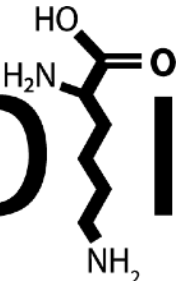
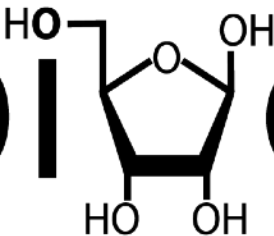
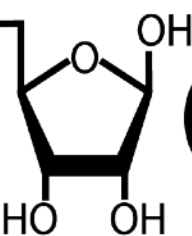


Want to edit Wikipedia, but
don't know where to start?

Here's

the    chemist

guide to helping you do
your part!

Wikipedia has a serious diversity problem

- Less than 18% of Wikipedia's biographical articles are about women

I got inspired by the work of
Dr. Jess Wade

Academic writes 270 Wikipedia pages in a year to get female scientists noticed

Researcher Jess Wade says efforts to attract girls into science are not evidence-based - and are not working



<https://www.theguardian.com/education/2018/jul/24/academic-writes-270-wikipedia-pages-year-female-scientists-noticed>

Welcome to Wiki World!

- what are all these things?

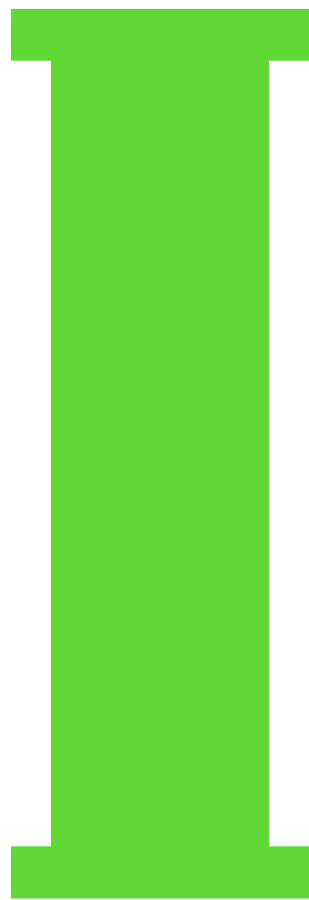
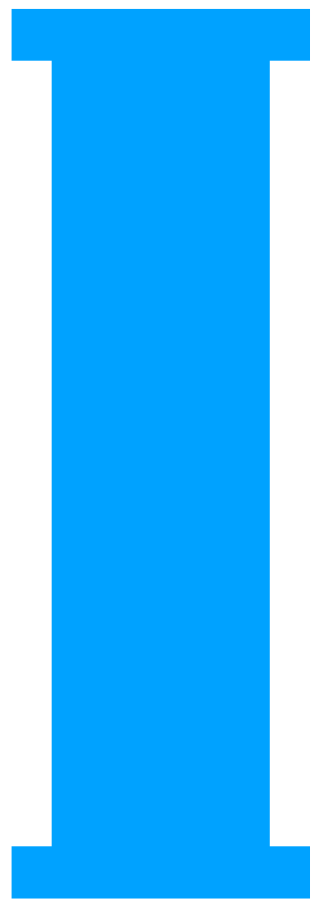
Wikipedia is just 1
part of the
WikiMedia universe

Wikipedia

Wikimedia
Commons
FREE PICTURES!



WIKIPEDIA'S 5 PILLARS

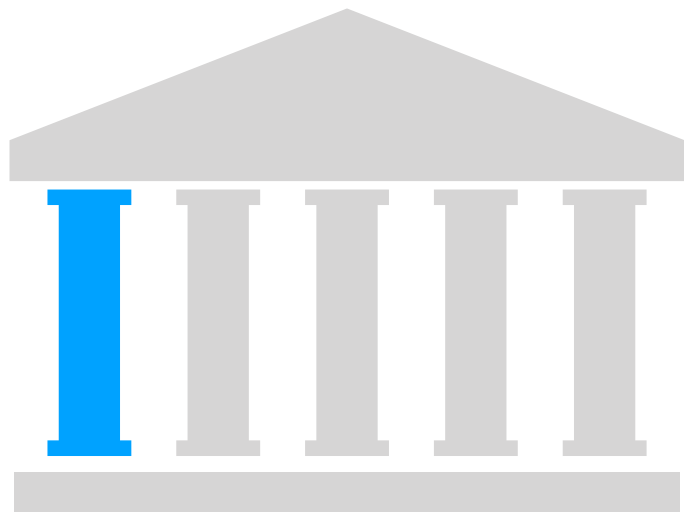


neutral point of
view

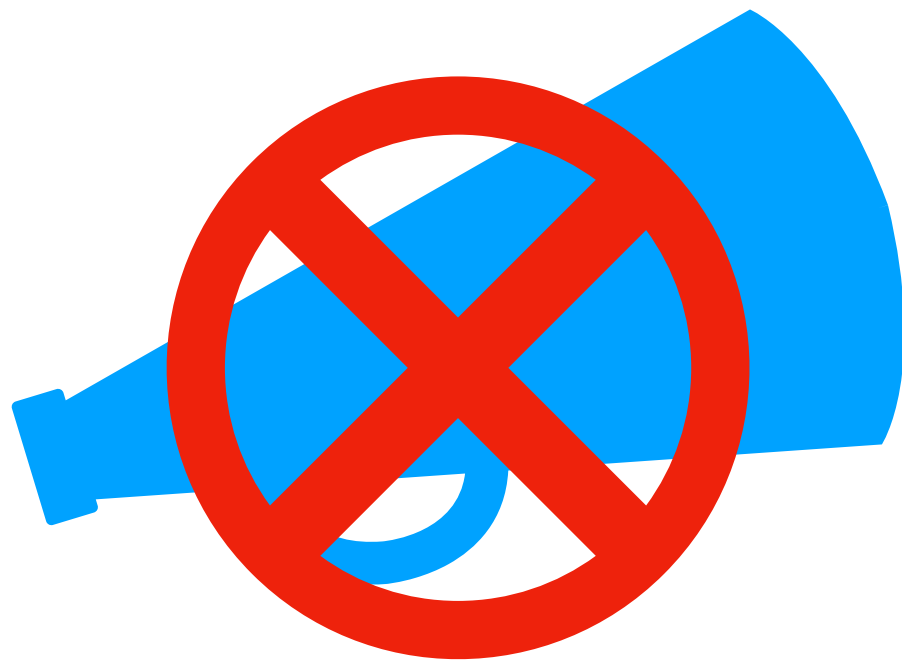
free content

respect &
civility

no firm
rules



1. Wikipedia is an online encyclopedia



NOT A SOAPBOX



NOT PRIMARY RESEARCH



2. Wikipedia is written from a neutral point of view

- describe, don't debate; keep opinions out
- strive for VERIFIABLE ACCURACY - cite reliable, authoritative sources
- special caution for articles on living persons
- avoid conflict of interest (COI) - no editing articles about yourself or any subject you have a personal, financial, or professional relationship with



3. Wikipedia is FREE content

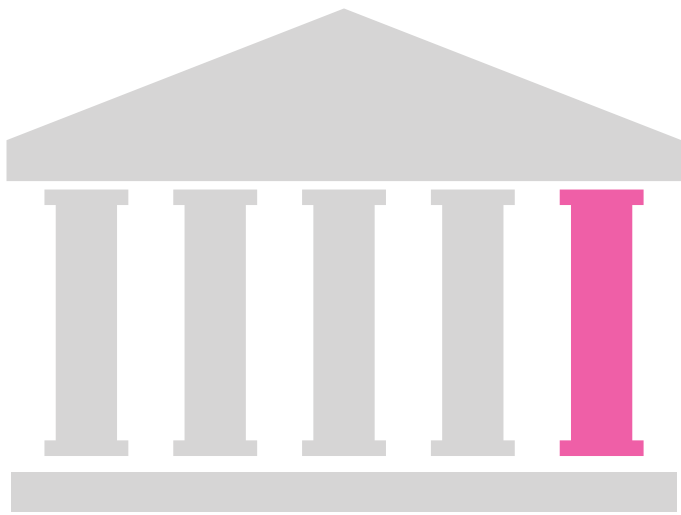
- all editors freely license their work to the public
- you don't own what you write
- respect copyright laws
- don't plagiarize
- try to find free alternatives before borrowing non-free as fair use



4. Respect and civility

- Wikipedia etiquette
- no personal attacks
- assume good faith
- be welcoming to newcomers
- every article has a Talk page where you can interact with the other editors working on it





5. No firm rules

- but there are policies & guidelines
- be bold but not reckless
- every past version of a page is saved, so don't be afraid!

