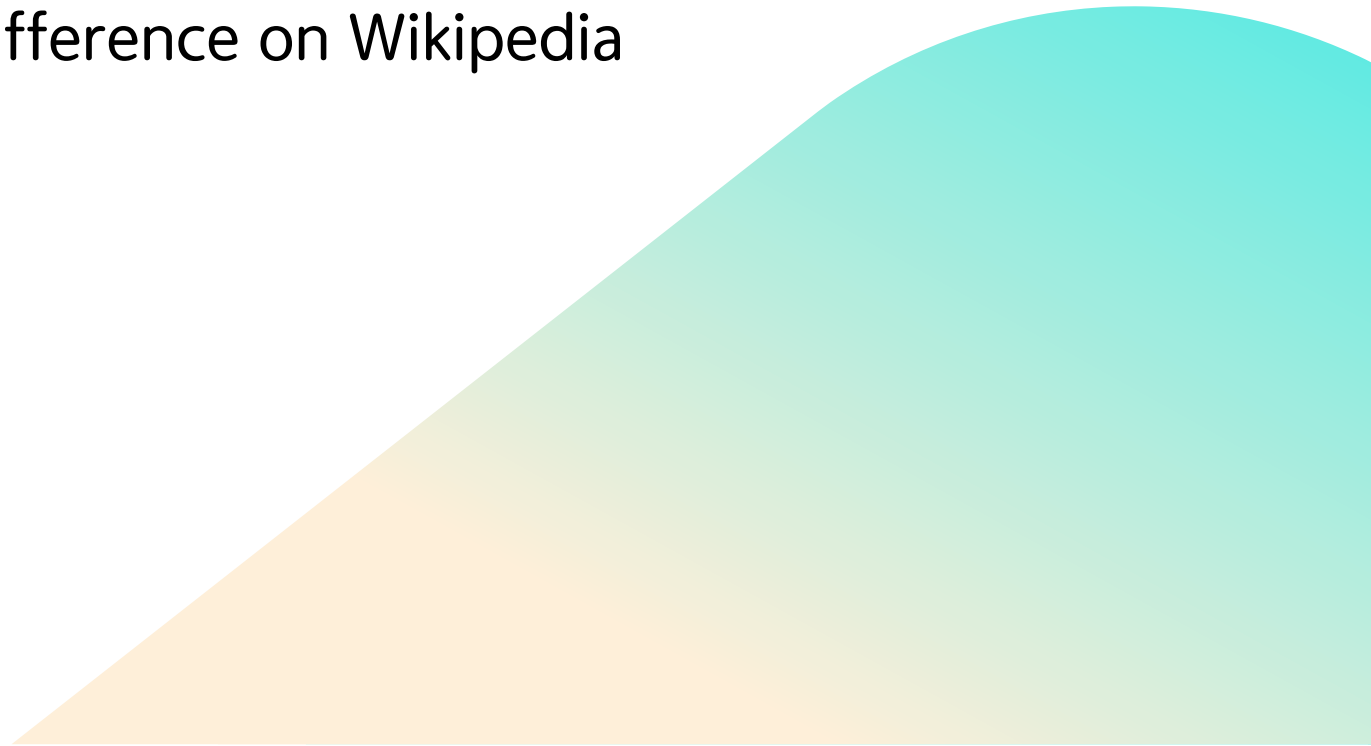


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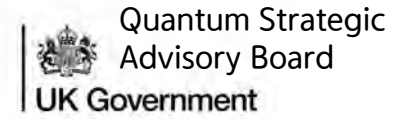
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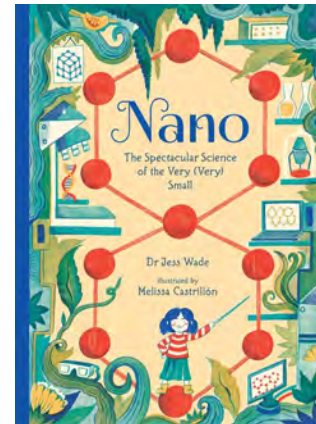
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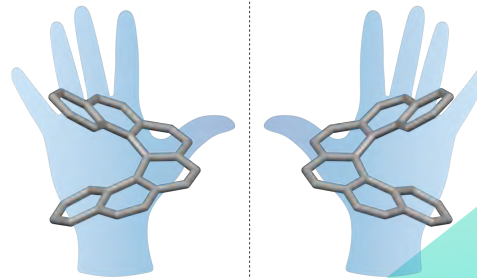
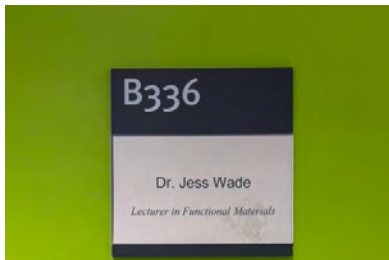
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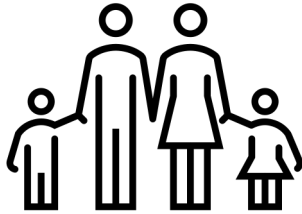
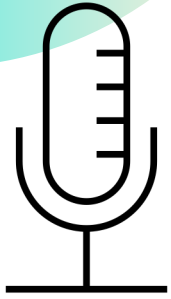


