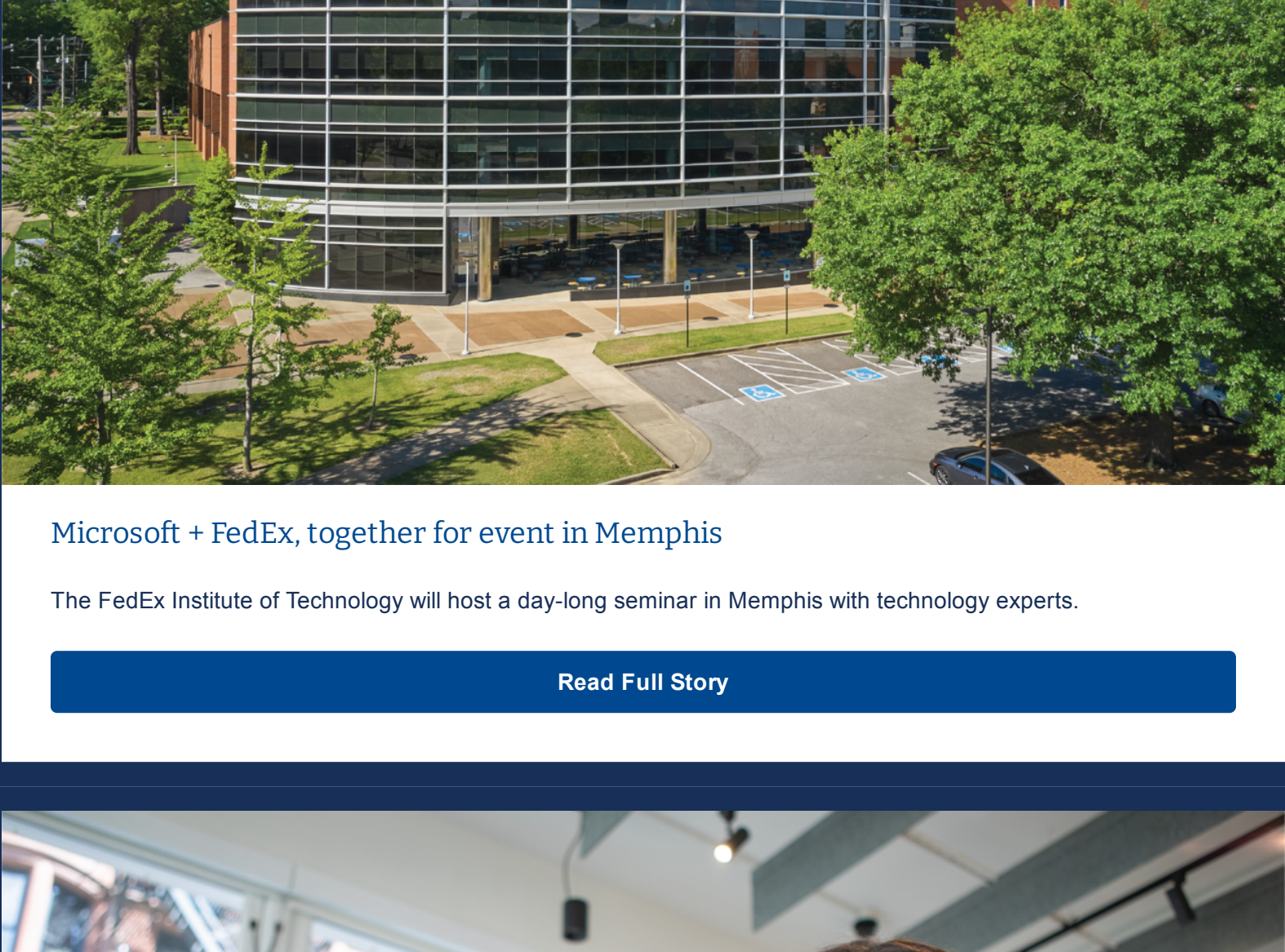
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### UofM convenes NSF regional innovation team

UofM brings together community partners to cultivate innovation culture for Phase 2 grants.

