



Image via A Feeling for an Organism, with permission

# Put Barbara McClintock On The \$10 Bill

*The Campaign to Put a Woman of Science on the \$10 Bill*

**Don Gibson**, Plant Biology Department, Genome Center, & UC World Food Center's  
Institute for Food and Ag Literacy, University of California, Davis, CA 95616



**Introduction:** The US Treasury Department announced on June 16th a woman will be on the \$10 bill and called for public input using the hashtag: #TheNew10

A team of UC Davis scientists, lead by PhD student Don Gibson, have launched an outreach campaign and petition to advocate for the Nobel Prize winning American Plant Biologist, Barbara McClintock to be on the new \$10 bill.

## Barbara McClintock's Discoveries, Contributions, Firsts:

1929: First Linkage Groups in *Zea mays*

1931: Recombination & Crossing Over Occurs During Meiosis

1934: First to Identify the Nucleolus Organizer Region

1941: Chromosome Instability: Breakage-Fusion-Bridge Cycle

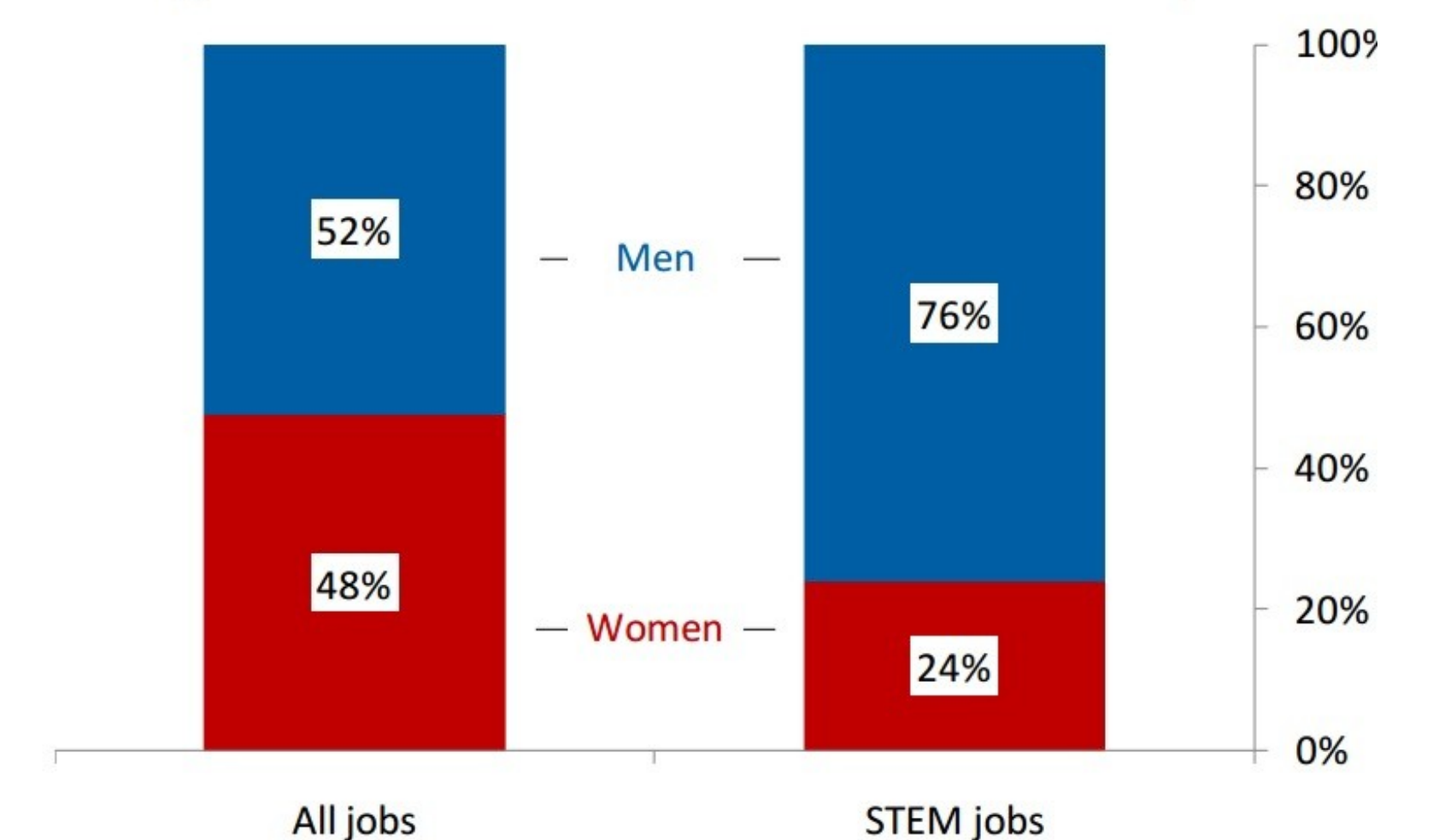
1951: Transposable Elements Discovered

1960s-1970s: Ethnobotany of Maize in Latin America

1983: Recognized for her Work on Transposable Elements with the Nobel Prize in Physiology or Medicine

## Address Disparities in STEM

Figure 1. Gender Shares of Total and STEM Jobs, 2009



Source: ESA calculations from American Community Survey public-use microdata.  
Note: Estimates are for employed persons age 16 and over.