Verifiability

- reliable sources include:
 - textbooks
 - literature reviews
 - books or publications written by experts & published by reliable publishers
- do NOT use:
 - blog posts
 - biased press materials
- CITE - provide a way for others to check its accuracy

Notability

- basic requirement for a topic to have its own article: significant coverage in reliable sources that are independent of the subject
 - significant coverage
 - at least a couple sources talk specifically about it (doesn't have to be core focus of book or article, but needs to be more than a passing mention)
 - reliable sources
 - secondary sources from reputable publishers (don't have to be in English or online)
- independent of the subject
 - NOT self-publicity, advertising, self-published material by subject, autobiographies, press releases

No original research

- don't publish your ideas or conclusions on a topic
- summarize what OTHER people have said
- only write what you can explicitly verify
 - example:
 - write: High levels of fish poison were found in the water in 2002 (source #1). The fish population declined 50% in 2003 (source #2).
 - NOT: High levels of fish poison in the water led to a 50% decline in the fish population.
 - UNLESS you have a source you can cite that explicitly draws that conclusion

Copyright and plagiarism

- except for brief quotations, no copying content from copyrighted sources onto Wikipedia
- unattributed plagiarism - copied word-for-word without citation
- cited plagiarism - copied word-for-word but cited - still not OK!
- close paraphrasing - word order changed slightly - still not OK!
- can challenge unreferenced statements with a `{{fact}}` tag in wikicode -> adds a `[citation needed]` tag to the statement

Special difficulties for women

- less written about them
- name changes - speaking of which, you can (and should) create “redirects” from all the versions of the name that someone might search to the main page
- great information: https://en.wikipedia.org/wiki/Wikipedia:WikiProject_Women_in_Red/Essays/Primer_for_creating_women%27s_biographies

Special difficulties for scientists

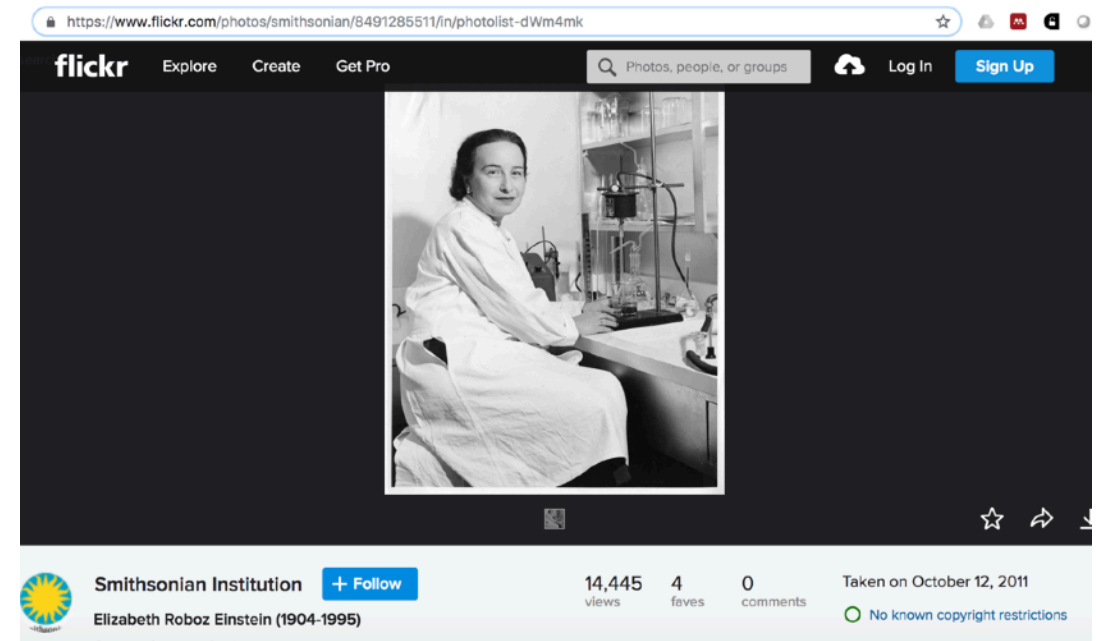
- Often not much is written about them - so not enough proof they're "notable"
- Donna Strickland wasn't considered "notable" until she won a Nobel Prize - not enough had been written about her beforehand
- Check out the notability guidelines for academics to make sure the scientist you want to write about meets them

Pictures

- Wikipedia is very strict/cautious about this!
- “Safe” photos to use are those:
 - in the public domain
 - created & shared with no restrictions, often by government agencies
 - works where copyright has expired (published before 1923 in US - varies by country - check!)
 - licensed with one of these free licenses:
 - CC BY-SA, CC BY, CC0
- For more information:
 - https://en.wikipedia.org/wiki/Wikipedia:WikiProject_Women_in_Red/Essays/Primer_for_creating_women's_biographies#Photographs
 - <https://dashboard.wikiedu.org/training/students/images-and-media/finding-an-image-on-wikipedia>
 - https://en.wikipedia.org/wiki/Wikipedia:Ten_things_you_may_not_know_about_images_on_Wikipedia

Finding usable pictures

- 1st: check Wikimedia Commons
- Flickr
 - 4 kinds of licenses you can potentially upload to the Commons using the Upload Wizard:
 - Commercial use allowed
 - Commercial use & mods allowed
 - U.S. Government works
 - No known copyright restrictions (potentially...)



An institution's stated terms of use may contradict with the Flickr license...

You may not use the Content for commercial purposes.

Fair use pictures

- Fair-Use
 - you might be able to upload a low resolution picture of a deceased scientist if you can justify how it meets fair-use criteria:
 - [Template and example](#)
- More info:
 - https://en.wikipedia.org/wiki/Wikipedia:Plain_and_simple_non-free_content_guide
 - https://en.wikipedia.org/wiki/Wikipedia:Plain_and_simple_non-free_content_guide
 - <https://www.wikihow.com/Upload-Files-in-Wikipedia>
- if you can't find one you can put: {{Image requested|people}} template on the article's talk page

Categories

- find the most specific subcategory & use it
- index of all categories
- view category trees

for example, you'd add it to this
bottom category and it'll
automatically be in those others



Scientists

Women scientists

Women chemists

Women chemists
from Sweden

WikiProjects

- pages where editors have organized around a particular topic
- some keep lists of undeveloped or missing articles
- can add an article to a project by putting it's template on the article's talk page
- Directory
- some that might be of interest to you:
 - WikiProject Women scientists
 - WikiProject Women in Red
 - WikiProject Biographies
 - WikiProject History of Science
 - WikiProject Molecular and Cell Biology

Who to write about?

- WikiProject Women scientists worklist
- WikiProject Women in Red RedList
- Article Finder tool
 - lets you search keywords - can filter results by quality, completeness, & page view per day
- WikiProject pages
 - lists of articles to be worked on
 - assessment tables

Statistics							
MCB articles by quality and importance							
Quality	Importance						Total
	Top	High	Mid	Low	NA	???	
★ FA	10	5	8	6			29
ⓘ A		1	1	14			16
⊕ GA	14	14	13	11			52
B	40	180	235	206			661
C	57	159	360	622			1,198
Start	40	349	890	5,121		3	6,403
Stub		63	389	19,502			19,954
List		9	37	48	259		353
Book					1		1
Category					752		752
Disambig					41		41
Portal					3		3
Redirect			2	5	525		532
Template					280		280
NA					9		9
Assessed	161	780	1,935	25,535	1,874	3	30,288
Draft					4		4
Unassessed			1	2		1	4
Total	161	780	1,936	25,537	1,874	4	30,292
WikiWork factors (?)		$\omega = 158,686$			$\Omega = 5.60$		

Need help? Take a tea break!