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- Research culture
- Science communication
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- 🌐 Increase public awareness of GR/astrophysics
- 🌐 Make research accessible for other fields
- 🌐 Practise non-technical science writing
- 🌐 Better represent who does science
- 🌐 Fight mis/disinformation
- 🌐 Narrative CV 'Contributions to broader research or innovation users and audiences and towards wider societal benefit,'



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[Douglas Hanley](#)

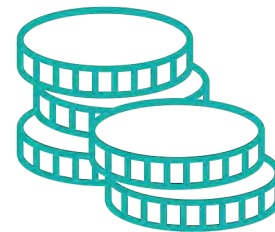
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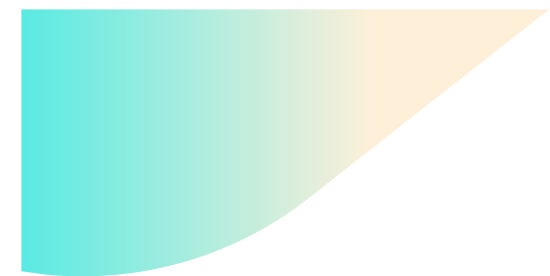
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“I sometimes think that general and popular treatises are almost as important for the progress of science as original work.” Charles Darwin 1865



“ ... ”



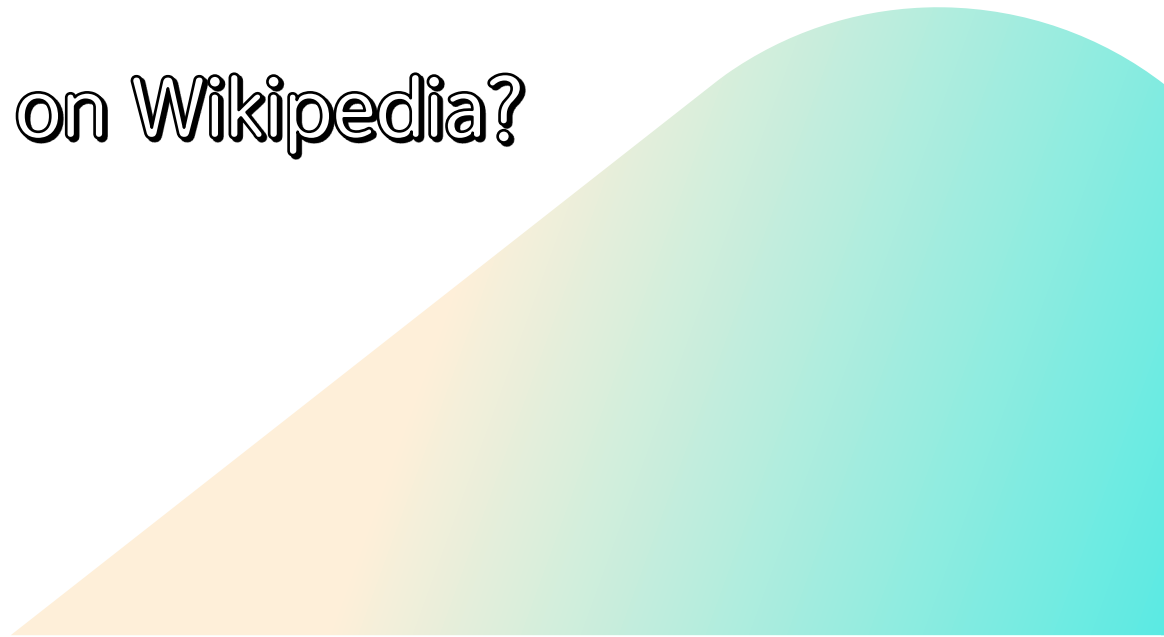


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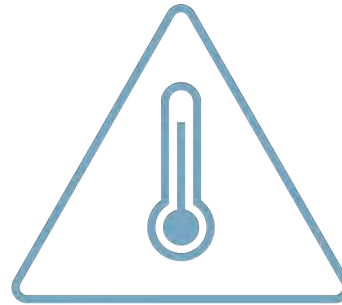


