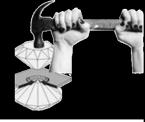


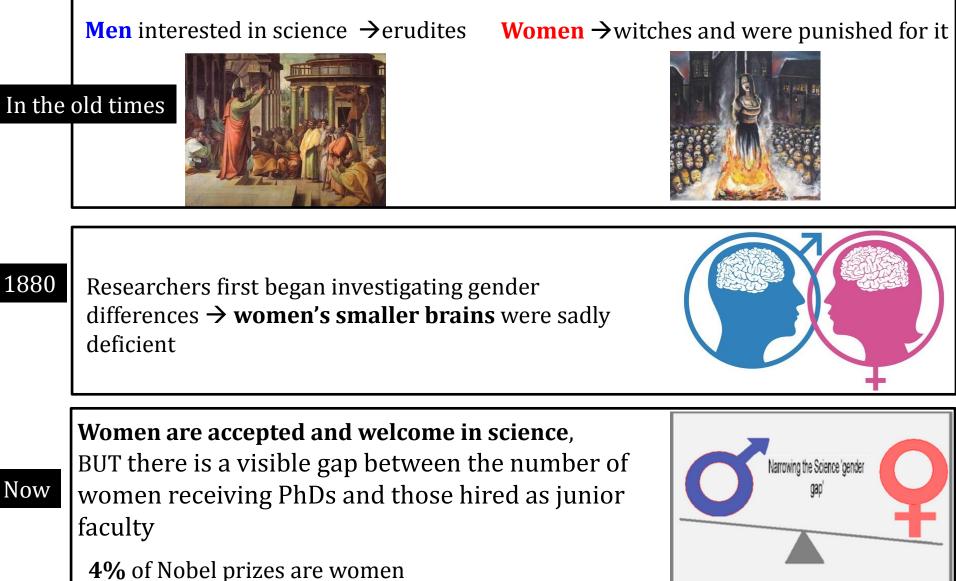
Outline

- Motivation
- Some figures
- Why??
- Numbers in HP
- Lets go active: WHP
- From WHP to survey
- Women speak out loud
- Word on the floor



Motivation



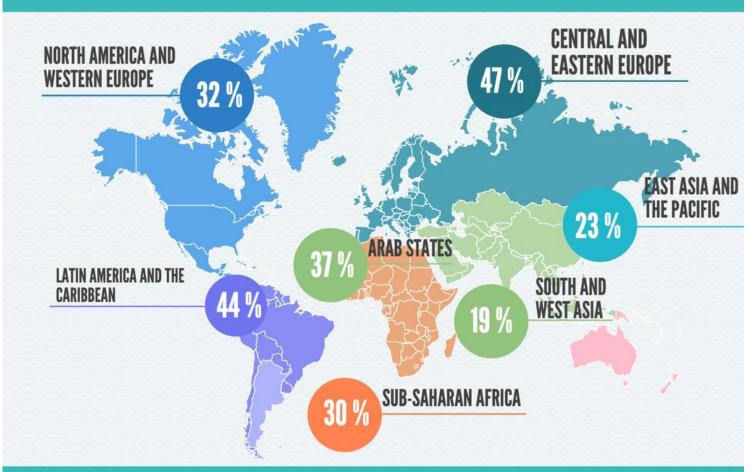




Motivation

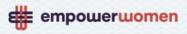


WOMEN RESEARCHERS BY REGION



Women remain under-represented in R&D in every region of the world.

SOURCE: UNESCO INSTITUTE FOR STATISTICS



Just 28% of the world's researchers are women *Still a long way to go*





Some experimental evidence suggests that even though evaluators report liking women more than men, they judge women as less competent than men even when they have identical backgrounds!

This was so independently of the gender of the examinator!!

Moss – Racusin, PNAS. (2012)1211286107





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Moss – Racusin, PNAS. (2012)1211286107

Raise awareness!!



These Are (at least) 7 Things Keeping Women Out Of Science Careers

1. Teasing in school

Even at the high school level, teachers and classmates sometimes stereotype girls who are interested in advanced physics and math.

2. A Lack of Encouragement

Studies have shown when told that men score better in math tests than women, women tend to score worse. When told that isn't true, the two genders scored equally well.

3. Stereotypes

Females playing STEM-literate characters are gaining more popularity in the movies, but still underrepresented



These Are (at least) 7 Things Keeping Women Out Of Science Careers

4. Childcare

Even if young women make it through a bachelor's and enter academia, they often leave the STEM fields early in their career.

A study by Berkeley researchers found that 41% of women postdocs who had babies retreated from their original goal of being a research professor, versus 20% of single women.

5. Competition

Women are generally less competitive and aggressive than men...in occidental countries

Women were found to be even more competitive than men in matriarchal societies, so it is up to education!