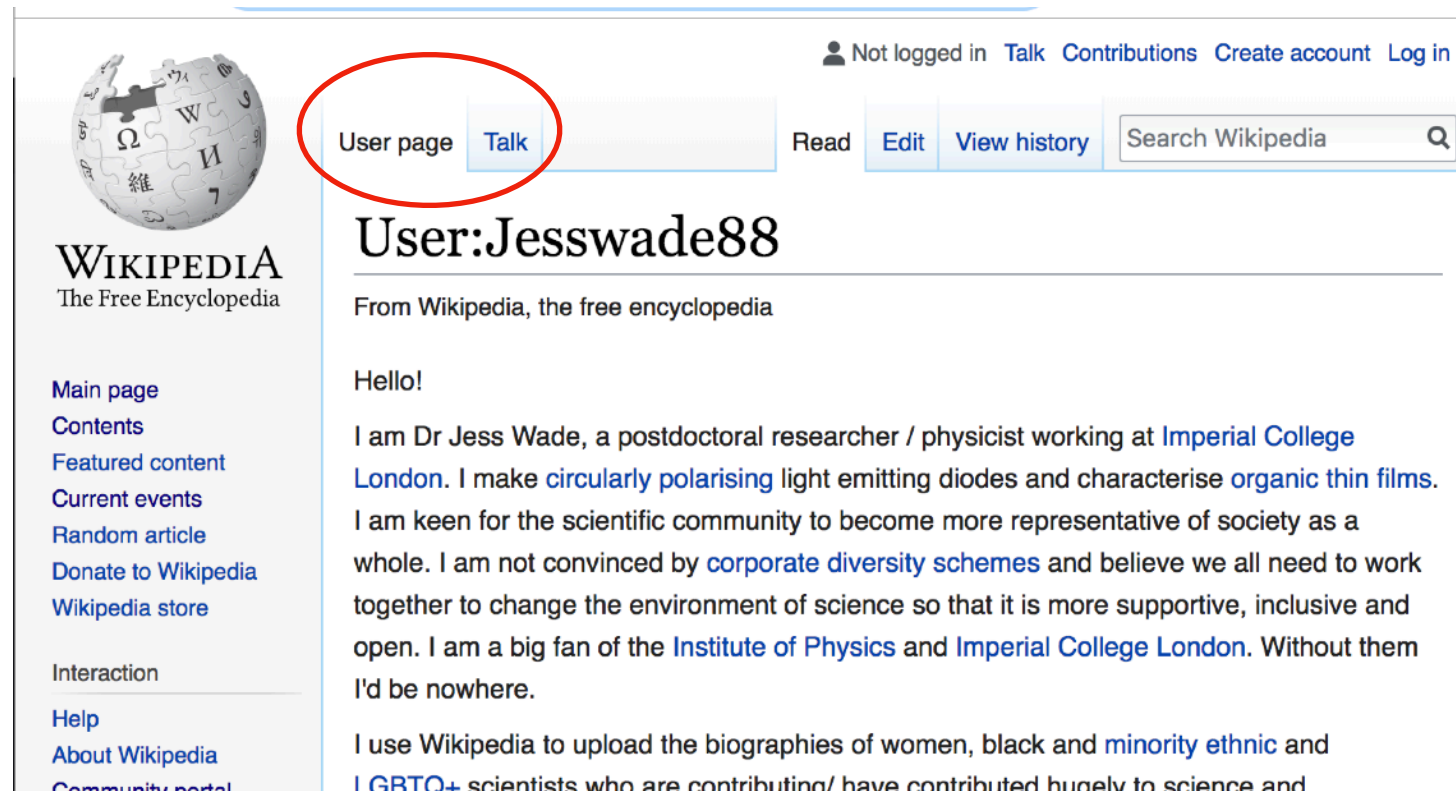
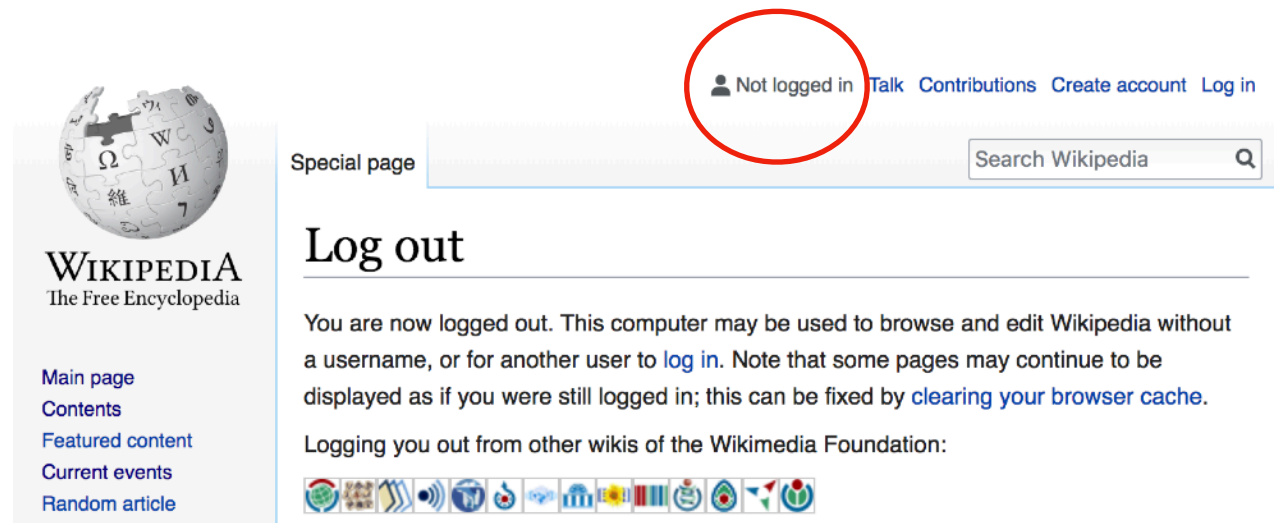
- To search within Wikipedia (not the articles), type Wikipedia: into search bar followed by what you're looking for
- Help directory with links to tons of helpful resources
- Reference Desk To find links to places to get help on specific topics
- the Teahouse is a great way to get answers to your questions from patient people
- WikiEdu has some good tutorials
- And you can always search Google

