



THE UNIVERSITY  
of EDINBURGH

WE HAVE GREAT

WOMEN IN

STEM

STEM  
**Sc**  
SCIENCE

STEM  
**Te**  
TECHNOLOGY

En  
ENGINEERING

STEM  
**Ma**  
MATH

A colouring book  
highlighting the  
University of  
Edinburgh's inspiring  
women in STEM

## Checklist

- Agnes Yewande Savage
- Margaret Scott-Wright
- Sophia Jex-Blake
- Jessie MacLaren MacGregor
- Eleanor Anne Ormerod
- Gertrude Herzfeld
- Chrystal Macmillan
- Charlotte Auerbach
- Murray Library
- Noreen Murray
- Annie Hutton Numbers
- Mary Brück
- Vivien Kellems
- Doris Reynolds
- Chemical Bottles
- Xia Peisu
- Anne MacLaren
- Lilian Lindsay
- Jane Hillston
- Brenda Moon
- Mollecular Model
- Christina Cruikshank Miller
- Cait MacPhee
- Women in Physics
- Eleanor Campbell
- Devi Sridhar

## Welcome to the third edition of the “We Have Great Stuff” colouring book series!

In this edition, we have set out to celebrate and showcase the inspiring women in STEM at the University of Edinburgh. You might recognize their names from University buildings, rooms, and plaques, but now it's time to put faces to these names. Their lives, work, and legacies are a testament to the remarkable achievements taking place at our University, past and present.

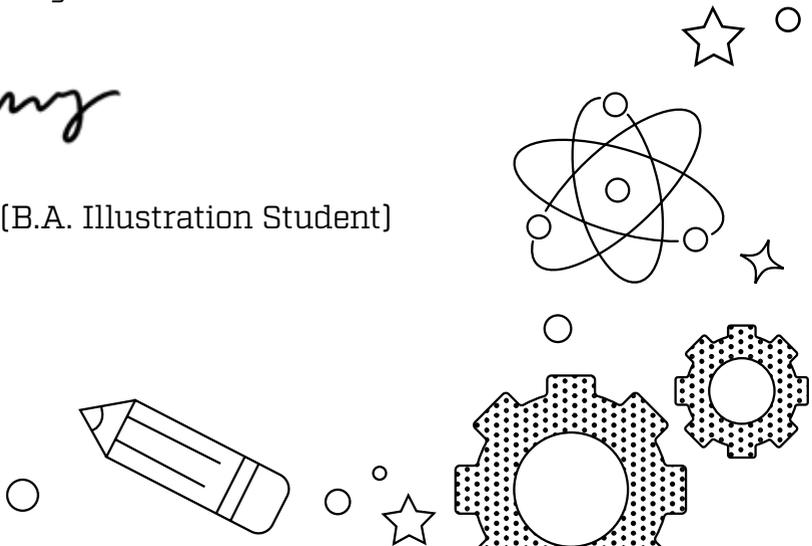
The illustrations in this edition were brought to life through a series of collaborative workshops, where members of the Edinburgh community came together to learn new skills and indulge in creative pursuits. Students, interns, staff members, and professors all joined forces to highlight the extraordinary accomplishments of these women and create these wonderful drawings.

I hope this colouring book will provide you with a mindful and enjoyable break from your busy day and give you a chance to appreciate the brilliant women in STEM here at the University of Edinburgh.

Happy colouring!



Ally McKay (B.A. Illustration Student)