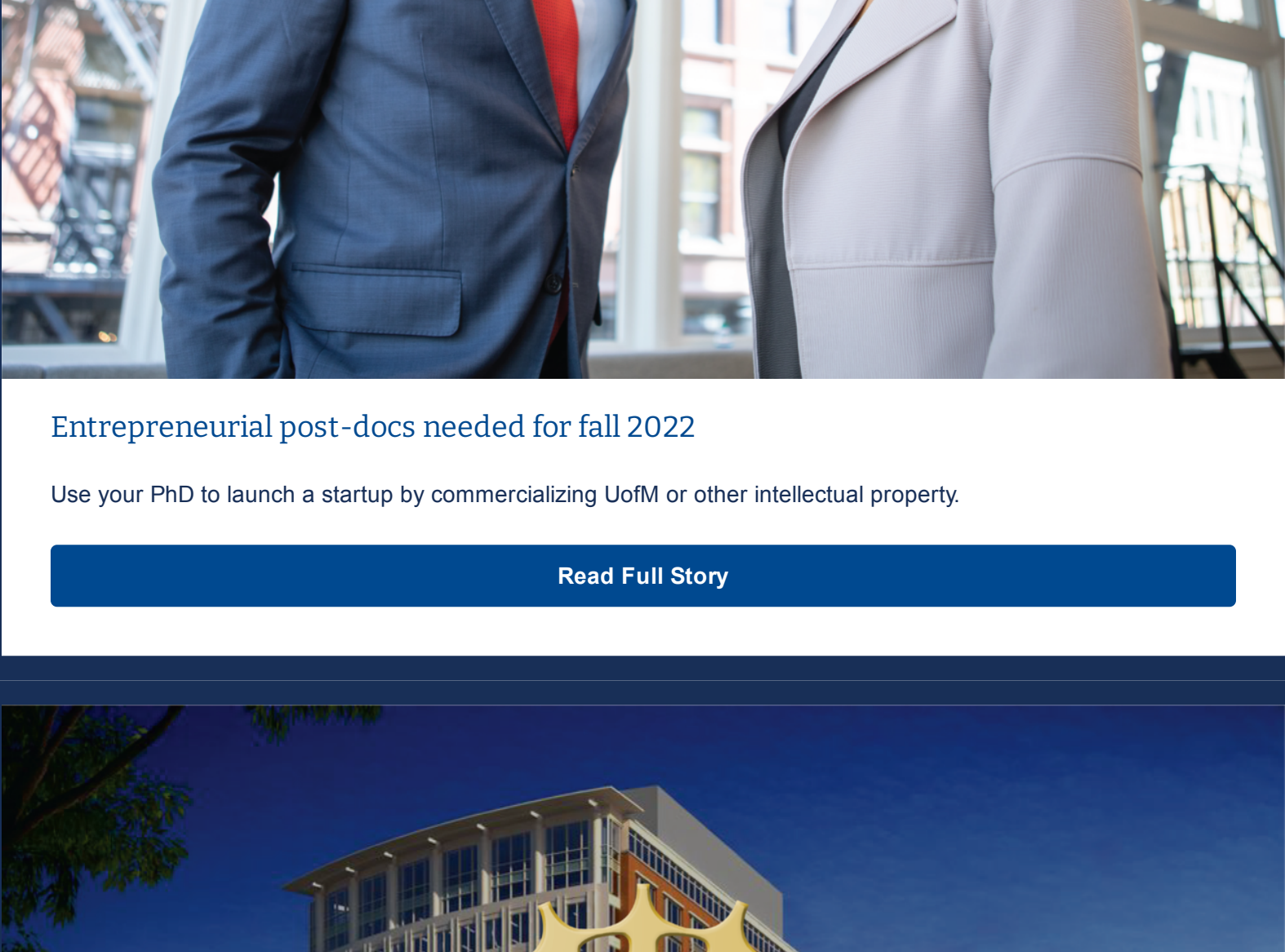
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### Microsoft + FedEx, together for event in Memphis

The FedEx Institute of Technology will host a day-long seminar in Memphis with technology experts.