Let's take a look

Types of pages

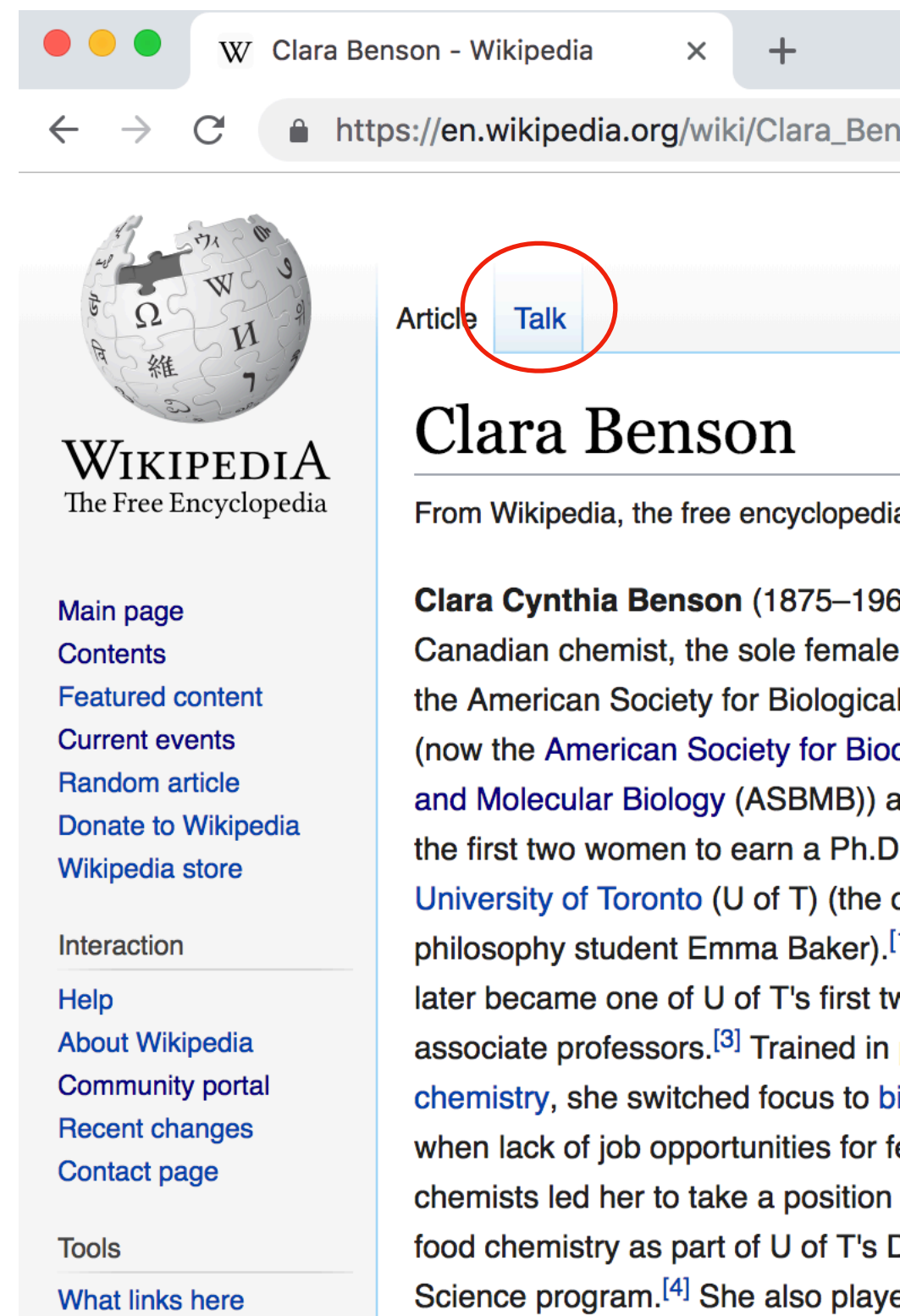
User pages

- every account has a user page
- every user page has a talk page
- users will be notified if you leave a message for them on their Talk page



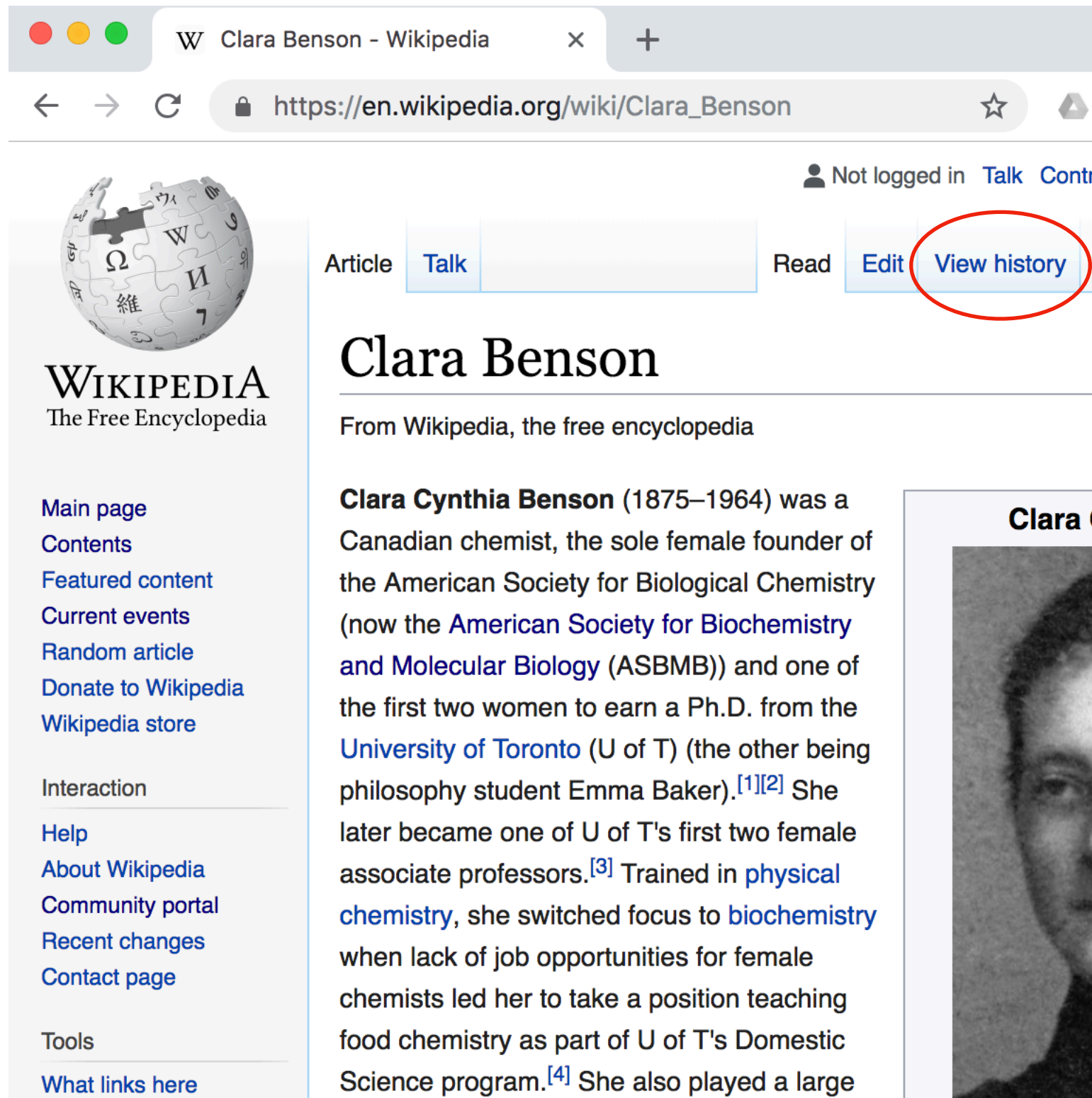
Talk pages

- every article has its own talk page
- can introduce plans to improve an article, share books or articles you want to use
- ask any questions
- no Visual Editor option
- to add a message, click the “New Section” button
- add your comments to the bottom of the page & give the message a title
- use a colon to indent your response deeper into the conversation
 - :, ::, ::: etc.
- sign your messages with four tildes ~~~~ to automatically mark it with your username & a timestamp



History

- View history page
 - list of recent changes & edit summaries
- can compare histories between articles



The screenshot shows a web browser window with the Wikipedia article for Clara Benson. The browser's address bar shows the URL https://en.wikipedia.org/wiki/Clara_Benson. The Wikipedia logo is visible on the left side of the page. The article title "Clara Benson" is prominently displayed. Below the title, there is a summary of her life. The "View history" button is circled in red, indicating the focus of the presentation.