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Ijeoma Uchegbu

Article [Talk](#)

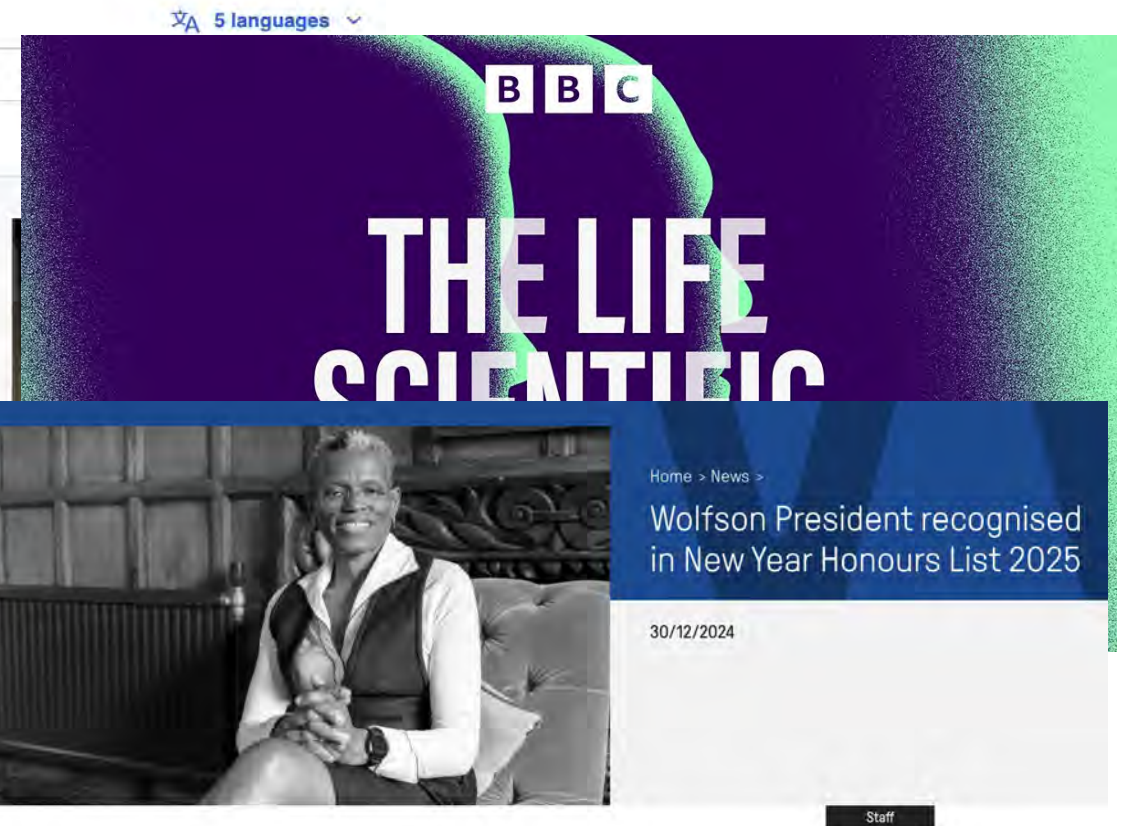
From Wikipedia, the free encyclopedia

Ijeoma Uchegbu is a Nigerian-British Professor of [Pharmacy](#) at [University College London](#) where she held the position of Pro-Vice Provost for [Africa](#) and the Middle East. She is the Chief Scientific Officer of Nanomerics, a pharmaceutical [nanotechnology](#) company specialising in drug delivery solutions for poorly water-soluble drugs, nucleic acids and peptides. She is also a Governor of the Wellcome, a large biomedical research charity. Apart from her highly cited scientific research in Pharmaceutical [Nanoscience](#),^[1] Uchegbu is also known for her work in science [public engagement](#) and [equality and diversity in Science, Technology, Engineering and Mathematics \(STEM\)](#).^{[2][3]} In December 2023, it was announced that she will become President of [Wolfson College, Cambridge](#) in October 2024.^[4]

Education and early career [\[edit \]](#)

Uchegbu graduated with a PhD in Nigeria.