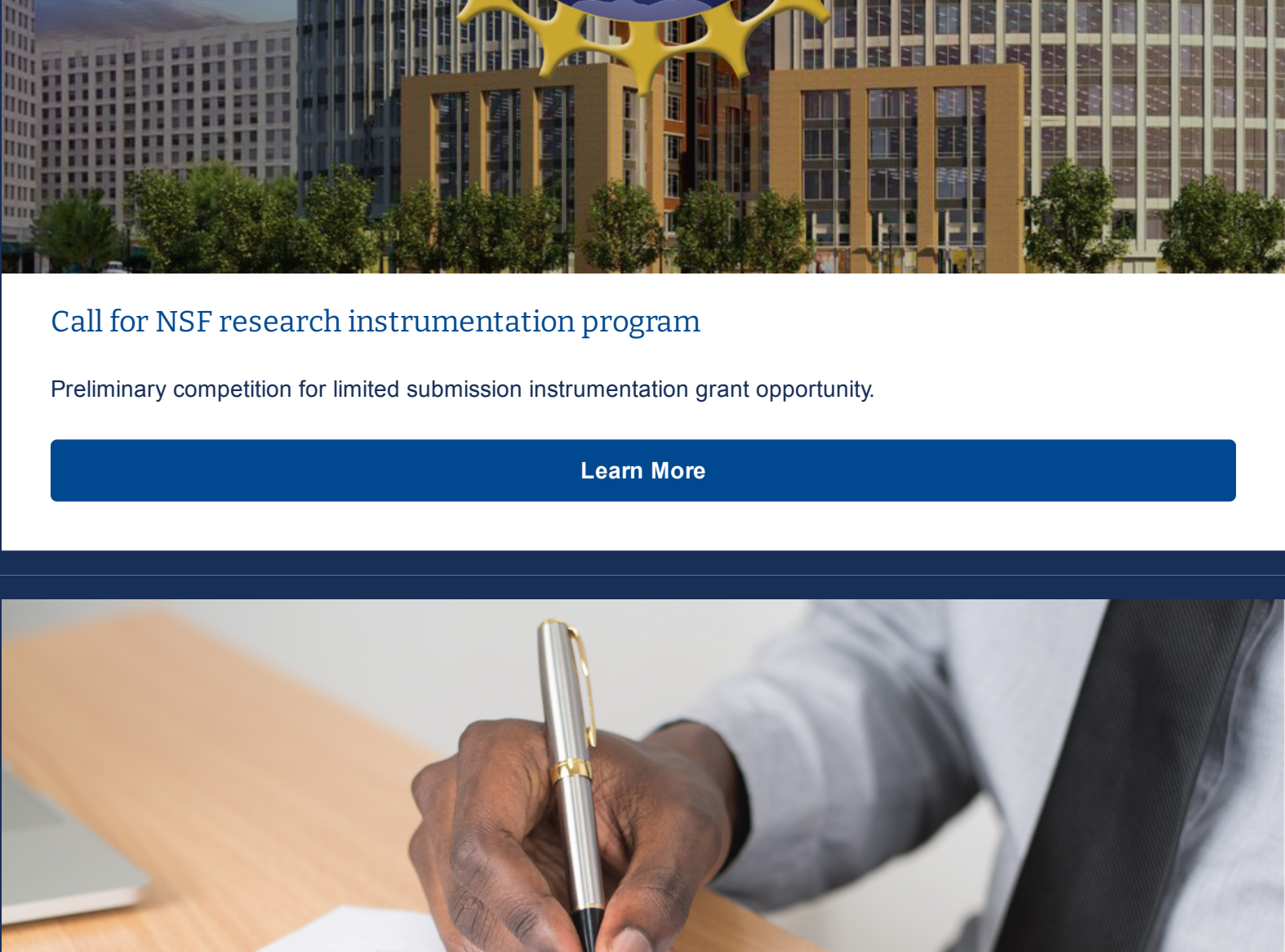
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### Entrepreneurial post-docs needed for fall 2022

Use your PhD to launch a startup by commercializing UofM or other intellectual property.

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### Call for NSF research instrumentation program

Preliminary competition for limited submission instrumentation grant opportunity.

[Learn More](#)



### Upcoming funding opportunities

Recently published opportunities for researchers from the CDC, DOE, DOL, NIH and NSF.

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### Calendar of Events September 2022

Events for Research Development, OSP, UMRF Research Park and FedEx Institute of Technology.

[See Full List](#)

