

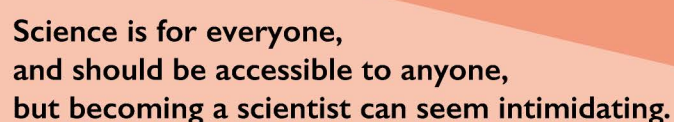
## READ ME FIRST!

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### Printing/presentation advice:

- The infographic is available in 2 formats, A3 (one page) and A4 (across two pages). Use whichever format is most appropriate for you.
- All images are in .PNG format at 300dpi, suitable for both digital displays and single-sided printing.
- All images are the correct size for their paper stock, with 5mm margins.
- For home printing, select 'scale to fit' to ensure the edges of the image are not lost.
- For professional printing, please contact [LGBTphysics@gmail.com](mailto:LGBTphysics@gmail.com) and they will provide proper proofs for double-sided, edge-to-edge printing.

Finally, if you put this infographic in your school or place or work, we would love to see it! Send pictures to [LGBTphysics@gmail.com](mailto:LGBTphysics@gmail.com) and, with your permission, we will post them on our twitter (@LGBT\_Physics) to showcase the rising visibility of LGBT+ role models in STEM.



Nothing is more reassuring than seeing someone like you, or who you feel a connection to, has gone before and made a success of it.

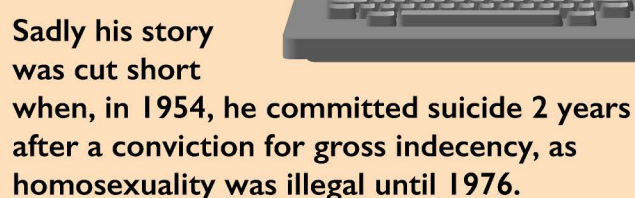
made by Joby Razzell Hollis for @LGBT\_Physics  
sponsored by the Institute of Physics

2017

# ALAN TURING

Possibly the most famous gay man in science, Turing is best known for his work on decrypting communications and breaking the enigma code during WW2.

But as the ‘father of computing’, he developed the theory that led to the first programmable computers, known as Turing machines.

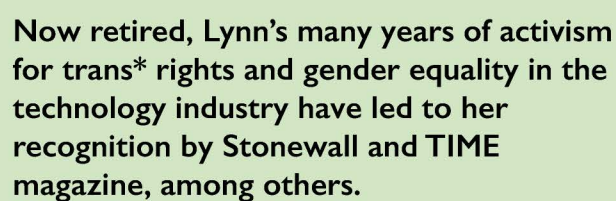


He was eventually given a royal pardon in 2016, recognising the cruel and unfair treatment of gay men at the time.

# LYNN CONWAY

**As a trans\* woman in the 1960s, Lynn's career was halted by her gender transition, which lost her a job at IBM.**

She eventually returned to work and is now credited with several major developments in electrical engineering, including the technology for making large-scale integrated circuitry (microchips).



# DAVID SMITH

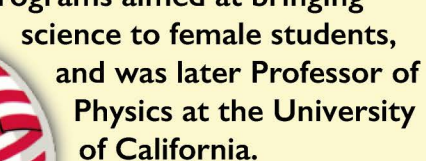
David is Professor of Chemistry at York University, where he leads exciting research into new nano-materials and medicines.

He is well known for doing educational outreach, he regularly speaks at schools about chemistry and runs a popular youtube channel.

David routinely talks about his experiences as a gay scientist and the importance of diversity in good science, and credits his partner for inspiring him to create new biomedical materials.

## SALLY RIDE

Sally Ride was the 1st American woman in space and still holds the title of youngest American in space (aged only 32 at her first flight in 1983)



A fiercely private person, it was only after her death in 2012 that her long-term relationship with Tam O'Shaughnessy became public.

**Sally Ride is the first LGBT+ astronaut we know of!**

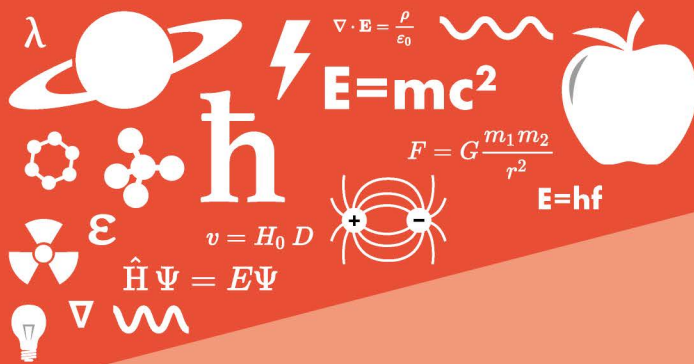
# NERGIS MAVALVALA

Professor of Astrophysics at MIT, Nergis is part of the team who first detected the faint ripples in space-time created when black holes collide, 100 years after they were predicted by Albert Einstein based on the theory of relativity.

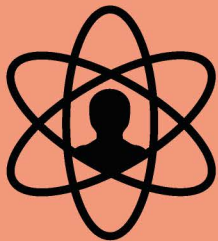
Her work on quantum optics led to her being awarded a MacArthur fellowship, also known as a “genius grant”

As a lesbian and Pakistani-American immigrant, Nergis personally represents the diverse, international nature of science, and in 2014 she won the LGBTQ Scientist of the Year award.

