



HENRY M. ROWAN  
COLLEGE OF ENGINEERING

## Message From the Dean

Dear Friends and Colleagues

I hope that you are doing well as we continue to make our way through these challenging times. Below is the Fall 2020 Newsletter with stories from our faculty, staff, and students who have continued to make progress and strides despite the pandemic's effect on our sector. I am beyond proud to note that our College and programs were recognized by *U.S. News and World Report*, as being among the best programs in our category throughout the nation. This recognition speaks to the amazing efforts of our research and learning communities. Indeed, we are also grateful for the support and contributions of our partners and sponsors, who have enriched our research and learning environments.

In the near future, we will be sending a special newsletter capturing how the College has worked to meet the demands of the pandemic, both within our college, and in the community. Our College's ability to continue to drive innovative research, and create novel methods to deliver instruction have been inspiring and impressive and I hope you will find them inspiring as well.

Sincerely,  
Dr. Stephanie Farrell  
Interim Dean of the Henry M. Rowan College of Engineering

[Visit our Website](#)



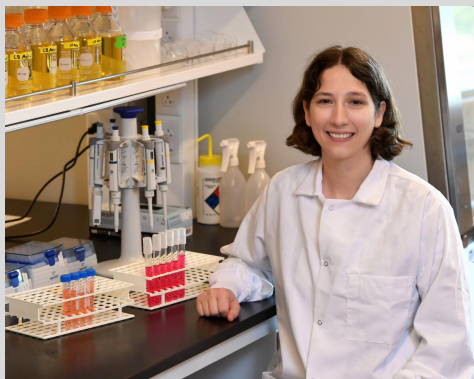
U.S. News & World Report ranked Rowan University's undergraduate engineering program #17 for 2021 among colleges in its category, a four-place bump in just one year, in the magazine's much-watched "Best Colleges" issue.

[Read More](#)

## Rowan researchers work to 'bioprint' vocal cord implants

Two Rowan University researchers at the Henry M. Rowan College of Engineering are developing a minimally invasive method to reconstruct damaged vocal cords through novel bioprinting and biomaterials. If successful, their innovation could restore the voices of people with severe vocal cord injuries.

[Read More](#)



## Rowan Engineering research aims to create self-healing materials

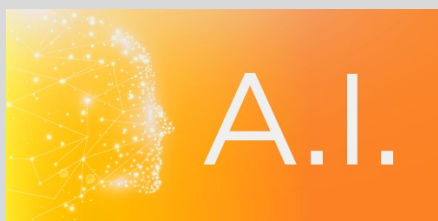
What if, one day, you could walk into a doctor's office, get an injection in your knee and stimulate the regeneration of cartilage? That is one of the long-term goals of a \$250,000 grant from the National Science Foundation awarded to Drs. Sebastián L. Vega and Nichole M. Daringer, assistant professors in the Department of Biomedical Engineering at Rowan University.

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## Working Towards Historic Partnership with Williamson College

Acting in the spirit of their shared benefactor, Rowan University of Glassboro, N.J., and Williamson College of the Trades of Media, Pa., are working toward an arrangement that will provide Williamson students with opportunities for dual enrollment and access to Rowan's undergraduate and graduate degree programs in engineering technologies and construction management.

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## Faculty aim to create machines that can teach themselves

Can robots, self-driving cars, drones and other "intelligent" machines one day learn from their mistakes?

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## Rowan engineers selected as finalists for QED Proof-of-Concept Program

Two Rowan University engineers are among a dozen researchers from institutions across New Jersey, Pennsylvania and Delaware to be chosen as finalists for the 13th round of the Science Center research accelerator known as the QED Proof-of-Concept Program.

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## ADVANCE grant uses science to increase diversity among STEM faculty

Pay inequity, inadequate family leave policies and persistent gender stereotypes could be slowing the careers of women faculty, or maybe not at all. With a new grant from the National Science Foundation, a Rowan University research team is investigating whether societal inequities and cultural barriers are hurting advancement for women faculty in the science, technology, engineering and math fields.

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## Addressing sepsis deaths, medical start-up ChronoCare clinches Rohrer New Venture Competition

Responding to that need, an entrepreneurial group of Rowan students created ChronoCare, a company whose first product would be smartphone and computer software to instantly update medical professionals with a variety of data, including standards of treatment for sepsis and changing government protocols.

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### upcoming WEBINAR

#### Featured Panelists

Mohammad Jalayer, Ph.D

Jeong Ahn, Ph.D.

Adriana Trias Blanco, Ph.D.

#### Moderators

Dan Drutz, M.A.

Sean Fischer, Ed.D.

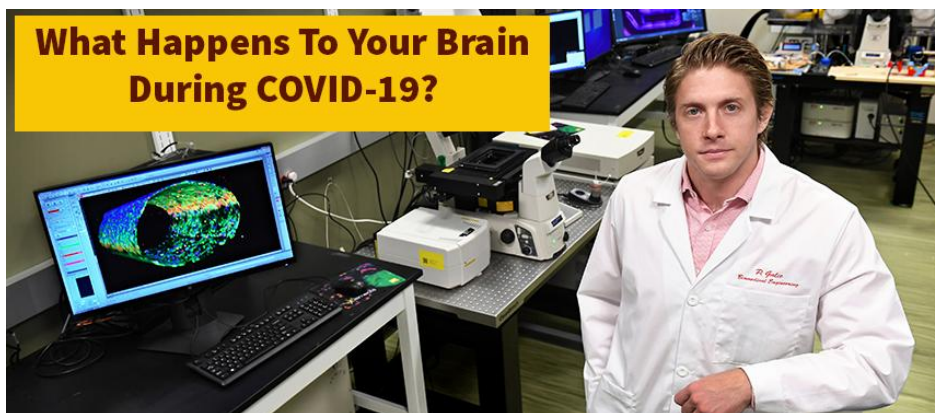
## Infrastructure of Tomorrow

Friday, October 9 | 4:00 PM



Rowan University  
HENRY M. ROWAN  
COLLEGE OF ENGINEERING

## What Happens To Your Brain During COVID-19?



## Recent Publications

Built on Excellence

Clinic Showcase Book

U.S. NEWS &  
WORLD REPORT

**#17** BEST UNDERGRADUATE  
ENGINEERING

BEST COLLEGES  
2021

U.S. NEWS &  
WORLD REPORT

**#13** MECHANICAL  
ENGINEERING

BEST COLLEGES  
2021

U.S. NEWS &  
WORLD REPORT

**#16** ELECTRICAL  
ENGINEERING

BEST COLLEGES  
2021