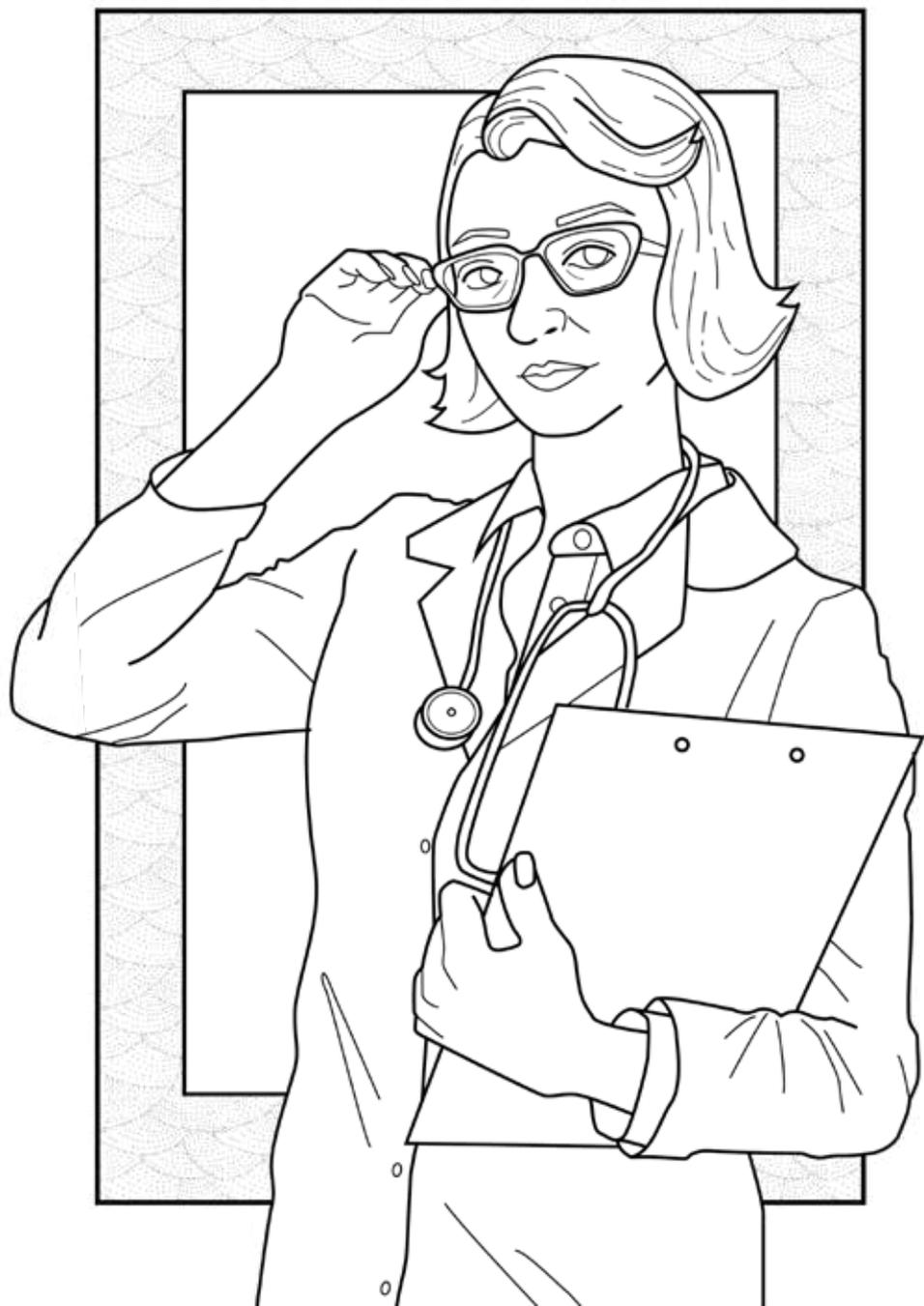
A G N E S



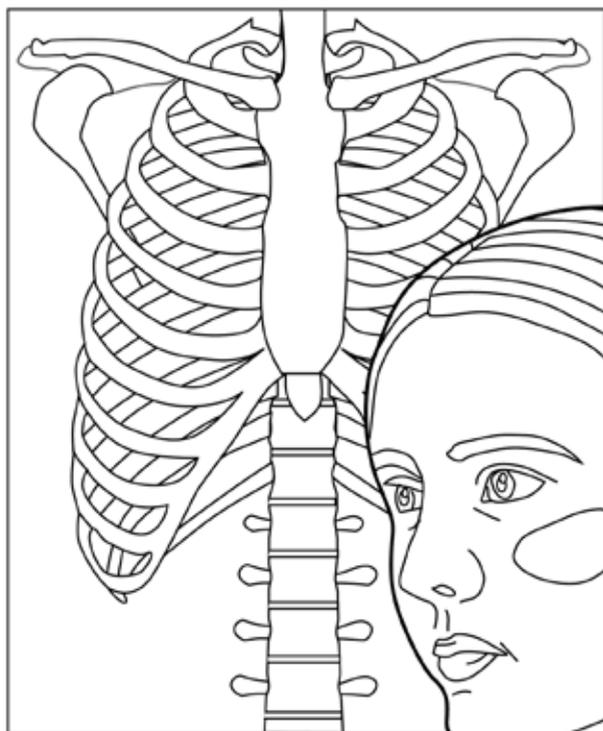


Agnes Yewande Savage

# Margaret Scott-Wright



MEDICINE  
FOR  
WOMEN



Sophia  
Jex-Blake



Jessie MacLaren MacGregor

Jessie  
Maclaren  
MacGregor