To find out more about these and other role models, look up the **Pride in STEM** and **LGBT+ Physics** groups

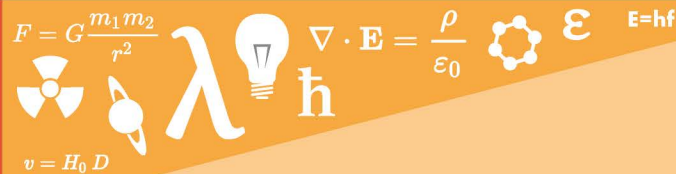


# LGBT+ role models in science



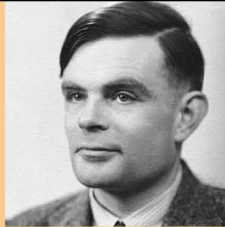
Science is for everyone,  
and should be accessible to anyone,  
but becoming a scientist can seem intimidating.

Nothing is more reassuring than seeing someone  
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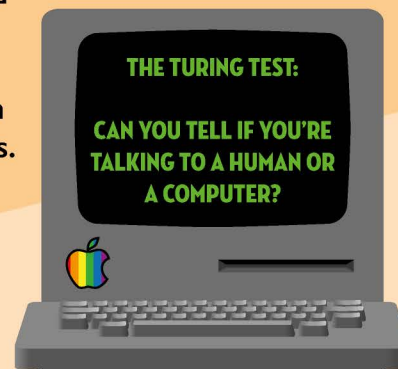
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cryptographer



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decrypting communications and breaking the  
enigma code during WW2.

But as the 'father of computing', he developed  
the theory that led  
to the first  
programmable  
computers, known  
as Turing machines.



Sadly his story  
was cut short  
when, in 1954, he committed suicide 2 years  
after a conviction for gross indecency, as  
homosexuality was illegal until 1976.

He was eventually given a royal pardon in  
2016, recognising the cruel and unfair  
treatment of gay men at the time.



## SALLY RIDE

astronaut



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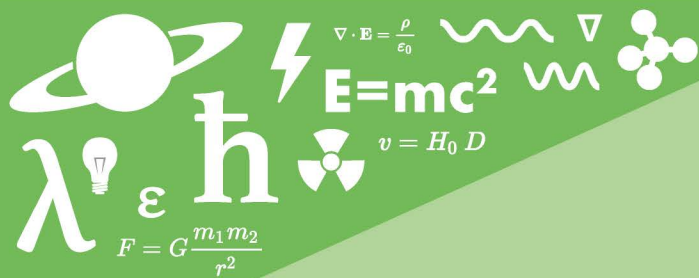


She flew on two Space  
Shuttle missions, then ran  
educational programs aimed at bringing  
science to female students,  
and was later Professor of  
Physics at the University  
of California.



A fiercely private person,  
it was only after her death  
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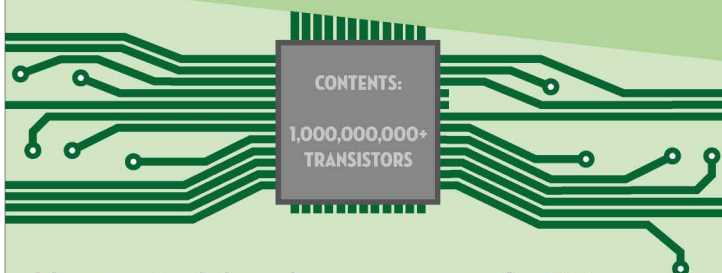
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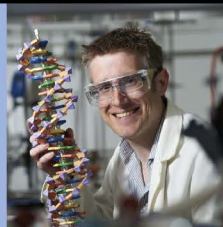


Now retired, Lynn's many years of activism for trans\* rights and gender equality in the technology industry have led to her recognition by Stonewall and TIME magazine, among others.



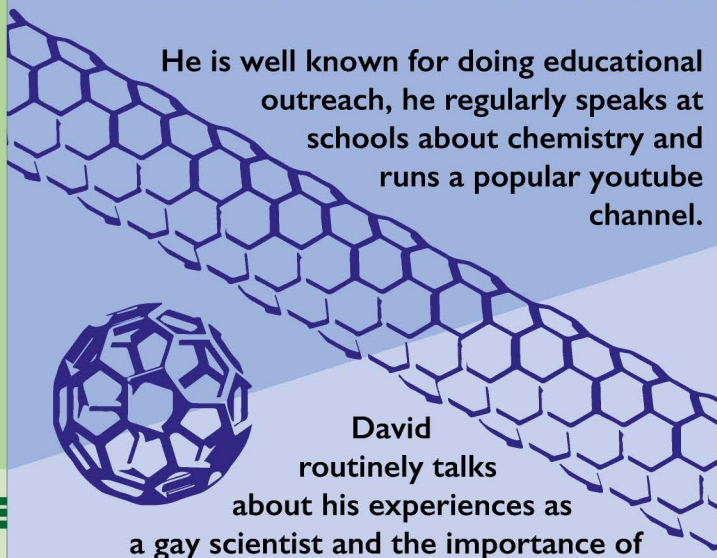
## DAVID SMITH

nanochemist

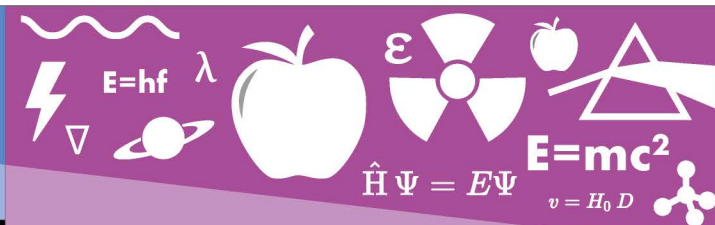


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astrophysicist



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