"I came into a challenging degree at N in the eighties from the UK



Professor Ijeoma Uchegbu, Wolfson's seventh President, is made a Dame Commander of the Most Excellent Order of the British Empire in the 2025 New Year Honours.

Gladys West

28 languages

Article Talk

Read Edit View history

From Wikipedia, the free encyclopedia

Gladys Mae West (née **Brown**; born October 27, 1930^[1]) is an American **mathematician**. She is known for her contributions to mathematical modeling of the **shape of the Earth**, and her work on the development of **satellite geodesy** models, that were later incorporated into the **Global Positioning System** (GPS).^[2] West was inducted into the **United States Air Force** Hall of Fame in 2018. West was awarded the **Webby Lifetime Achievement Award** for the development of satellite geodesy models.^{[3][4]}

Early life and education

Gladys Mae Brown was born in **Sutherland, Virginia**, in **Dinwiddie County**, a rural county south of **Richmond**.^{[2][5][6]} Her family was an African-American farming family in a community of **sharecroppers**. She spent much of her childhood working on her family's small farm.^{[7][8]} As well

Gladys West



West in 2018

Born

Gladys Mae Brown
October 27, 1930 (age 94)
Sutherland, Virginia, U.S.

Alma mater **Virginia State University** (BS)



Black lives

Gladys West: the figure who helped GPS

Gladys West, at her home in Virginia. Photograph: Andre West

100 Women: Gladys West - the 'hidden figure' of GPS

By Amelia Butterly
100 Women

20 May 2018

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From the sat nav in your car, to the tags on your social media posts, many of us use global positioning systems, or GPS, every day.

Gladys West is one of the people whose work was instrumental in developing the mathematics behind GPS.

Until now, her story has remained untold.

When Mrs West started her career at the Naval Surface Warfare Center in the US state of Virginia in 1956, just one other black woman and two black men worked alongside her.

"I carried that load round, thinking that I had to be the best that I could be," she says.



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'Hidden Figure' whose mathematical modelling enabled GPS becomes first woman to win the Prince Philip Medal

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The Royal Academy of Engineering, founded by HRH The Prince Philip, Duke of Edinburgh, 45 years ago this week at Buckingham Palace, has presented its highest individual award – the Prince Philip Medal – to Dr Gladys West, whose mathematical modelling paved the way for the engineering innovation of GPS. Dr West is the first woman to win the Prince Philip Medal in the 30 years since it was presented for the first time in 1991 to Air Commodore Sir Frank Whittle, wartime pioneer and inventor of the jet engine.

As a pioneer in the use of complex mathematics and efficient programming to process early satellite data to



Dr Gladys West



☰ Katie Bouman

🌐 43 languages ▾

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From Wikipedia, the free encyclopedia

For people named Katie Bowman, see [Katie Bowman \(disambiguation\)](#).

Katherine Louise Bouman (/ˈbaʊmən/^[1] born 1989) is an American [engineer](#) and [computer scientist](#) working in the field of [computational imaging](#). She led the development of an [algorithm](#) for imaging [black holes](#), known as [Continuous High-resolution Image Reconstruction using Patch priors](#) (CHIRP), and was a member of the [Event Horizon Telescope](#) team that captured the first image of a black hole.^{[2][3][4]}

The [California Institute of Technology](#), which hired Bouman as an assistant professor in June 2019, awarded her a named professorship in 2020.^{[5][6]} In 2021, asteroid [291387 Katiebouman](#) was [named](#) after her.^[7] In 2024, she became an associate professor.