Wikipedia - Clara Benson

Not logged in [Talk](#) [Contributions](#)

[Article](#) [Talk](#) [Read](#) [Edit](#) [View history](#)

Clara Benson

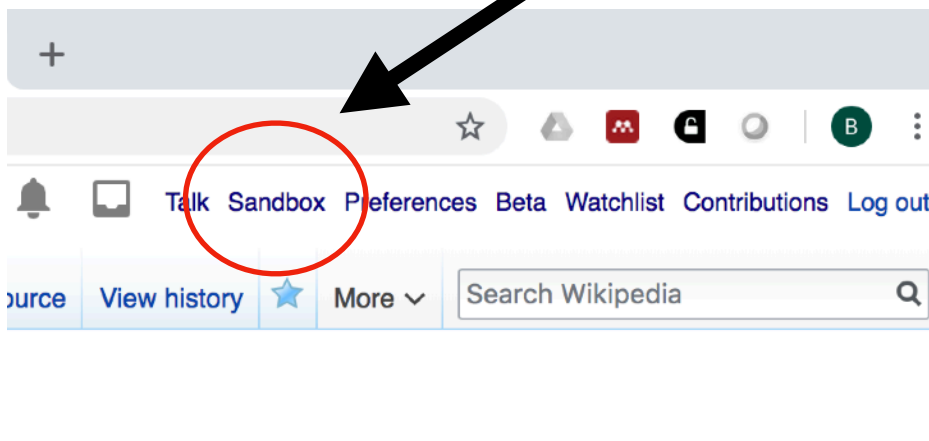
From Wikipedia, the free encyclopedia

Clara Cynthia Benson (1875–1964) was a Canadian chemist, the sole female founder of the American Society for Biological Chemistry (now the [American Society for Biochemistry and Molecular Biology](#) (ASBMB)) and one of the first two women to earn a Ph.D. from the [University of Toronto](#) (U of T) (the other being philosophy student Emma Baker).^{[1][2]} She later became one of U of T's first two female associate professors.^[3] Trained in [physical chemistry](#), she switched focus to [biochemistry](#) when lack of job opportunities for female chemists led her to take a position teaching food chemistry as part of U of T's Domestic Science program.^[4] She also played a large

Clara

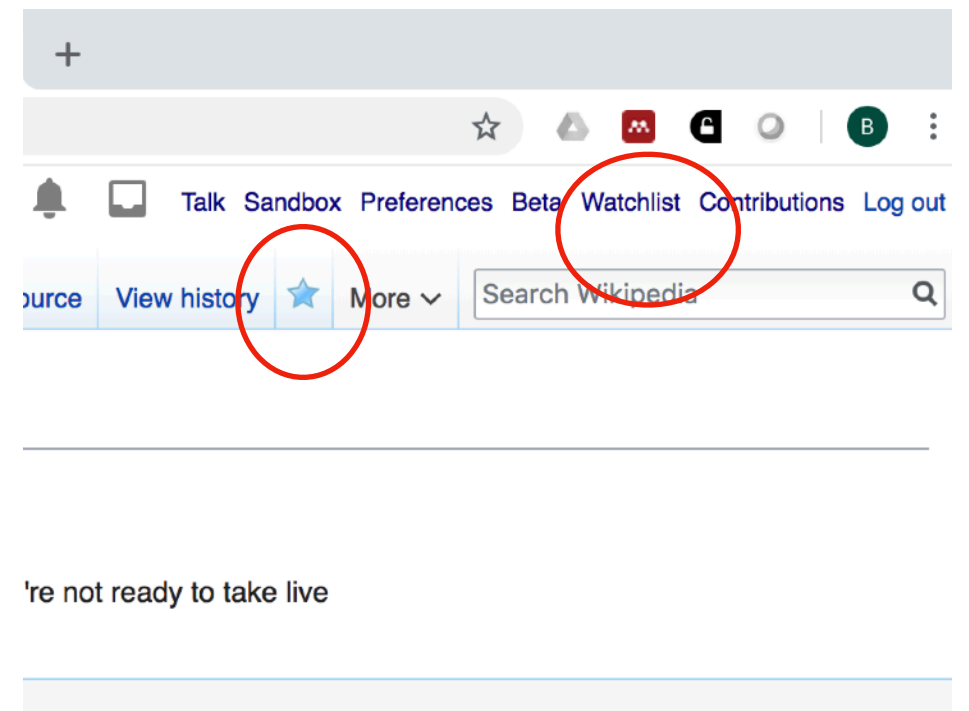
The sandbox

you can find it here

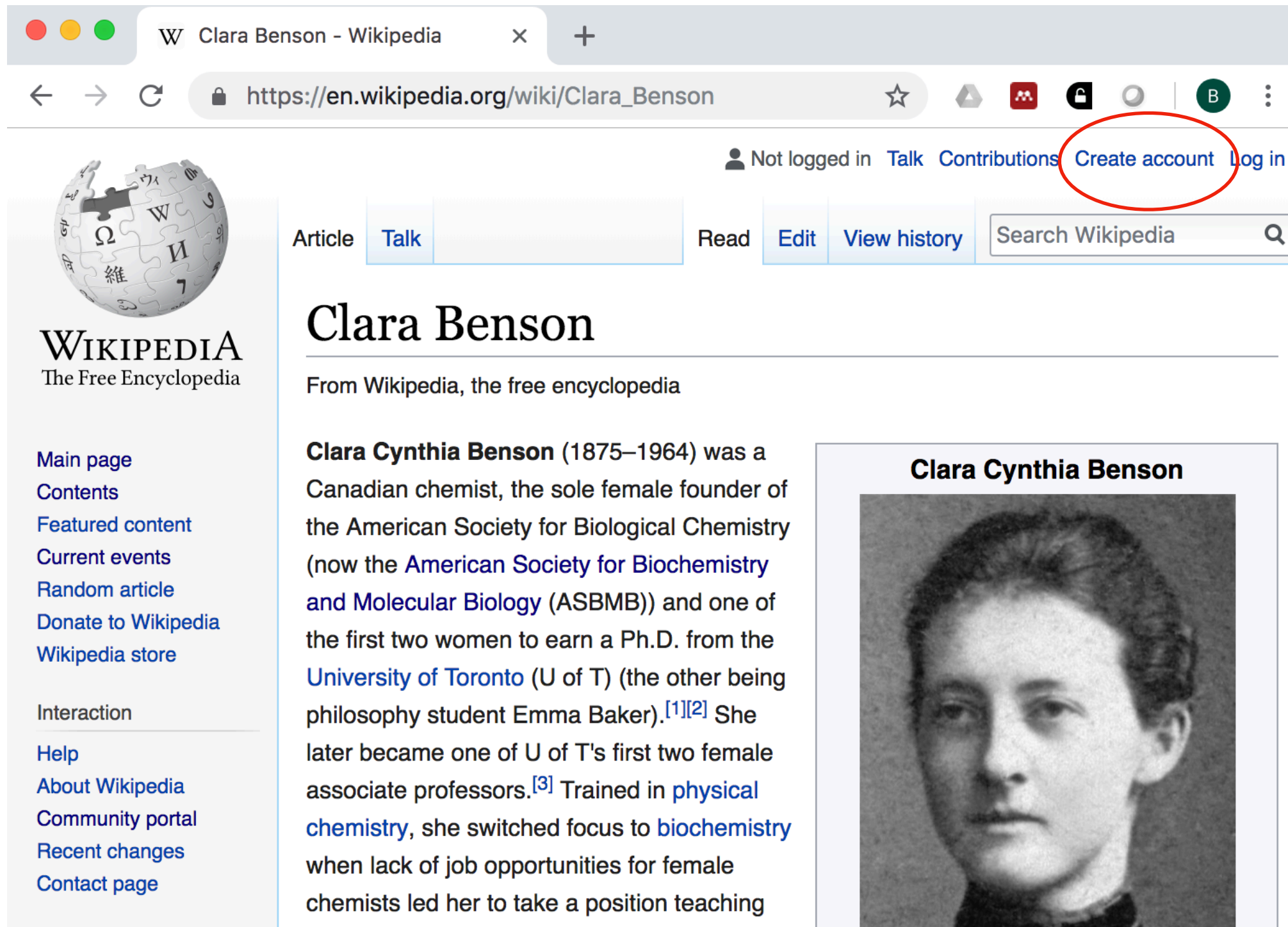
- this is where you can practice before taking a page “live”
 - it’s not indexed by search engines, but people can still see it if they have the link - so don’t put things on there you wouldn’t want someone to find accidentally
- 
- The screenshot shows the Wikipedia user interface. In the top navigation bar, the 'Sandbox' link is circled in red. An arrow points from the text 'you can find it here' to this link. Other visible links in the navigation bar include 'Talk', 'Preferences', 'Beta', 'Watchlist', 'Contributions', and 'Log out'. Below the navigation bar, there are links for 'Source', 'View history', and 'More', along with a search box labeled 'Search Wikipedia'.
- you can create as many sandbox pages as you want by
 - editing the URL after your username with the name of the new page you want to create (e.g. <https://en.wikipedia.org/wiki/User:Username/sandboxname>)
 - or put this in the search box: User:Yourname/sandboxname
 - additional sandboxes won’t be automatically linked - you can still find them in your contributions list; might be helpful to add links to them on your user page to find them easily