These Are (at least) 7 Things Keeping Women Out Of Science Careers

6. Marginalization

Even if women do find themselves a faculty position, they are frequently paid less than their male counterparts, given less lab and office space, get fewer awards for their work, and given access to fewer resources.

7. Bias

When presented with identical lab manager resumes from either a John or a Jennifer both male and female professors tended to pick the John as the better candidate, and offer him more money for the position.



Hope ahead

It's not all bad news; more women are making it to college and graduate levels of STEM.

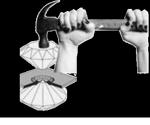
If you look at the students scoring in the top one in 10,000 in mathematics in 1983, there were 13 boys for every girl Since then, until 2007, that gap has shrunk to somewhere between 2.8 and four boys for every girl.

Outline

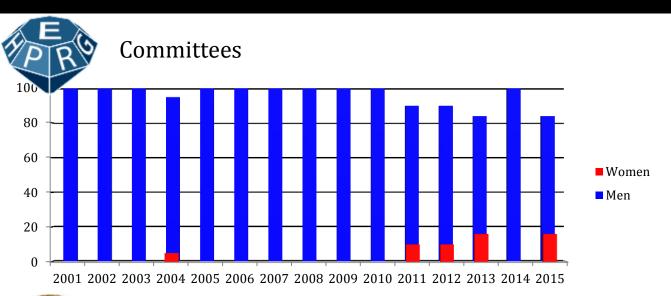
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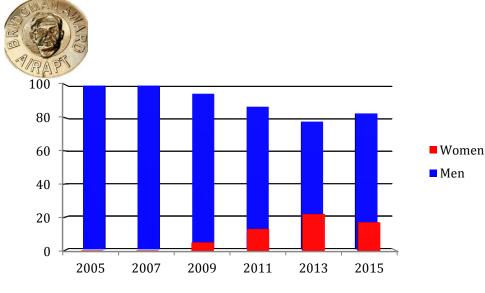
- Motivation
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Coscience exam: How are we doing??



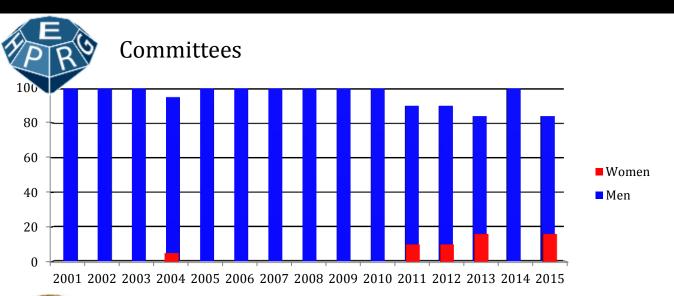
High pressure field

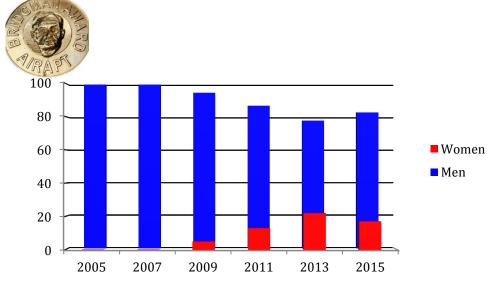




Along the years: 5 % of femenine participation in committes 18 % of EHPRG award winners are women

High pressure field





Along the years: 5 % of femenine participation in committes 18 % of EHPRG award winners are women

Numbers are getting better though!!!

Outline

- Motivation
- Some figures
- Why??
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- Lets go active: WHP
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- Women who made it
- Word on the floor

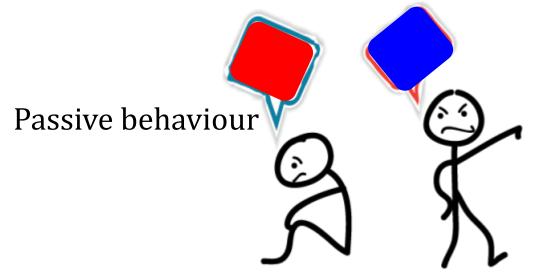
Outline

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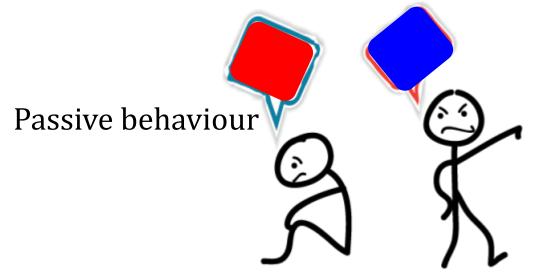
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And the Power Hour!