Early life and education [[edit](#)]

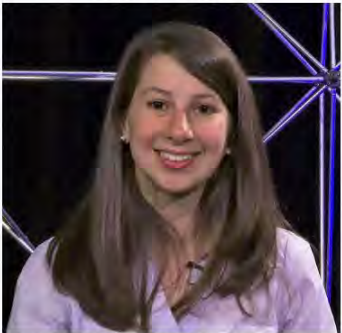
Bouman grew up in [West Lafayette, Indiana](#). Her father, [Charles Bouman](#), is a professor of [electrical and computer engineering](#) and [biomedical engineering](#) at [Purdue University](#).^[8]

As a high school student, Bouman conducted imaging research at Purdue University. She graduated from [West Lafayette Junior-Senior High School](#) in 2007.^[8]

Bouman studied electrical engineering at the [University of Michigan](#) and graduated [summa cum laude](#) in 2011. She earned her master's degree in 2013 and obtained a doctoral degree in electrical engineering and [computer science](#) in 2017 from the [Massachusetts Institute of Technology](#) (MIT).^[9]

At MIT, she was a member of the [MIT Computer Science and Artificial Intelligence Laboratory](#) (CSAIL).^{[10][11]} This group also worked closely with MIT's [Haystack Observatory](#) and with the

Katie Bouman



Bouman speaking about the Event Horizon Telescope in 2019

Born	Katherine Louise Bouman <div>1989 (age 35–36)</div>
Nationality	American
Alma mater	University of Michigan (BS) <div>Massachusetts Institute of Technology (SM, PhD)</div>
Known for	CHIRP algorithm
Fields	Scientific career <div>Computer vision · machine learning</div>
Institutions	California Institute of Technology <div>Harvard University</div>

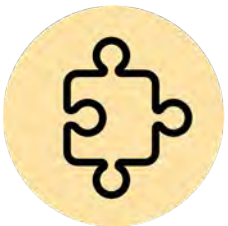
Wikipedia's 5 pillars.



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Donna Strickland

From Wikipedia, the free encyclopedia

Donna Theo Strickland, FRS CC (born 27 May 1959)^{[1][2][3]} is a Canadian optical physicist and pioneer in the field of pulsed lasers. She was awarded the Nobel Prize in Physics in 2018, together with G rard Mourou, for the invention of chirped pulse amplification.^[4] She is a professor at the University of Waterloo.^[5]

She served as fellow, vice president, and president of The Optical Society, and is currently chair of their Presidential Advisory Committee. In 2018, she was listed as one of BBC's 100 Women.^[6]

Contents [hide]

- Early life and education
- Career and research
 - Selected publications
- Awards and recognition
 - Nobel Prize
 - Order of Canada
- Personal life
- Notes
- References
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Early life and education [edit]

Donna Strickland

FRS CC



Born	Donna Theo Strickland <div>27 May 1959 (age 61)</div> <div>Guelph, Ontario, Canada</div>
Education	McMaster University (BEng) <div>University of Rochester (MS, PhD)</div>
Known for	Intense laser-matter interactions <div>Nonlinear optics</div> <div>Short-pulse intense laser systems</div>

Jane Lubchenco

From Wikipedia, the free encyclopedia

Jane Lubchenco (born December 4, 1947) is an American environmental scientist and marine ecologist who teaches and does research at Oregon State University. Her research interests include interactions between the environment and human well-being, biodiversity, climate change, and sustainable use of oceans and the planet. From 2009 to 2013, she served as Administrator of NOAA and Under Secretary of Commerce for Oceans and Atmosphere.^[1] After resigning from NOAA, she was the Milken and Peter Haas Distinguished Visitor in Public Service at Stanford University (March–June 2013).^[2] In June 2013, she returned to Oregon State University where she was on the faculty prior to being invited by President-Elect Obama to serve on his 'science team.'^[3] Her many awards include the MacArthur 'genius' award in 1993 and more than 15 Honorary Degrees. In 2002, *Discover* magazine recognized Lubchenco as one of the 50 most important women in science.^[4]

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- 1 Early life and education
- 2 Academic career
- 3 Science communication
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- 6 Marine reserves and marine protected areas
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 - 7.3 Deepwater Horizon oil spill
 - 7.4 Oceans and coasts
 - 7.5 Fisheries
 - 7.6 Climate services
 - 7.7 Weather-Ready Nation
 - 7.8 Hurricane Sandy
 - 7.9 Tohōku earthquake
- 8 Awards and honors

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Jane Lubchenco



Under Secretary of Commerce for Oceans and Atmosphere
9th Administrator of the National Oceanic and Atmospheric Administration

In office

March 20, 2009 – February, 2013

President Barack Obama

Preceded by Conrad C. Lautenbacher

Succeeded by Kathryn D. Sullivan

Personal details

Born December 4, 1947 (age 71)
Denver, Colorado, U.S.