Watchlists

- personal Watchlist to monitor article changes, conversations, & collaborations
- can add any page to your Watchlist by clicking the star
- adding an article also adds that article's talk page
- can set email preferences to be notified by email



First things first - create an account



The screenshot shows a web browser window with the Wikipedia page for Clara Benson. The browser's address bar displays the URL https://en.wikipedia.org/wiki/Clara_Benson. In the top right corner of the page, the user status is "Not logged in", and the "Create account" link is highlighted with a red circle. Other navigation links include "Talk", "Contributions", and "Log in". The left sidebar contains the Wikipedia logo and a list of links: "Main page", "Contents", "Featured content", "Current events", "Random article", "Donate to Wikipedia", "Wikipedia store", "Interaction", "Help", "About Wikipedia", "Community portal", "Recent changes", and "Contact page". The main content area features the article title "Clara Benson" and a sub-header "From Wikipedia, the free encyclopedia". The article text begins with "Clara Cynthia Benson (1875–1964) was a Canadian chemist, the sole female founder of the American Society for Biological Chemistry (now the American Society for Biochemistry and Molecular Biology (ASBMB)) and one of the first two women to earn a Ph.D. from the University of Toronto (U of T) (the other being philosophy student Emma Baker).^{[1][2]} She later became one of U of T's first two female associate professors.^[3] Trained in physical chemistry, she switched focus to biochemistry when lack of job opportunities for female chemists led her to take a position teaching

Article [Talk](#) [Read](#) [Edit](#) [View history](#)

Clara Benson

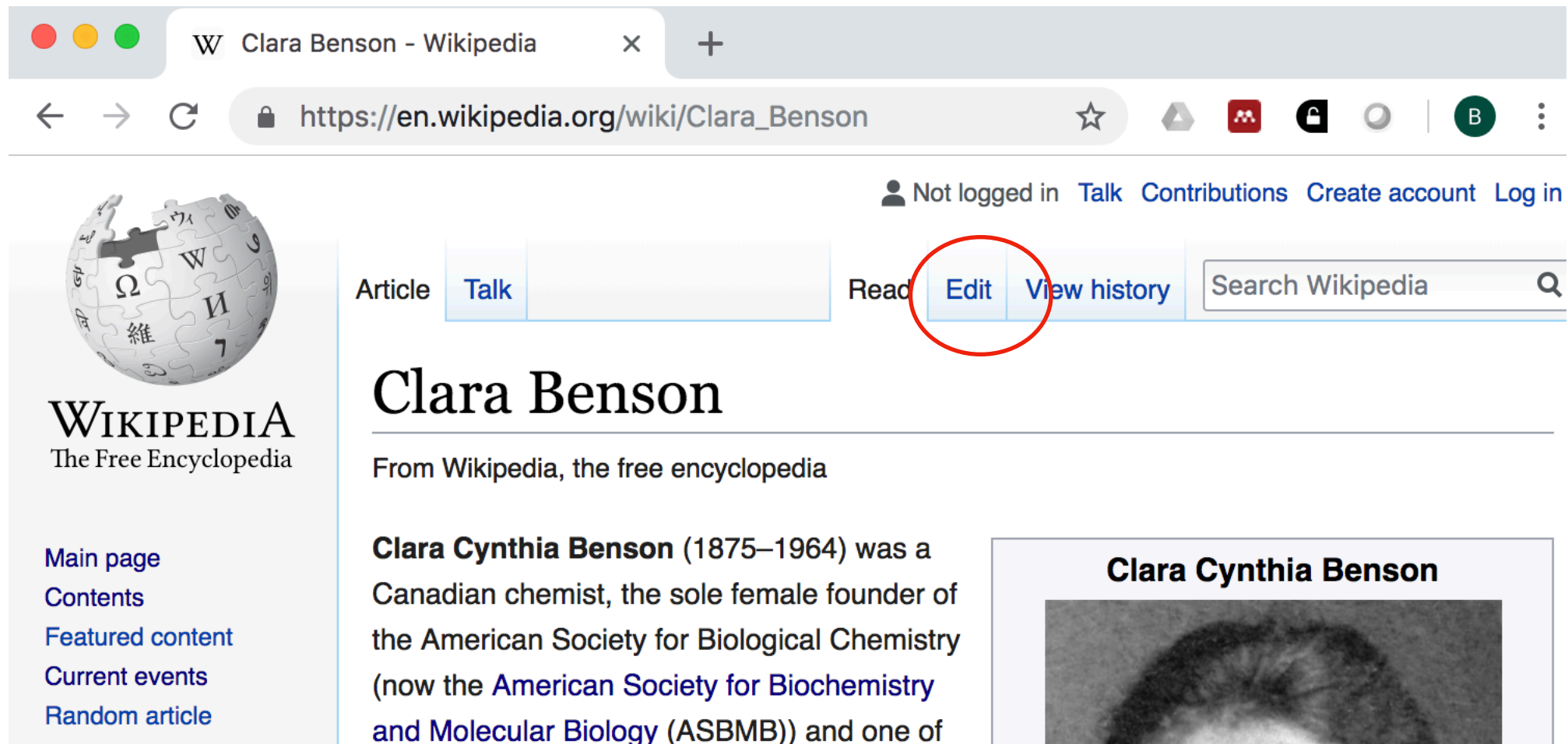
From Wikipedia, the free encyclopedia

Clara Cynthia Benson (1875–1964) was a Canadian chemist, the sole female founder of the American Society for Biological Chemistry (now the [American Society for Biochemistry and Molecular Biology](#) (ASBMB)) and one of the first two women to earn a Ph.D. from the [University of Toronto](#) (U of T) (the other being philosophy student Emma Baker).^{[1][2]} She later became one of U of T's first two female associate professors.^[3] Trained in [physical chemistry](#), she switched focus to [biochemistry](#) when lack of job opportunities for female chemists led her to take a position teaching

Clara Cynthia Benson



Editing an existing page



The screenshot shows a web browser window with the Wikipedia article for Clara Benson. The browser's address bar displays the URL https://en.wikipedia.org/wiki/Clara_Benson. The page header includes the Wikipedia logo and the text "WIKIPEDIA The Free Encyclopedia". The article title "Clara Benson" is prominently displayed, followed by the subtitle "From Wikipedia, the free encyclopedia". The main text of the article begins with "Clara Cynthia Benson (1875–1964) was a Canadian chemist, the sole female founder of the American Society for Biological Chemistry (now the American Society for Biochemistry and Molecular Biology (ASBMB)) and one of". To the right of the article title, there are tabs for "Article" and "Talk", and a "Read" button. The "Edit" button is circled in red, and the "View history" button is also visible. A search bar with the text "Search Wikipedia" is located to the right of the "View history" button. The left sidebar contains links to "Main page", "Contents", "Featured content", "Current events", and "Random article".