Eleanor Anne Ormerod



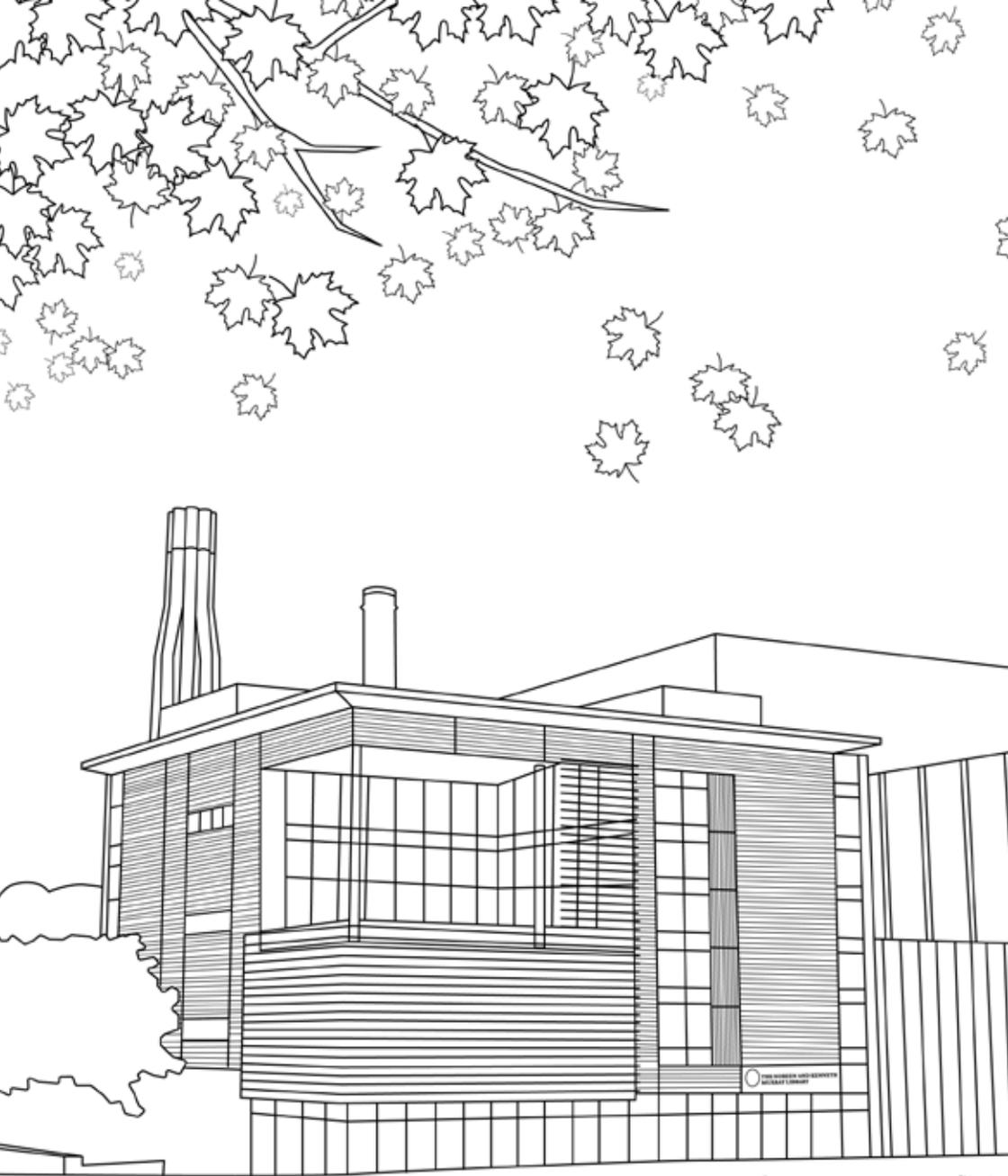
Gertrude Herzfeld

# Chrystal Macmillan





'Lotte' Auerbach



# Noreen and Kenneth Murray Library



**Noreen Murray**

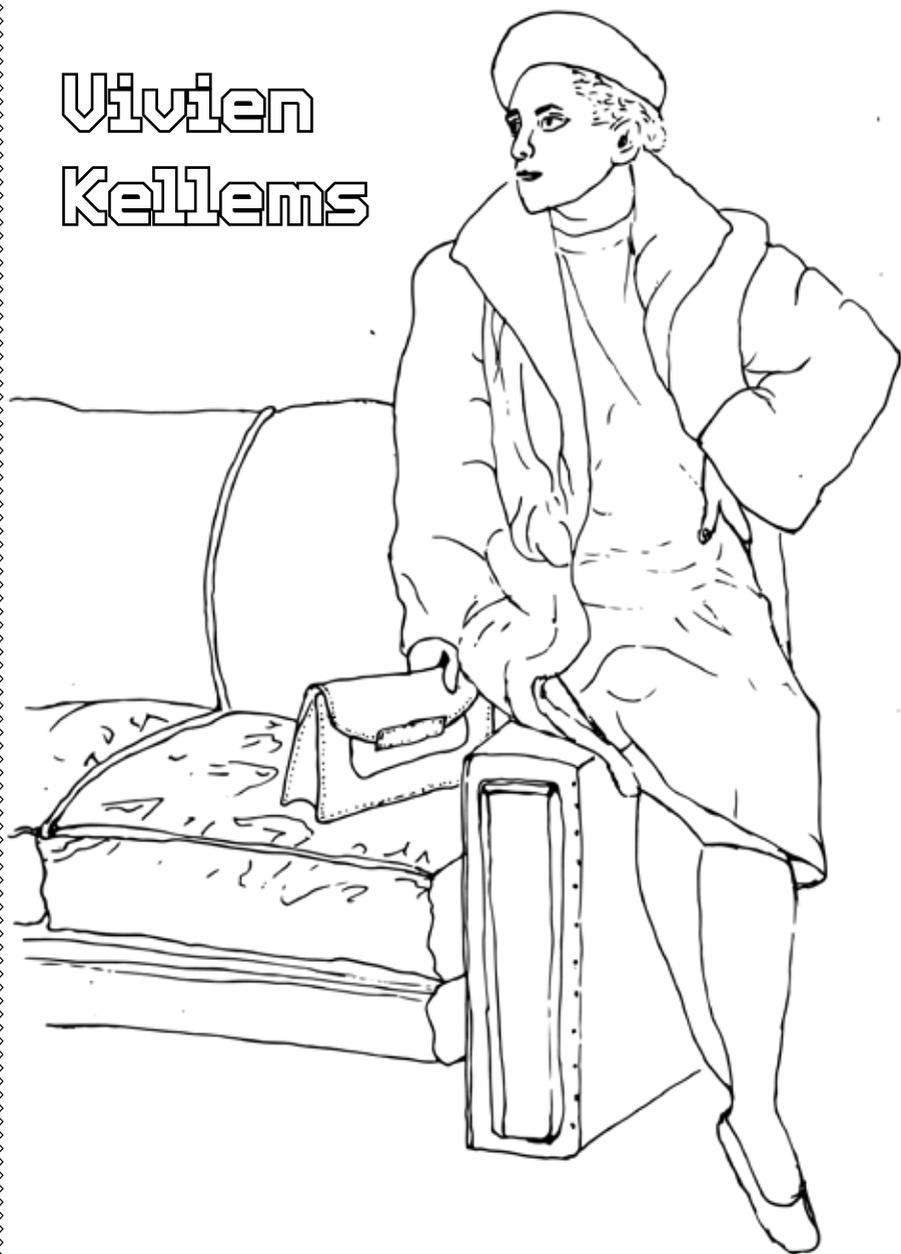