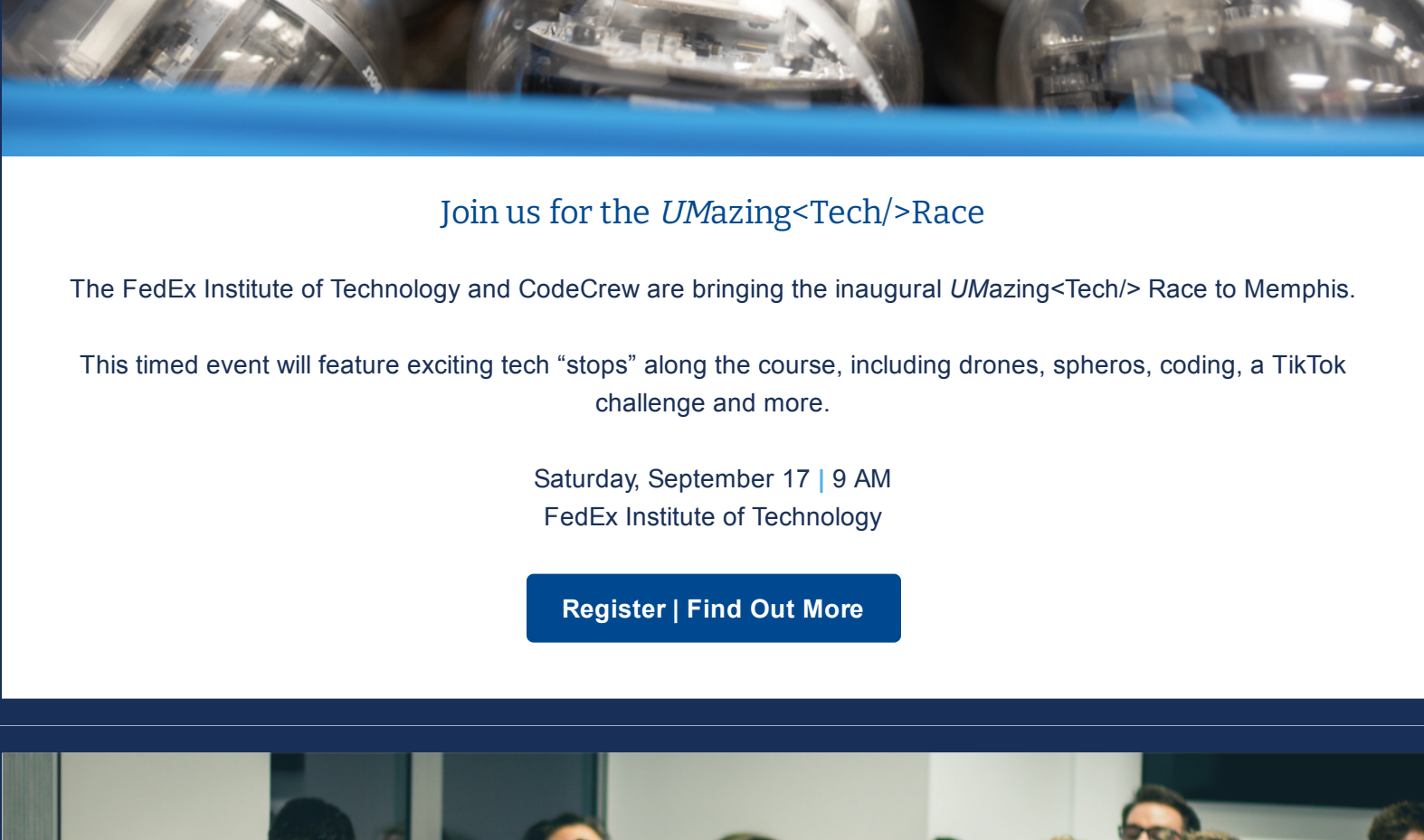
## Research Awards August 2022

- Dr. **Steven West** awarded \$1,136,516 from the Health Resources and Services Administration.
- Dr. **Marian Levy** awarded \$448,872 from the Shelby County Health Department with the Centers For Disease Control.
- Dr. **Daniel Foti** awarded \$406,825 from the University of Central Florida with the United States Army Research Laboratory.
- Dr. **Kan Yang** awarded \$397,084 from FedEx Corporate Services, Incorporated.
- Dr. **Kathryn Ramsey** awarded \$350,000 from The Urban Child Institute.
- Dr. **Irena Lasiecka** awarded \$340,000 from the National Science Foundation.
- Dr. **Melissa Hirschi** awarded \$331,508 from the Health Resources and Services Administration.
- Dr. **Kevin Berisso** awarded \$255,000 from the GS1 U.S. Incorporated.
- Dr. **Sabyasachee Mishra** awarded \$250,000 from the Tennessee Department of Transportation with the Federal Highway Administration; \$149,832 from the National Science Foundation; \$99,000 from the Florida Atlantic University with the U.S. Department of Transportation; and two \$20,000 awards from the National Science Foundation.
- Dr. **Michail Gkolias** awarded \$225,000 from the Tennessee Department of Transportation and \$121,243 from the Florida Atlantic University with the U.S. Department of Transportation.
- Dr. **Brian Waldron** awarded \$181,295 from the Tennessee Department of Transportation with the Federal Highway Administration.
- Dr. **Mitchell Withers** awarded \$154,194 from the U.S. Geological Survey.
- Dr. **Scott Schoeferacker** awarded \$96,313 from the City of Millington.
- Dr. **Richard Bloomer** awarded \$79,574 from Liquid IV, and \$18,000 from the Tennessee Department of Mental Health and Substance Abuse Services with the U.S. Department of Health and Human Services.
- Dr. **Duane McKenna** awarded \$24,999 from the National Science Foundation.
- Dr. **Velma Zahirovic-Herbert** awarded \$20,000 from the Land Economic Foundation.
- Dr. **Amaia Iratzoqui-Greenfield** awarded \$14,994 from the City of Memphis Police Department with the U.S. Department of Justice.
- Dr. **Matthew Smeltzer** awarded \$11,934 from the University of Tennessee Health Science Center with the National Institutes of Health.
- Dr. **Lan Wang** awarded \$26,613 from the Peraton Labs Inc with the Defense Advanced Research Projects.
- Dr. **Wendy Griswold** awarded \$25,000 from Kansas State University with the U.S. Environmental Protection Agency.
- Dr. **Jamie Brunson** awarded \$5,000 from the Spectrum Institute for Teaching and Learning.