Alma mater Colorado College

References [edit]

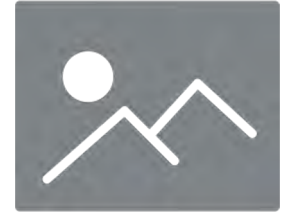
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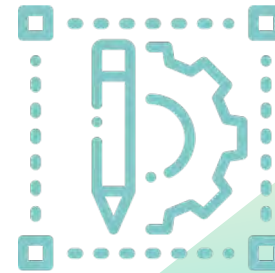
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[Jess Wade](#) & [Maryam Zaringhalam](#)



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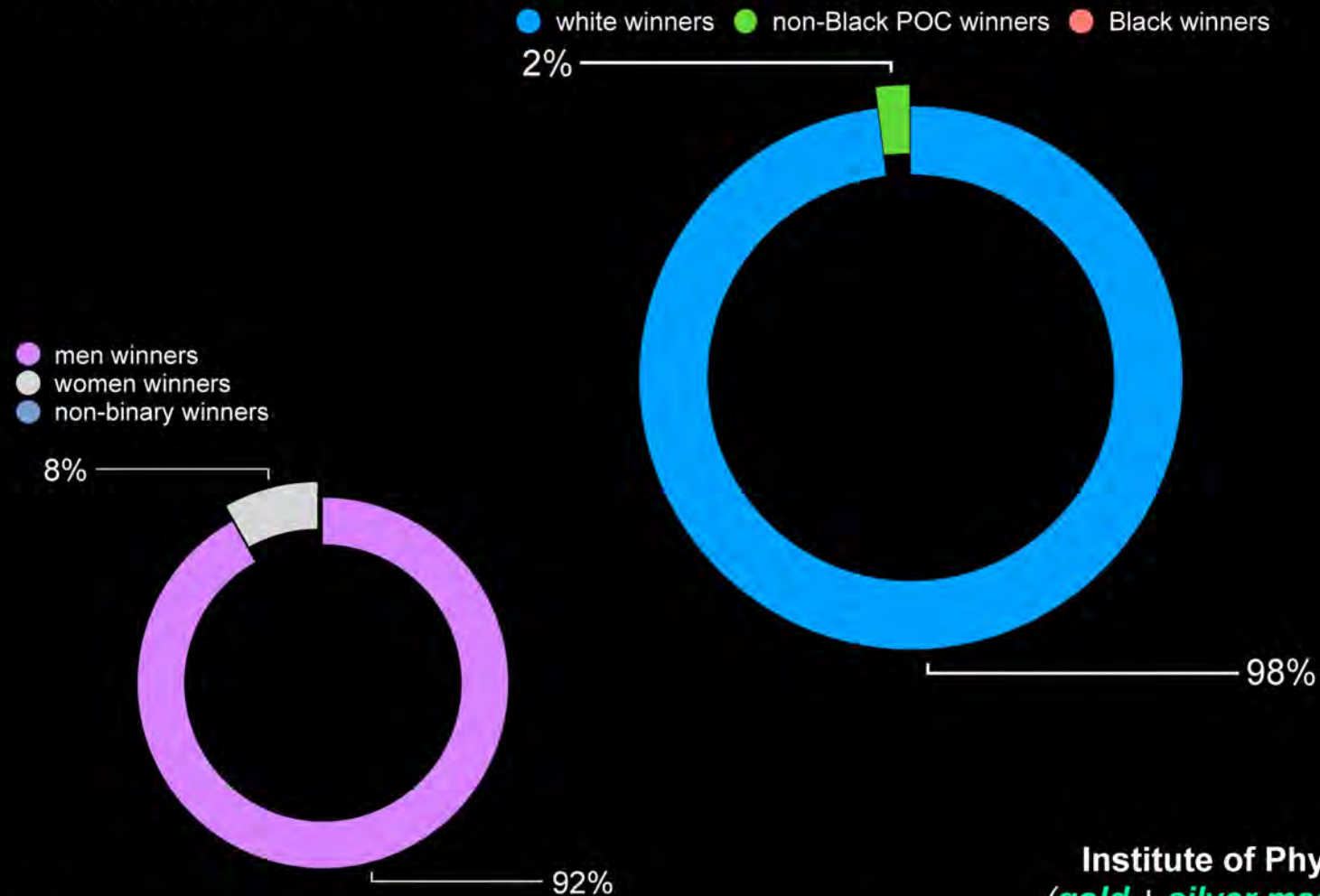
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UK physics medals and prizes



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