# Annie Hutton Numbers



# Mary Brück

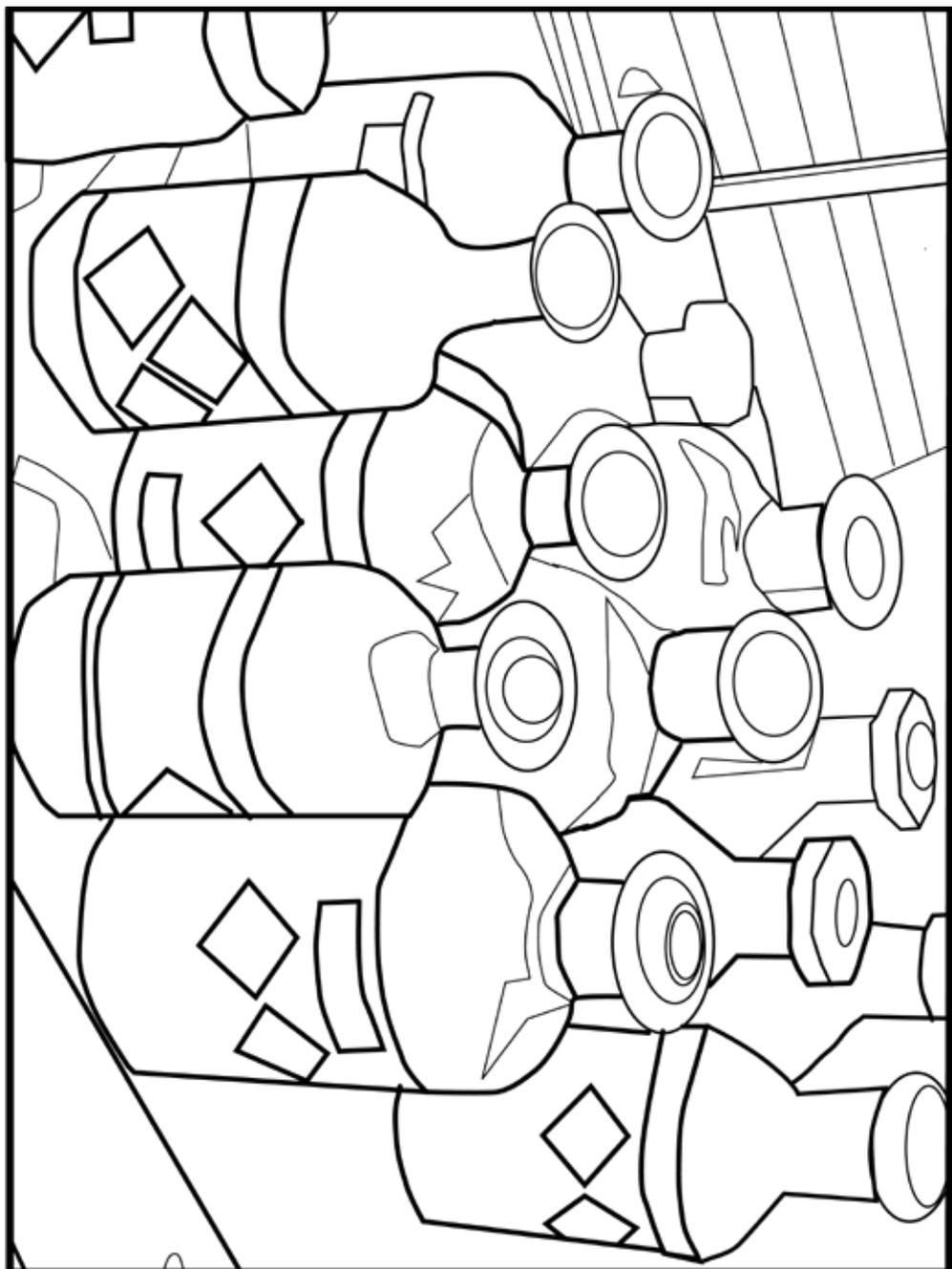


# Vivien Kellems





**Doris Reynolds**



01011000

01101001

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Xia  
Peisu

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01101001

01110011

01110101





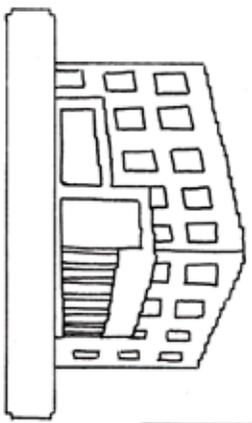
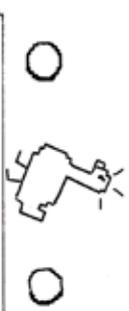
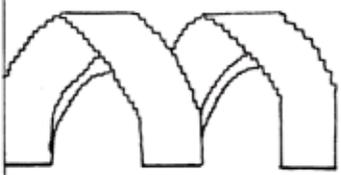
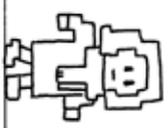
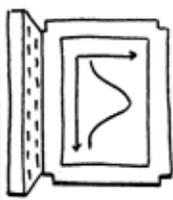
Anne McLaren

Lillian Lindsay





↑ LEVEL UP!