Wikipedia - Clara Benson - Wikipedia

Not logged in | Talk | Contributions | Create account | Log in

Article | **Talk** | Read | **Edit** | View history | Search Wikipedia

Clara Benson

From Wikipedia, the free encyclopedia

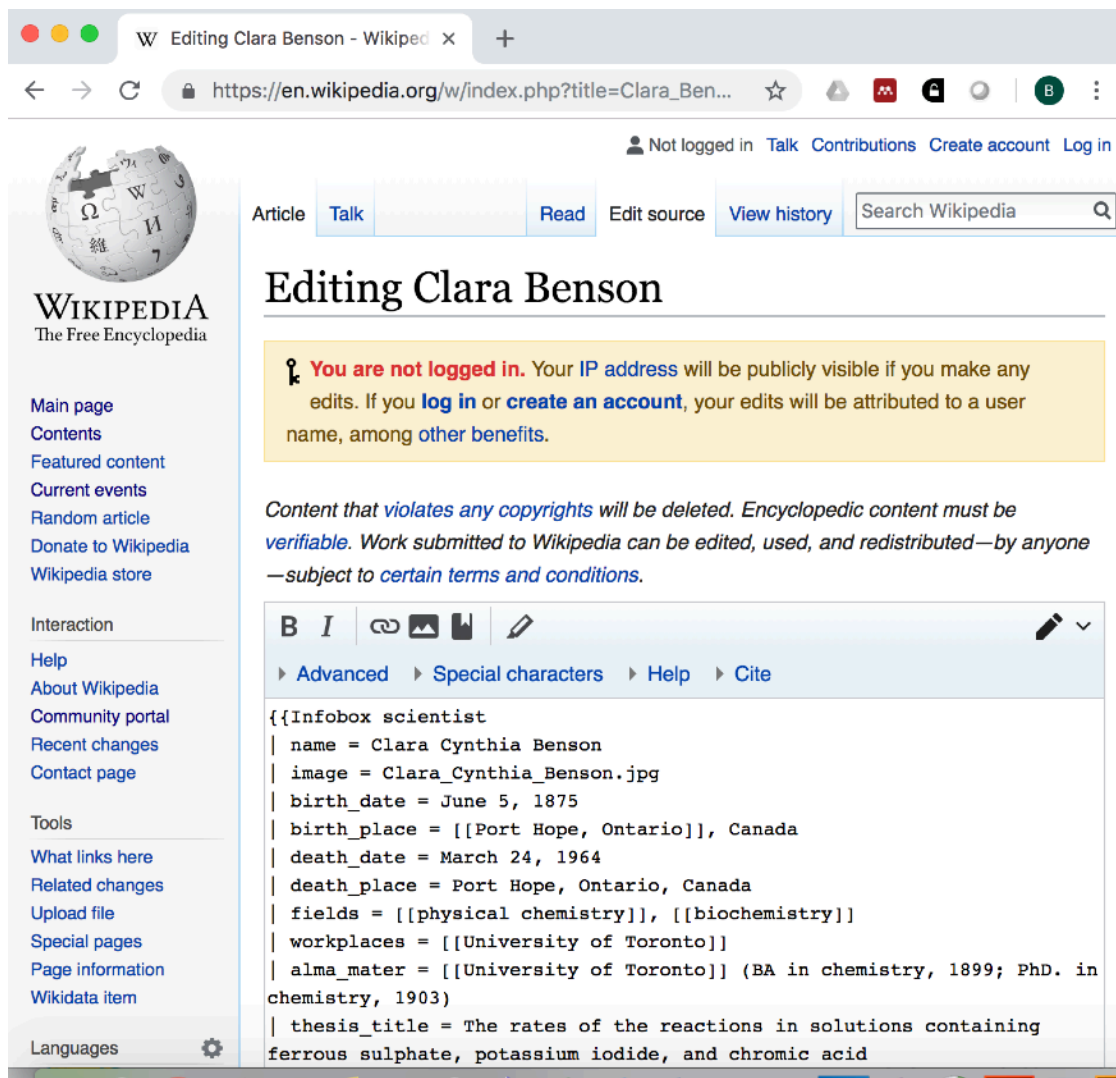
Clara Cynthia Benson (1875–1964) was a Canadian chemist, the sole female founder of the American Society for Biological Chemistry (now the [American Society for Biochemistry and Molecular Biology \(ASBMB\)](#)) and one of

Clara Cynthia Benson

Visual Editor vs. Source Editing

Source editing: see underlying Wikicode, which resembles HTML

Visual Editor: edit text just as it appears on a Wikipedia page



This screenshot shows the Wikipedia source editor interface. The browser tab is 'Editing Clara Benson - Wikipedia'. The URL is 'https://en.wikipedia.org/w/index.php?title=Clara_Ben...'. The page title is 'Editing Clara Benson'. A yellow warning box states: 'You are not logged in. Your IP address will be publicly visible if you make any edits. If you log in or create an account, your edits will be attributed to a user name, among other benefits.' Below this, a notice says: 'Content that violates any copyrights will be deleted. Encyclopedic content must be verifiable. Work submitted to Wikipedia can be edited, used, and redistributed—by anyone—subject to certain terms and conditions.' The main editing area shows Wikicode for an infobox scientist. The code includes fields for name, image, birth_date, birth_place, death_date, death_place, fields, workplaces, alma_mater, and thesis_title. The left sidebar contains navigation links: Main page, Contents, Featured content, Current events, Random article, Donate to Wikipedia, Wikipedia store, Interaction, Help, About Wikipedia, Community portal, Recent changes, Contact page, Tools, What links here, Related changes, Upload file, Special pages, Page information, Wikidata item, and Languages.

Wikipedia The Free Encyclopedia

Not logged in | Talk | Contributions | Create account | Log in

Article | Talk | Read | Edit source | View history | Search Wikipedia

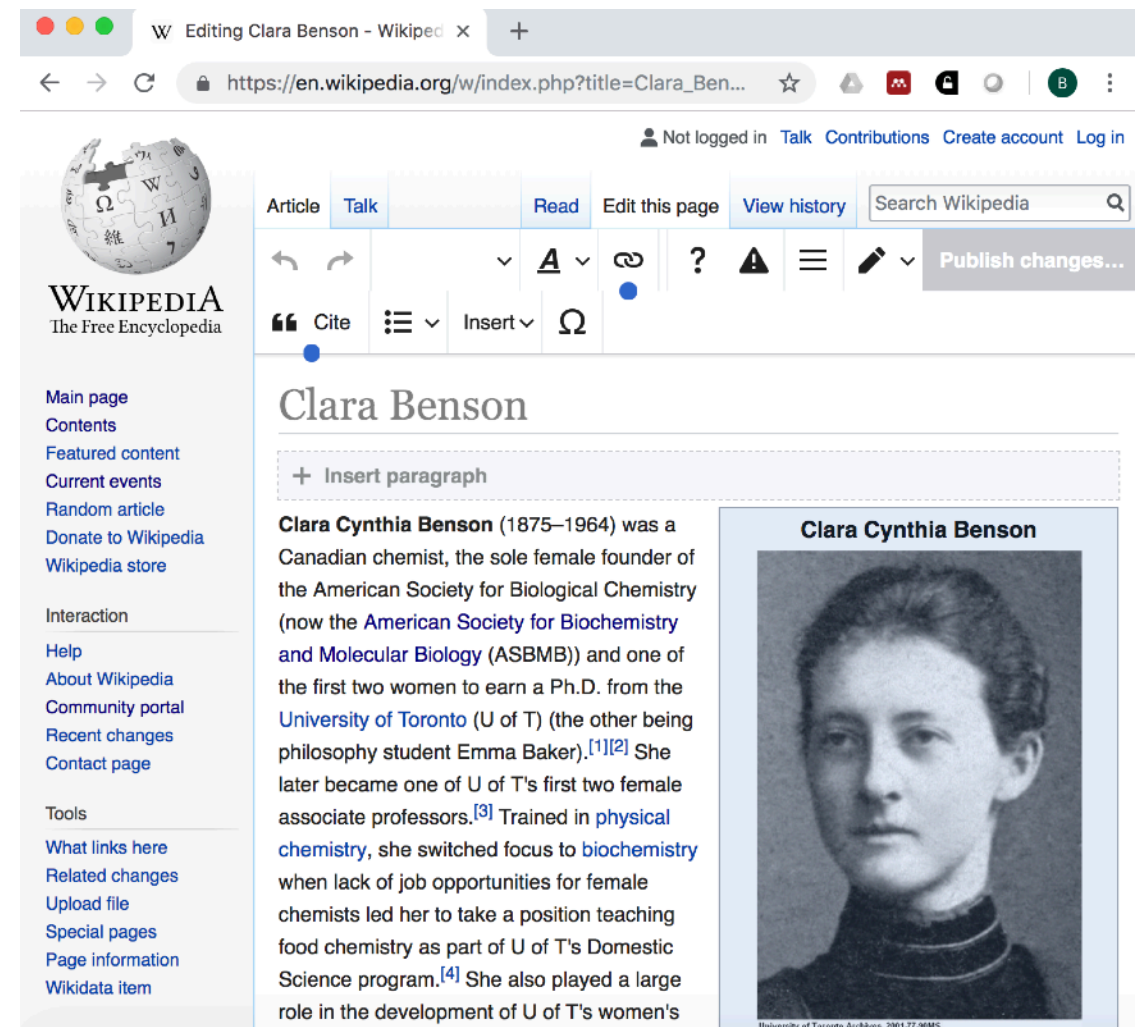
You are not logged in. Your IP address will be publicly visible if you make any edits. If you [log in](#) or [create an account](#), your edits will be attributed to a user name, among other benefits.

