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The Max Harry  
**Weil Institute**  
AT THE UNIVERSITY OF MICHIGAN

NEWS  
SPRING 2022

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## Weil Institute invests \$2M in the development of new preclinical models of critical illness and injury

The result of a major multi-departmental and multi-school collaboration, the investment will support the Weil Institute's unique preclinical critical care lab to advance translational research in critical care over the next 5 years.

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### Traumatic brain injury (TBI) experts from across the nation convened at Michigan Stadium for the 2022 Joyce Massey TBI Summit

May 5 marked the fourth biennial Joyce Massey TBI Summit. Presented by the Weil Institute, the summit brought together experts in traumatic brain injury to share their latest research and discuss the future of the field.

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### Weil Institute & Michigan Medicine awarded \$1.15M grant to develop preclinical model of brain injury following cardiac arrest

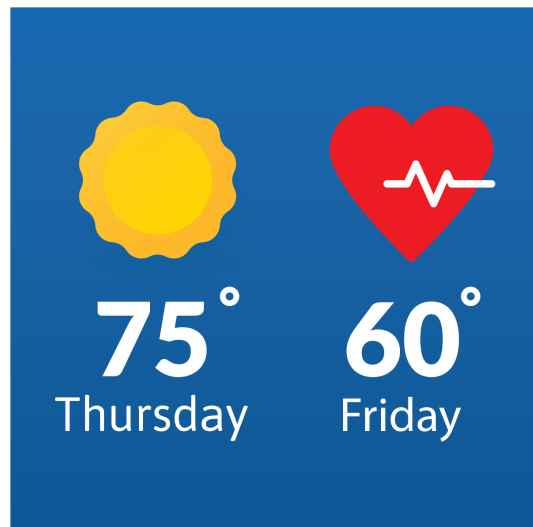
Led by Weil Institute members Dr. Cindy Hsu and Dr. Frederick Korley, the team will develop and validate a large animal model of cardiac arrest with resultant severe brain injury to enable translation of future neuroprotective therapies.

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### Multidisciplinary critical care research teams are readying their innovations in anticipation of the Massey TBI Grand Challenge Wolverine Den

The Massey TBI Grand Challenge is well underway as teams prepare to pitch their innovations before the expert panel at



### Forecast calls for... cardiac arrest? The Weil Institute interviews Dr. Takahiro Nakashima

A research fellow in the Department of Emergency Medicine, Dr. Nakashima's project using chronological and meteorological data to predict out-of-

Weill's Shark Tank-style Wolverine Den  
vent. Click below to catch up on  
the 2022 Grand Challenge.

hospital cardiac arrests won the American  
Heart Association's Max Harry Weil Award  
for Resuscitation Science.

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## EVENTS & FUNDING OPPORTUNITIES

# Well Aware

with MICHIGAN MEDICINE

**Weil Institute and innovations to be featured in upcoming "Well Aware" webinar hosted by the Michigan Medicine Office of Development (Video will be available May 27)**

At Michigan Medicine, we respond to medical needs wherever they occur. Combat care innovations we developed are saving lives around the world, such as Turn-I-Kit, a field treatment being used by first responders to stop critical bleeding. Join us for Well Aware to hear from our experts at the Max Harry Weil Institute for Critical Care Research and Innovation about their entrepreneurial approach to treating the most serious injuries and illnesses.

[Learn more about the webinar](#)



*Interested in pursuing these or other funding opportunities?*

**Let the Weil Proposal Development team support you!**

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[Innovations for Vets QuickFire Challenge: Lung Cancer & Physical Trauma](#)

physical trauma. Those with the best potential solution can receive grant funding from a total pool of \$500,000, access to the global Johnson & Johnson Innovation - JLABS network, and mentorship from experts at the Johnson & Johnson Family of Companies.

**[Maximizing the Scientific Value of the NHLBI Biologic Biospecimen Repository: Scientific Opportunities for Exploratory Research - R21 \(RFA-HL-23-018\)](#)**

Will support meritorious exploratory research relevant to the NHLBI mission using the existing biospecimen collections that are stored in the NHLBI Biologic Specimen Repository (Biorepository), providing an opportunity to generate preliminary data for subsequent research proposals.

**[NIH/NIBIB - Bioengineering Partnerships with Industry - U01 \(PAR-22-123\)](#)**

Solicits applications from research partnerships formed by academic and industrial investigators to accelerate the development and adoption of promising bioengineering tools and technologies that can address important biomedical problems.

# ANNOUNCEMENTS

**Hakam Tiba, MD, MS, promoted to Research Associate Professor**

Along with serving as the Director of the Weil Institute Preclinical Critical Care Lab, Dr. Tiba is now a Research Associate Professor of Emergency Medicine! Congratulations, Dr. Tiba!

**Michael Sjoding, MD, promoted to Associate Professor**

A round of congratulations to Weil Institute Associate Director Dr. Michael Sjoding, who has been promoted to Associate Professor of Internal Medicine!

**J. Scott VanEpps, MD, PhD, FACEP elected SAEM board member at large**

The 2022-2023 election results are in for the Society for Academic Emergency Medicine (SAEM) board of trustees. Dr. VanEpps, an Associate Director of the Weil Institute, is one of 8 specialists elected board members at large—positions that were made official during the SAEM22 conference earlier this month.

## New Publications

**[Establishing a multicenter, preclinical consortium in resuscitation: A pilot experimental trial evaluating epinephrine in cardiac arrest](#)**

**Gastroesophageal resuscitative occlusion of the aorta prolongs survival in a lethal liver laceration model**

DOI: 10.1097/TA.0000000000003444

**Policy Strategies for Addressing Current Threats to the U.S. Nursing Workforce**

DOI: 10.1056/NEJMp2202662

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**About the Weil Institute**

The Weil Institute for Critical Care Research & Innovation is named after the late Dr. Max Harry Weil—a physician and professor widely regarded as a key founder of the field of critical care.

As the Weil Institute, we are one of the world's first comprehensive research enterprises devoted to transforming critical care medicine by accelerating science and moving it from bench to bedside. We do so by bringing together integrative teams of world-class U-M scientists, clinicians, and engineers with industry partners and funding sources to develop and deploy cutting-edge solutions that elevate the care, outcomes, and quality of life of critically ill and injured patients and their families.



*"When you save one life...  
...it is as if you saved the entire world."*

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