# CIERA FY21 media summary

## Chart, bar chart Description automatically generatedOverall metrics:

CIERA faculty were mentioned in 775 news stories in FY21 for an estimated reach of 101 million, marking a 4% increase in reach compared to FY20.

Work was cited in major outlets including The New York Times, CNN, Forbes, CNET and more.

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**Top stories:**

Scientists detect first intermediate mass black holes

Vicky Kalogera and Christopher Berry are part of an international research collaboration that, for the first time, witnessed the birth of an intermediate mass black hole using gravitational waves. It is the most massive black hole detected to date. They were cited in **65 stories** for an **estimated reach of 22.4 million,** making it the 25th highest reaching story in Northwestern media in FY21.

**Clip highlights:**

* [nationalgeographic.com](http://ct.moreover.com/?a=42982093793&p=1e7&v=1&x=sxK93KYH9vpnTHuJ-7QewA), Sep 2, 2020
* [nytimes.com](https://www.nytimes.com/2020/09/02/science/black-hole-astronomy-physics.html), Sep 2, 2020
* [vice.com](https://www.vice.com/en_us/article/4ay8kn/scientists-detected-a-new-kind-of-black-hole-being-born-in-a-bizarre-event), Sep 2, 2020
* [livescience.com](https://www.livescience.com/super-big-black-hole-crash.html), Sep 2, 2020
* [popularmechanics.com](https://www.popularmechanics.com/space/deep-space/a33925029/most-powerful-black-hole-merger-ever/), Sep 8, 2020
* [livescience.com](https://www.livescience.com/best-black-hole-discoveries-2020.html), Dec 29, 2020
* [space.com](https://www.space.com/best-black-hole-discoveries-2020.html), Dec 31, 2020

Black hole and neutron star merge

Vicky Kalogera, Chase Kimball and Maya Fishbach are part of a team of astrophysicists who observe, for the first time through gravitational waves, the merger of a black hole and a neutron star. They were cited in **104 stories** for an **estimated reach of 9.1 million**.

**Clip highlights:**

* [edition.cnn.com](https://www.cnn.com/2021/06/29/world/black-hole-neutron-star-merger-scn/index.html), Jun 30, 2021
* [theguardian.com](https://www.theguardian.com/science/2021/jun/29/gravitational-waves-from-star-eating-black-holes-detected-on-earth), Jun 29, 2021
* [sciencemag.org](http://ct.moreover.com/?a=45272397449&p=1ec&v=1&x=K4fH7orzHjmuYpGEMtm7oA), Jun 29, 2021
* [npr.org](https://www.npr.org/2021/06/29/1011047410/city-sized-neutron-star-massive-black-hole-collide-gulps-universe-gravitational), Jun 29, 2021
* [nbcnews.com](https://www.nbcnews.com/science/space/first-time-astrophysicists-detect-black-hole-swallowing-neutron-star-n1272625), Jun 29, 2021
* [independent.co.uk](https://www.independent.co.uk/life-style/gadgets-and-tech/gravitational-wave-black-hole-neutron-star-b1874723.html), Jun 29, 2021
* [arstechnica.com](https://arstechnica.com/science/2021/06/physicists-confirm-two-cases-of-elusive-black-hole-neutron-star-mergers/?comments=1), Jun 29, 2021
* [space.com](https://www.space.com/first-black-hole-neutron-star-mergers-detected), Jun 29, 2021
* [livescience.com](https://www.livescience.com/black-hole-swallows-neutron-star.html), Jun 30, 2021
* [scientificamerican.com](https://www.scientificamerican.com/article/black-holes-swallow-neutron-stars-in-a-single-bite-new-results-suggest/), Jul 2, 2021

Simulation of a star being born

A team including Claude-André Faucher-Giguère and Michael Grudić develops STARFORGE, the most realistic, highest-resolution 3D simulation of star formation to date. They were cited in **45 stories** for an estimated reach of **3 million.**

**Clip highlights:**

* [cnet.com](https://www.cnet.com/news/astronomers-create-most-realistic-simulation-of-stars-being-born-and-its-beautiful/), May 18, 20
* [mashable.com](https://mashable.com/video/star-formation-video-space/), May 18, 2021
* [us.cnn.com](https://us.cnn.com/2021/05/19/world/star-birth-simulation-starforge-scn/index.html), May 19, 2021
* [livescience.com](https://www.livescience.com/new-simulation-captures-star-birth.html), May 21, 2021
* [space.com](https://www.space.com/simulation-captures-star-birth), May 23, 2021