Content that violates any copyrights will be deleted. Encyclopedic content must be verifiable. Work submitted to Wikipedia can be edited, used, and redistributed—by anyone—subject to certain terms and conditions.

B I |

Advanced | Special characters | Help | Cite

```
{{Infobox scientist
| name = Clara Cynthia Benson
| image = Clara_Cynthia_Benson.jpg
| birth_date = June 5, 1875
| birth_place = [[Port Hope, Ontario]], Canada
| death_date = March 24, 1964
| death_place = Port Hope, Ontario, Canada
| fields = [[physical chemistry]], [[biochemistry]]
| workplaces = [[University of Toronto]]
| alma_mater = [[University of Toronto]] (BA in chemistry, 1899; PhD. in chemistry, 1903)
| thesis_title = The rates of the reactions in solutions containing ferrous sulphate, potassium iodide, and chromic acid
```



This screenshot shows the Wikipedia visual editor interface. The browser tab is 'Editing Clara Benson - Wikipedia'. The URL is 'https://en.wikipedia.org/w/index.php?title=Clara_Ben...'. The page title is 'Clara Benson'. A yellow warning box states: 'You are not logged in. Your IP address will be publicly visible if you make any edits. If you log in or create an account, your edits will be attributed to a user name, among other benefits.' Below this, a notice says: 'Content that violates any copyrights will be deleted. Encyclopedic content must be verifiable. Work submitted to Wikipedia can be edited, used, and redistributed—by anyone—subject to certain terms and conditions.' The main editing area shows the text of the article. The left sidebar contains navigation links: Main page, Contents, Featured content, Current events, Random article, Donate to Wikipedia, Wikipedia store, Interaction, Help, About Wikipedia, Community portal, Recent changes, Contact page, Tools, What links here, Related changes, Upload file, Special pages, Page information, Wikidata item, and Languages.

Wikipedia The Free Encyclopedia

Not logged in | Talk | Contributions | Create account | Log in

Article | Talk | Read | Edit this page | View history | Search Wikipedia

Cite | | **Insert** | | | | | | Publish changes...

Clara Benson

+ Insert paragraph

Clara Cynthia Benson (1875–1964) was a Canadian chemist, the sole female founder of the American Society for Biological Chemistry (now the American Society for Biochemistry and Molecular Biology (ASBMB)) and one of the first two women to earn a Ph.D. from the University of Toronto (U of T) (the other being philosophy student Emma Baker).^{[1][2]} She later became one of U of T's first two female associate professors.^[3] Trained in physical chemistry, she switched focus to biochemistry when lack of job opportunities for female chemists led her to take a position teaching food chemistry as part of U of T's Domestic Science program.^[4] She also played a large role in the development of U of T's women's

Clara Cynthia Benson

University of Toronto Archives, 2001.27.36MS

Example

- provide a summary
- can review before saving changes
- click the “minor change box” for small changes (like typos) - this will make a m show up next to the edit in the history

The screenshot illustrates the Wikipedia editing process for the article "Clara Benson". It shows the edit summary, the "minor edit" checkbox, and the resulting revision history.

Edit summary: /* Career and research */ added link

☒ This is a **minor edit** ☒ Watch this page

By publishing changes, you agree to the [Terms of Use](#), and you irrevocably agree to release your contribution under the [CC BY-SA 3.0 License](#) and the [GFDL](#). You agree that a hyperlink or URL is sufficient attribution under the Creative Commons license.

Revision history:

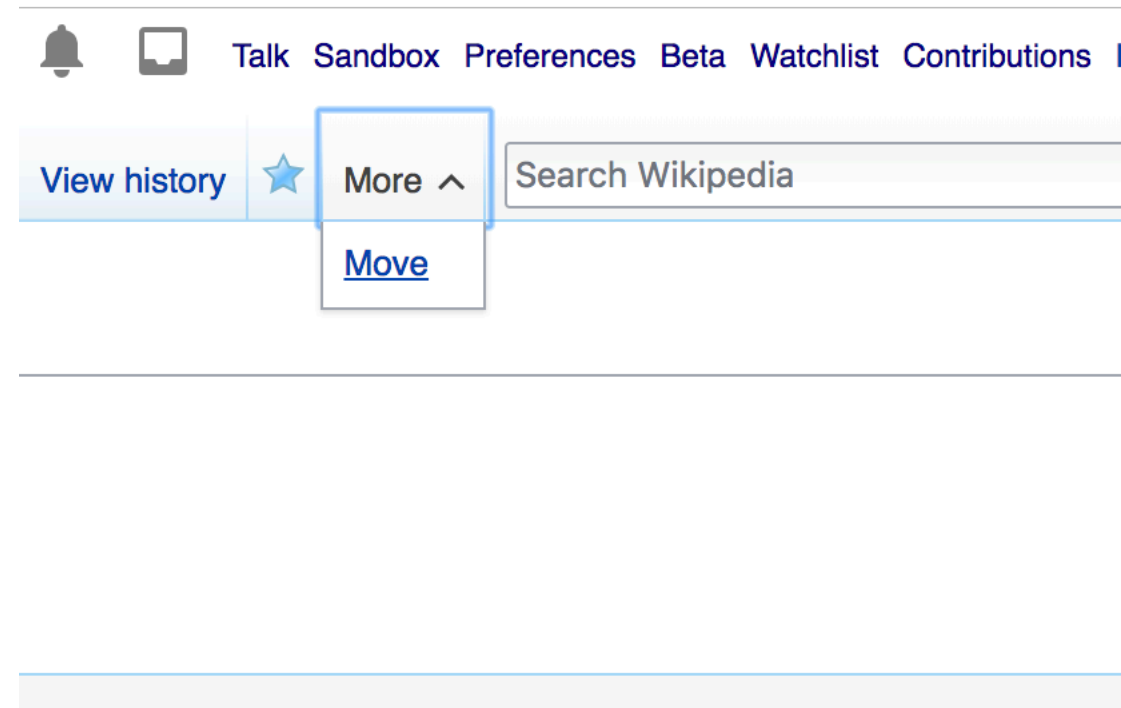
Revision	Date and Time	Editor	Size	Change
(cur prev)	17:51, October 25, 2018	Biochemlife (talk contribs)	m (15,197 bytes) (+4)	(→Career and research: added link) (undo) (Tag: Visual edit)
(cur prev)	04:39, October 14, 2018	T0mpra1c3 (talk contribs)	m (15,193 bytes) (-51)	(categories) (undo thank)
(cur prev)	21:51, September 12, 2018	Ser Amantio di Nicolao (talk contribs)	m (15,244 bytes) (+24)	(add authority control, test) (undo thank) (Tag: AWB)
(cur prev)	06:40, September 9, 2018	Biochemlife (talk contribs)	m (15,220 bytes) (+51)	(→Other interests and later life: added that Maud Menten was also taught by Macallum) (undo) (Tag: 2017 wikitext editor)

Common wiki text

- `'''bold'''` = **bold**
- `[[bold]]` = [bold](#)
- `[[boldness|bold]]` = [bold](#) (but links to [Boldness](#))
- can get a specific user's attention by "pinging" them
 - writing `{{ping|Username}}` on a talk page will send them a notification
 - unless you ping them, they'll only know if you address them on *their* talk page
- cheat sheet: <https://en.wikipedia.org/wiki/Help:Cheatsheet>

Creating a new page

- to create your first page, you can use the Article Wizard
- when you're done you can submit it for review
- if your account is more than 4 days old & you've done 10 edits, you can automatically move a page from your sandbox



Other useful things

- redirects
 - automatically send people to a page if they search for something similar (e.g. name including middle initial; maiden name; alternative spellings)
 - particularly important for female scientists who may have taken on their husband's name!
 - make a new page and write `#REDIRECT`
`[[Target]]`
 - <https://en.wikipedia.org/wiki/Help:Redirect>