\* Data reported the 18th of each month. Awards finalized after the 18th will be reported the following month.

Full project and award details available [here](#).

## Upcoming Events



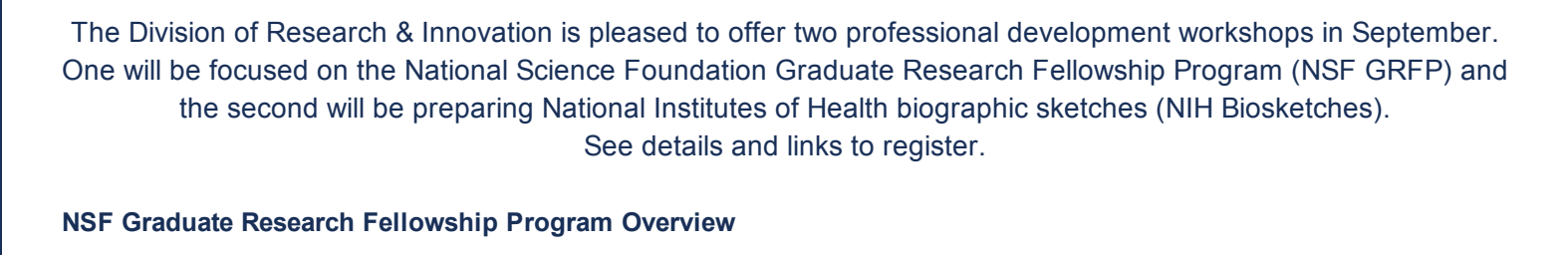
### Join us for the *UMazing<Tech/>Race*

The FedEx Institute of Technology and CodeCrew are bringing the inaugural *UMazing<Tech/>Race* to Memphis.

This timed event will feature exciting tech "stops" along the course, including drones, spheros, coding, a TikTok challenge and more.

Saturday, September 17 | 9 AM  
FedEx Institute of Technology

[Register | Find Out More](#)



### NSF and NIH Professional Development Workshops

The Division of Research & Innovation is pleased to offer two professional development workshops in September. One will be focused on the National Science Foundation Graduate Research Fellowship Program (NSF GRFP) and the second will be preparing National Institutes of Health biographic sketches (NIH Biosketches).

See details and links to register.

[NSF Graduate Research Fellowship Program Overview](#)



Program overview and application preparation guidance  
Date/Time: Thursday, September 8 | 2-3 PM | [ZOOM](#)

**Preparing Biosketches for NIH Grant Submissions**

Strategies and guidance for preparing biographical sketches for NIH grant submissions.  
Date/Time: Friday, September 23 | 2-3 PM | [ZOOM](#)

[Read Full Details](#)



**Research Leadership  
Professional Development Series**

Join the Herff College of Engineering, College of Arts & Sciences, College of Education, and the Division of Research & Innovation as we launch the 2022-23 Research Leadership Professional Development Series! Our first session will highlight the top challenges leaders will face in 2023 and beyond along with strategies to mitigate these issues.

Friday, September 23 | NOON-1 PM  
FedEx Institute of Technology

*Register by September 16*

[Register | Find Out More](#)

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