McClintock discovered transposable elements by studying mosaics in maize.

Image via Robert Martienssen, Cold Spring Harbor Laboratory



## Highlight Research in Plants Impacts on ALL of Biology



## Top \$10 Reasons for Barbara McClintock

#10. Only Woman to Single-Handedly Win a Nobel Prize in Life Science

#9. Breakthroughs Came From Her Entire Career

#8. Faced Harsh Discrimination at Every Step

#7. Understanding of Biology Far Ahead of Her Time

#6. Americans Founded Genetics Discipline

#5. The United States Still the Leader in Genetics

#4. Show America Values Science with a Scientist on Money

#3. Transposons are Powerful Tool for Science

#2. Took ~30 Years to Recognize Transposons

#1. Gender Discrimination Still Exists in Science

## Show Your Support Now by Signing the Petition:

[Barbaraonthebill.org/take-action](http://Barbaraonthebill.org/take-action)

Follow & Tweet: @barbarathenew10

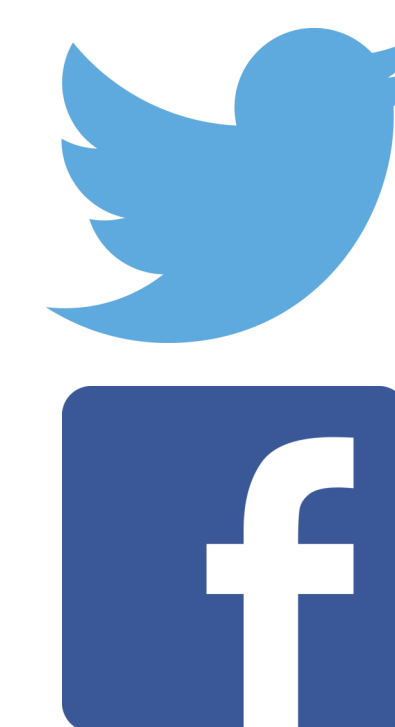
Use: #TheNew10 & #Barbara10

Like on Facebook at:

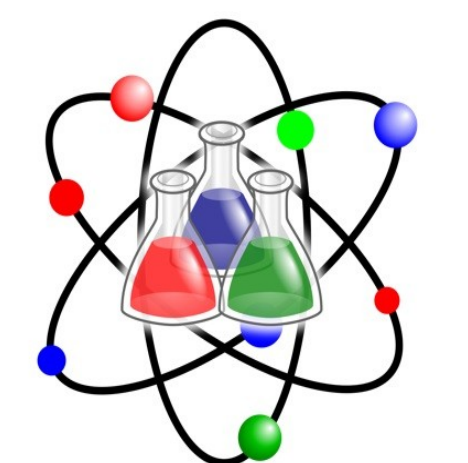
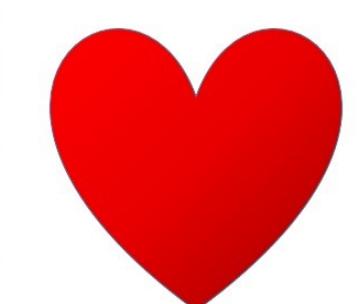
[Facebook.com/barbarathenew10](https://www.facebook.com/barbarathenew10)

Qs? Contact Don Gibson @DNAgibson

Email: [dongibson@ucdavis.edu](mailto:dongibson@ucdavis.edu)

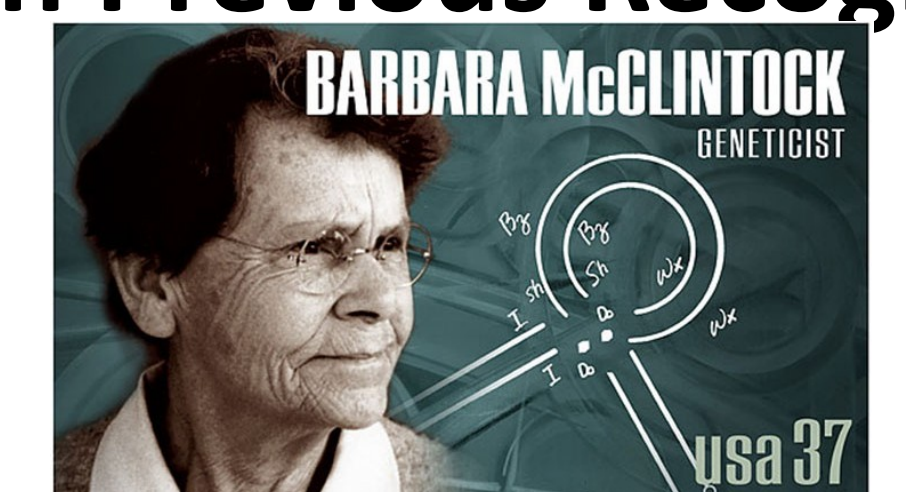


## Show America Values Science



With a Scientist on Currency

## Build on Previous Recognition



Via United States Postal Service 2005