



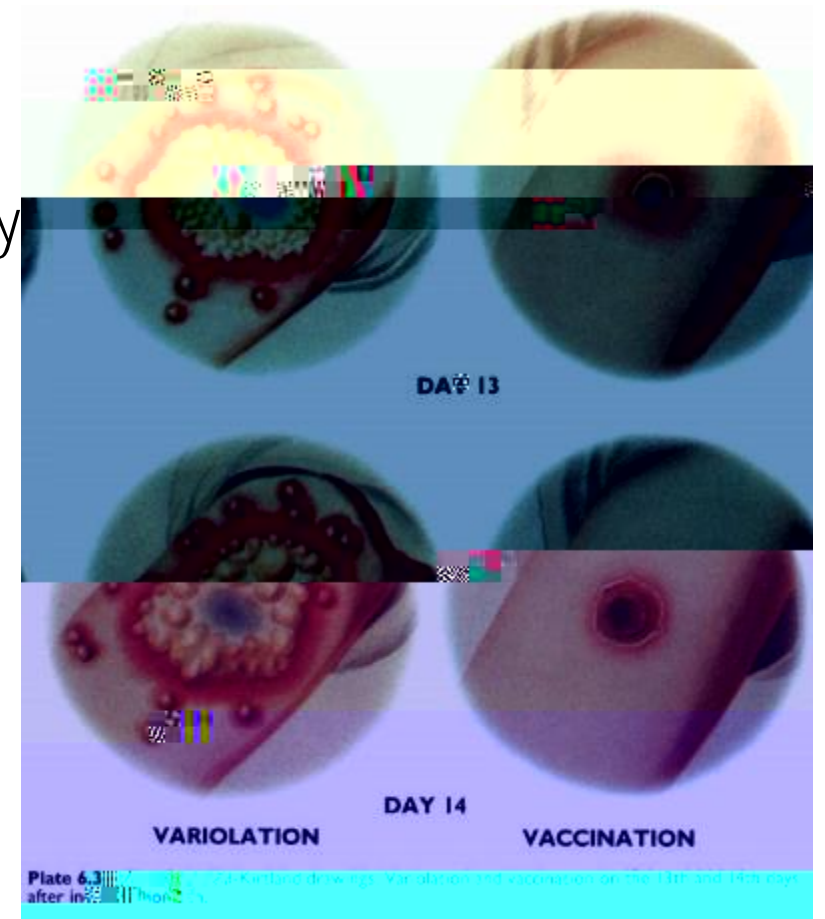
Elizabeth Wynn

She/her

24/6/21

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- 15 May 1689 – 21 August 1762
 - English aristocrat and writer
 - Her brother died of smallpox in 1713
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- Variolation
 - China – 15th century
 - India, Sudan and Ottoman Empire – 18th century
- Introduction to UK
 - Montagu children
 - Newgate Prison
 - Princes Octavius and Alfred
- Replaced by Jenner's vaccine

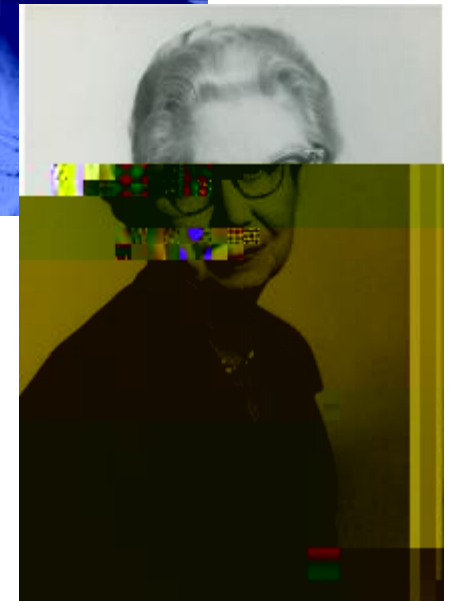
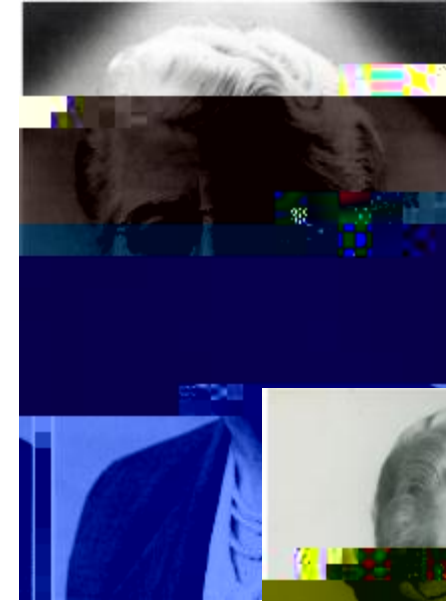


Pearl Kendrick (24 August 1890 – 8 October 1980)

- Started working as a researcher at the Michigan Department of Health in 1919
- Gained her PhD in bacteriology in 1934