Jane Hillston

# Brenda Moon

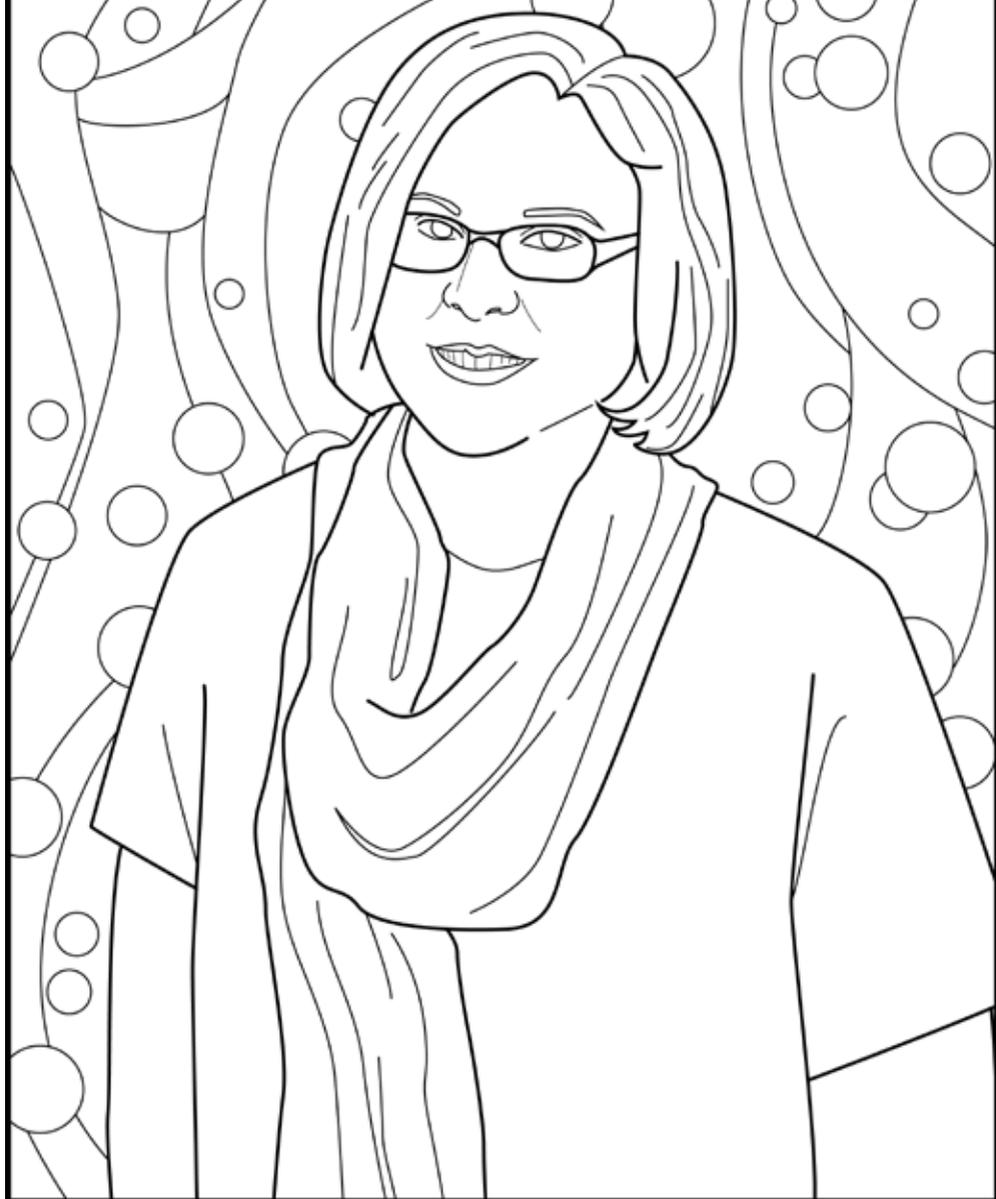




Christina  
Cruikshank  
Miller



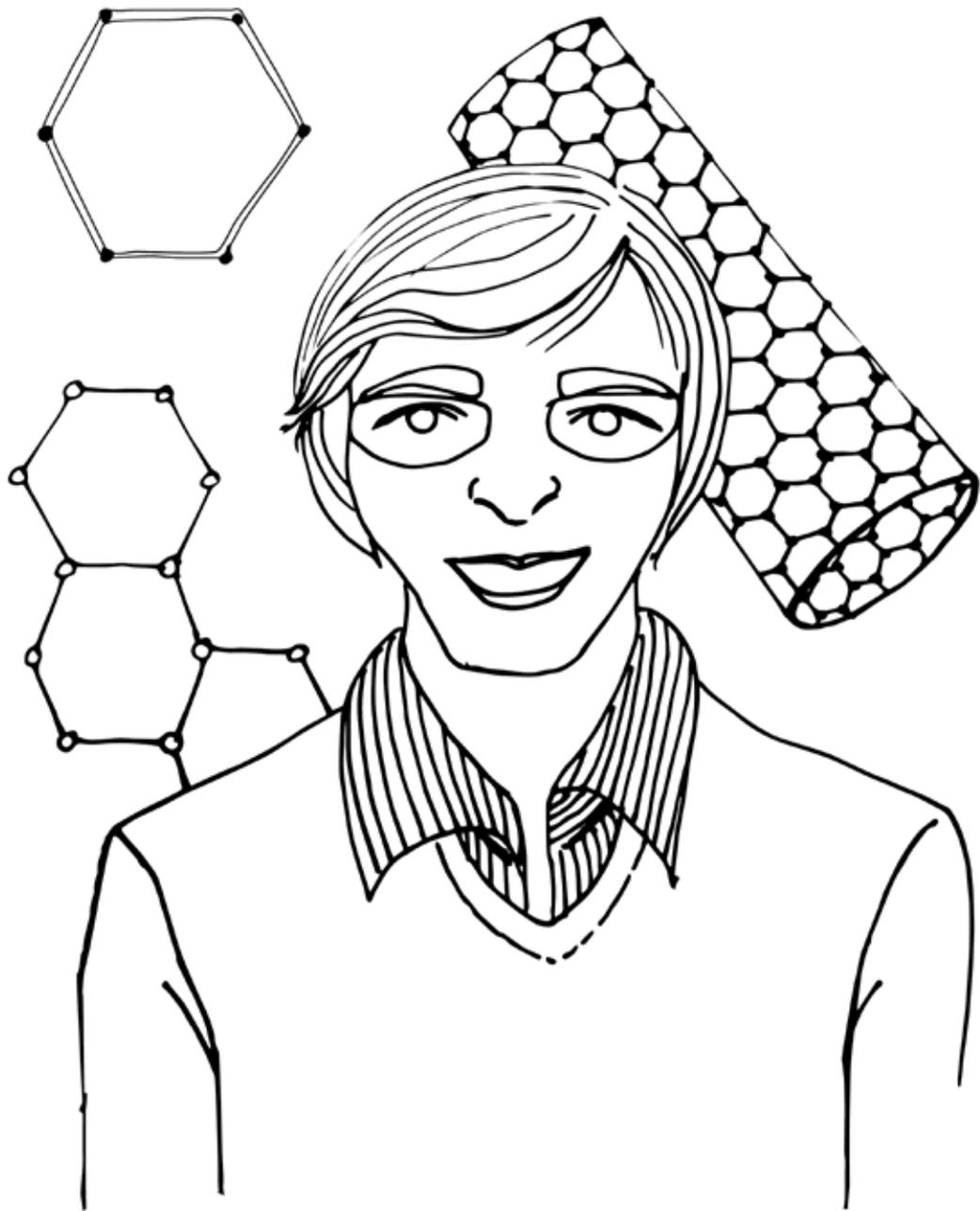
Cait MacPhee





Women in PHYSICS!

# Eleanor Campbell





**Devi Sridhar**

# Image Sources (1- 12)

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**1. Agnes Yewande Savage**  
*Left: Maaryya Sharid*  
*Right: Jenna Owen*

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**Source:** Agnes Yewande Savage, 1964, photographic print, provided by Family of Agnes Savage- Henry Mitchell Centre of African Studies, CC by 2.5

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Agnes Yewande Savage (1906-1964), was a pioneering Nigerian medical doctor and the first West African woman to qualify in orthodox medicine. She achieved a groundbreaking milestone with a first-class honors graduation from the University of Edinburgh in 1929 at age 23, making her the first West African woman to earn a university degree in medicine, despite facing gender and racial barriers.

**2. Margaret Scott-Wright**  
*Ally Mckay*

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Margaret Scott-Wright (1923 – 11 March 2008) was a Professor of Nursing at the University of Edinburgh, and later head of nursing schools in Canada. Her research related to public health and nursing education. In 1971, she became the first chair of a Nursing Studies department in the United Kingdom.



**3. Sophia Jex-Blake**  
*Jackie Aim*

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**Source:** Samuel Laurence, *Sophia Jex Blake Aged 25*, 1865, oil on canvas, Public domain image

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Sophia Jex-Blake (1840–1912) was a British physician and feminist who was one of the first women to study medicine at the University of Edinburgh, where she founded the Edinburgh School of Medicine for Women, paving the way for women’s access to medical education.



**4. Jessie MacLaren MacGregor**  
*Left: Zequen Wang*  
*Right: August Enger*

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**Source:** Jessie MacLaren MacGregor, photographic print, provided by Lothian Health Services Archive (Ref GD1/53/2/3)

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Dr. Jessie MacLaren MacGregor (1863-1906) made history as one of the first women to receive an MD degree from the University of Edinburgh in 1899, and her commitment to improving healthcare access continues to inspire generations of aspiring female physicians.



**5. Eleanor Anne Ormerod**  
*Wenwen Wang*

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**Source:** Eleanor Anne Ormerod, 1891, Internet Archive Book Images, courtesy of the Natural History Museum, Public domain image

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Eleanor Anne Ormerod (1828-1901) became one of the first experts in agricultural entomology. She was honored as the first woman to receive an honorary degree (LLD) from the University of Edinburgh, with the university later naming their research cloud computing service ‘Eleanor’ in her honor.



**6. Gertrude Herzfeld**  
*Claudia Earl*

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**Source:** Gertrude Herzfeld, photograph, provided by Lothian Health Service Archive (Reference: LHB8/71/1)

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Gertrude Herzfeld (1890 – 1981) was a pioneering English surgeon known for contributions to paediatric and gynaecological surgery, making her the first woman paediatric surgeon and the first female fellow of the Royal College of Surgeons Edinburgh.



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## 7. Chrystal Macmillan

*Jenna Owen*

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**Source:** *Postcard Studio Portrait of Chrystal Macmillan*, photographic print, LSE Library Collection, Public domain image

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Prominent suffragist, Jessie Chrystal Macmillan (1872 – 1937), was the first female science graduate in mathematics from the University of Edinburgh, actively advocating for women's rights, and playing a pivotal role in the Women's International League for Peace and Freedom, leaving a lasting impact on gender equality and social progress.



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## 8. Charlotte Auerbach

*Jenna Owen*

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**Source:** Miron Latyzsewski, 1955, *Photographic Album Presented to Waddington by Institute of Animal Genetics*, University of Edinburgh Archives, CC 3.0

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Renowned geneticist Charlotte Auerbach (1899–1994) conducted research on the mutagenic effects of chemical substances, laying the foundation for the field of chemical mutagenesis and significantly advancing our understanding of genetic diseases.



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## 9. Noreen and Kenneth Murray Library

*Ally Mckay*

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**Source:** Photo taken by Ally Mckay

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The Noreen and Kenneth Murray Library holds the University's principal printed book collections in biology, chemistry, engineering, geosciences, mathematics, physics and statistics as well as the Edinburgh Mathematical Society's book collection.



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## 10. Noreen Murray

*Sharon Chen*

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**Source:** *Photograph of Kenneth and Noreen Murray*, photographic print, provided by the Murray Archive, University of Edinburgh, CC by 3.0

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Noreen Murray (1935-2011) made significant contributions to recombinant DNA technology and played a pivotal role in developing the world's first genetically engineered vaccine for hepatitis B.



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## 11. Annie Hutton Numbers

*Kirsty Tragis*

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**Source:** *Annie Hutton Numbers*, Circa 1920, photographic print, provided by the University of Edinburgh, CC by SA 3.0

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Annie Hutton Numbers (1897 – 1988) was a Scottish chemist and academic who graduated from the University of Edinburgh with degrees in mathematics and natural philosophy in 1918 and a BSc in chemistry in 1920, later obtaining her PhD and working as an Assistant Lecturer at the university before pursuing a teaching career.



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## 12. Mary Brück

*Mayu Ishimoto*

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**Source:** Photo courtesy of the Royal Observatory Edinburgh

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Astronomer Mary Brück earned her PhD in 1950 from the University of Edinburgh, later conducting solar astrophysics research, and becoming a lecturer. Her significant contributions to astronomy and efforts to promote female astronomers were recognized with a Fellowship and the dedication of the “Mary Brück Building” in her honor.