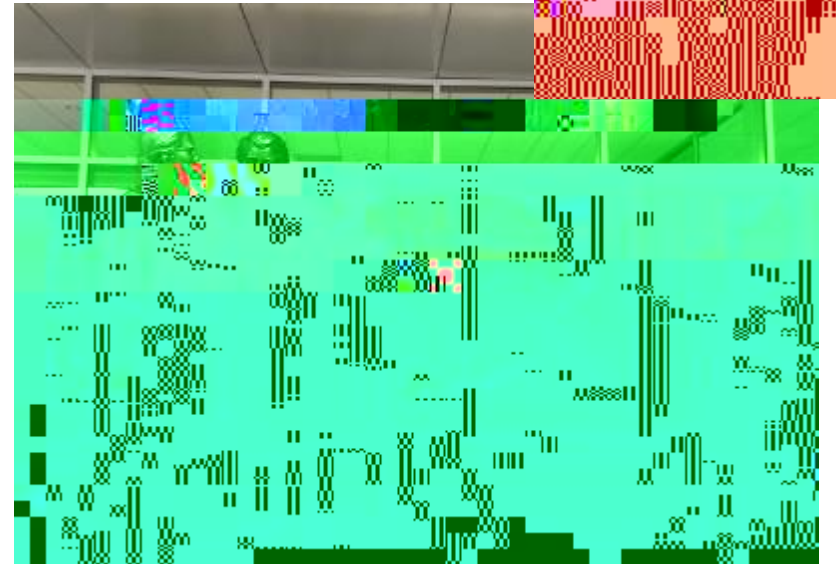
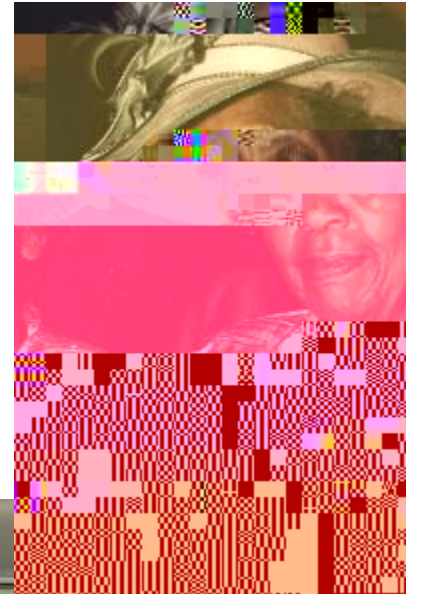
Grace Eldering (5 September 1900 – 31 August 1988)

- Joined the Michigan Department of Health in 1928
- Gained her PhD in bacteriology in 1942
- Started developing a whooping cough () vaccination in 1932
- Low funding so they relied on volunteers and community involvement
- Small scale vaccine production started in 1933 and a large vaccine trial in 1934



Loney Clinton Gordon (October 8 1915 – 16 July 1999)

- Chemist who joined the Michigan Department of Health in 1944
- Tested '1000s' of culture plates to discover the best medium for growing
- Developed first combined DTP (diphtheria, tetanus, and pertussis) vaccine in 1949



Dorothy Horstmann

- 2 July 1911 – 11 January 2001
- Became a doctor in 1940, first specialising in internal medicine before switching to infectious diseases
- Studied poliovirus transmission and

Isabel Morgan

- 20 August 1911 – 18 August 1996
- Gained her PhD in bacteriology in 1938
- Identified the three serotypes of poliovirus
- Performed successful killed-virus vaccine trials in monkeys in 1948
- Left research in 1949 to become a homemaker
- Retrained as a biostatistician in the 1960s



Kizzmekia Corbett

- American viral immunologist at the Vaccine Research Center where she is the scientific lead on their coronavirus team
- Central to the development of the Moderna mRNA vaccine and the Eli Lilly therapeutic monoclonal antibody



Kizzmekia

Kizzmekia Corbett

Sarah Gilbert

Kathrin Jansen

- Head of Vaccine Research and Development at Pfizer
- Worked on the Pfizer–BioNTech COVID-19 mRNA

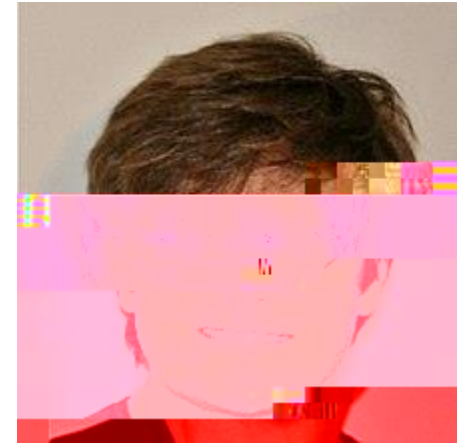
Kizzmekia Corbett

Sarah Gilbert

Kathrin Jansen

Katalin Karikó

- Co-founder and former CEO of RNARx before becoming senior vice president of BioNTech
- Her patent on nucleoside modifications relating to RNA-mediated immune activation was licensed for both the Moderna and BioNTech vaccines





Kizzmekia Corbett

Sarah Gilbert

Kathrin Jansen

Katalin Karikó

Nita Patel

Özlem Türeci

- Co-founder and chief medical officer of BioNTech
- Using the profits from their COVID-19 vaccine, BioNTech plans to pursue its original goal of creating an mRNA-based cancer vaccine



- Michelle Linterman

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- Patricia Amé-Thomas
 - Alice Denton
 - Sigrid Fra-Bido
 - Xin Ge
 - Danika Hill
 - Silvia Innocentin
 - Jia Le Lee
 - Marisa Stebegg
 - Ine Vanderleyden
 - Louise Webb

Discussion time

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- How One Daring Woman Introduced the Idea of Smallpox Inoculation to England
 - Pearl Kendrick, Grace Eldering, and the Pertussis Vaccine
 - Whooping Cough Killed 6,000 Kids a Year Before These Ex-Teachers Created a Vaccine
 - The Unsung Women in the Race for the Polio Vaccine
 - Women in science who are making a difference during the pandemic
 - Meet the women leading the fightback against COVID-19
 - Michelle Linterman – Babraham Institute