## Image Sources (13- 26)

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**13. Vivien Kellems**  
*Alysha Wilson*

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**Source:** Blank & Stoller, *Vivien Kellems*, 1940, photographic print, provided by the Smithsonian Archives, public domain image

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Vivien Kellems (1896–1975), an American entrepreneur, inventor, and advocate for women’s rights and tax reform, specialized in economics and political science during her graduate education at the University of Edinburgh.



**14. Doris Reynolds**  
*Jackie Aim*

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**Source:** Fig 9, Cherry L. E. Lewis, 2020, The Lyell Collection

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Doris Reynolds (1899-1985), a pioneering British geologist, known for her work on metasomatism in rocks and her involvement in the “Granite Controversy,” became an honorary research fellow at the University of Edinburgh where she developed the theory of “granitisation.”



**15. Jars of Chemical Solutions**  
*Karen McPhail*

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**Source:** Photo taken by Ally Mckay, with help from the School of Chemistry

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Bottles of chemical solutions in the Christina Miller Building, King’s Buildings



**16. Xia Peisu**  
*Dagmar Danielsen*

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**Source:** Unknown author, *Chinese Computer Scientist Xia Peisu at National Chiao Tung University Chongqing campus*, 1946, Public domain image

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Xia Peisu (1923 – 2014), the “Mother of Computer Science in China,” was a renowned Chinese computer scientist and educator who made groundbreaking contributions to computer science and technology. She earned her PhD at Edinburgh and played a pivotal role in developing China’s first domestically designed general-purpose electronic computer, Model 107.

**17. Anne McLaren**  
*Ally Mckay*

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Anne McLaren, (1927 – 2007) was a British scientist who was a leading figure in developmental biology. Her work helped lead to human in vitro fertilisation (IVF), and she received many honours for her contributions to science, including election as fellow of the Royal Society, and spent time at Edinburgh as a researcher.

**18. Lilian Lindsay**  
*Ally Mckay*

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Lilian Lindsay (1871 – 1960) was a dentist, dental historian, librarian and author who became the first qualified female dentist in Britain after studying at Edinburgh and the first female president of the British Dental Association.



**19. Jane Hillston**  
*Catherine Munn*

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**Source:** Photo provided by Jane Hillston

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Jane Elizabeth Hillston (born 1963) is a British computer scientist who is professor of quantitative modelling and head of school in the School of Informatics, University of Edinburgh.



**20. Brenda Moon**  
*Catherine Munn*

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**Source:** Mary Moon, *Brenda Elizabeth Moon (1931-2011), First Female Librarian of Edinburgh University Library*, 2014, courtesy of Centre for Research Collections, University of Edinburgh, CC by SA 4.0

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Brenda Moon (1931 – 2011) was Librarian to the University of Edinburgh from 1980 to 1996. She was the first female chief of a university library in Scotland, and one of the first female librarian chiefs of a major UK research university.



**21. Chemistry Model**  
*Ally Mckay*

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**Source:** Photo taken by Ally Mckay, with help from the School of Chemistry

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An original model of molecular structure, on display in the King's Building, School of Chemistry



**22. Christina Cruikshank Miller**  
*Jenna Owen*

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**Source:** Photo courtesy of Edinburgh University School of Chemistry

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Christina Cruikshank Miller (1899-2001) was among the first five women elected to the Royal Society of Edinburgh, and the University's School of Chemistry honored her by renaming a building after her in 2014 for her groundbreaking work in producing pure phosphorus trioxide.

**23. Cait MacPhee**  
*Ally Mckay*

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Cait MacPhee is a Professor of Biological Physics at the University of Edinburgh, known for her groundbreaking research on the BslA protein from *Bacillus subtilis* and her significant contributions to women in physics.



**24. Women in Physics**  
*Ally Mckay*

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**Source:** Photo taken by Ally Mckay

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Nine of Edinburgh's remarkable women in Physics: Mylaine Hollin, Hannah Shuttleworth, Rosa Santomartino, Marialuisa Aliotta, Sally Shaw, Orianna Ball, Estifa'a Zaid, Nisha Grewal, and Holly Bridge.



**25. Eleanor Campbell**  
*Jenna Owen*

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**Source:** Photo courtesy of Eleanor Campbell

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Eleanor Campbell (1960-) is a Scottish scientist and academic. She currently holds the position of Chair of Chemistry at the University of Edinburgh.



**26. Devi Sridhar**  
*Ally Mckay*

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**Source:** Photo courtesy of Devi Sridhar

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Devi Sridhar is an American public health researcher, professor, and chair of global public health at the University of Edinburgh, where she also founded the Global Health Governance Programme. She gained recognition for assessing international responses to the Ebola virus epidemic and advising on COVID-19 policies for the UK and Scottish governments.



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# THANKS TO...

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Complied by Information Service's Interactive  
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