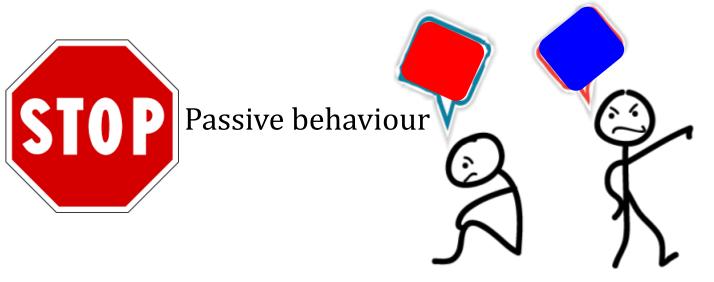




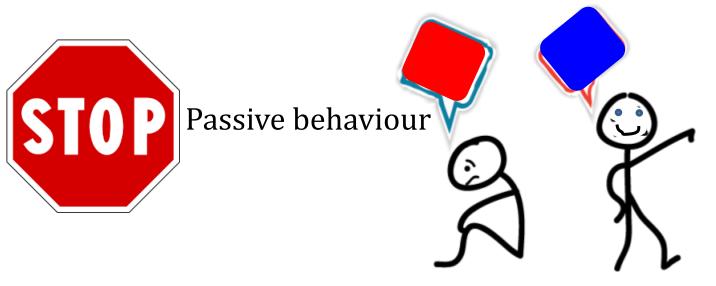


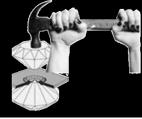












55 members in less than a year

Women under High Pressure

Diamonds are our best friends

HP Meetings	EHPRG	AIRAPT	News

Who are we?

We are not many. But we are growing in number! And this <u>directory</u> is a testimony. A testimony of **female scientists working in (and under!) pressure** and all related fields: physics, chemistry, biology, geology, food science, technology...

Please help to keep this <u>directory</u> complete and up to-date.

We are grateful to all the suggestions we received from the community. More names will be added soon - stay tuned!

What for?

Are you a conference organizer? Part of a committee?

You are aware that there should be a fair gender representation in your High Pressure organization/event but cannot think of women in the field? We are indeed a minority, but there are much more of us than you think. We hope that this list will help you find someone who fits the scope of your organization.

Invite women to your meeting. Elect them for committees. Not only will you hear about some great science, but you will also be fighting agains discriminations and providing a great example of women in science and references to many women graduate students and postdocs in attendance.

How to be included

Just send an email to whp@lct.jussieu.fr with the information needed for the entry (see some examples here) and (optionally) a picture!



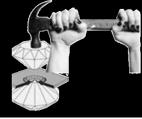


Women under High Pressure

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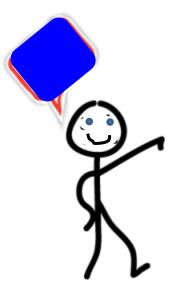
<u>Women under High Pressure</u>

What for?

A direct reminder to conference organizers and committees

We hope that this list will help find someone who fits the scope of a high pressure event/organization.

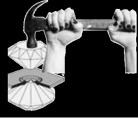


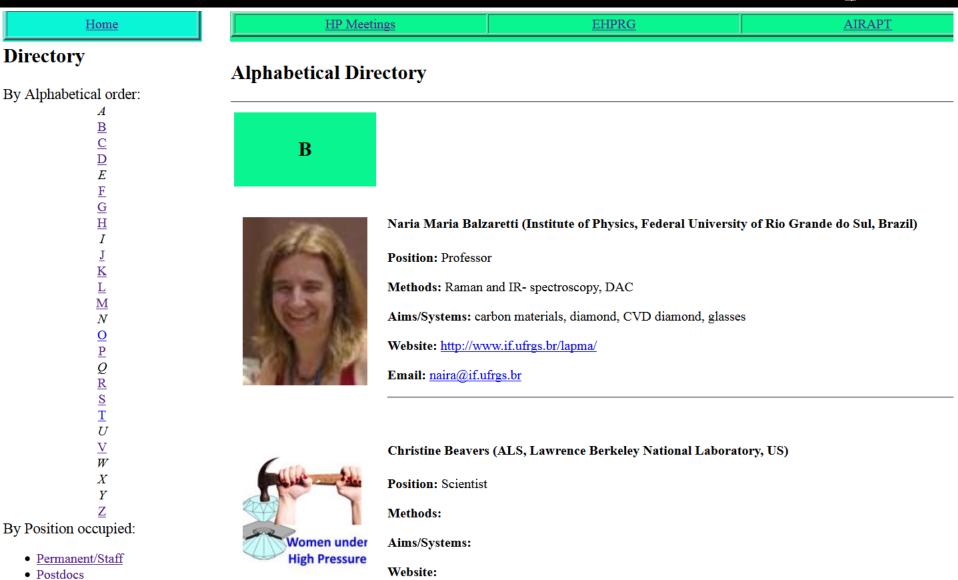


<u>Women under High Pressure</u>

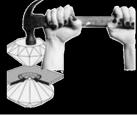
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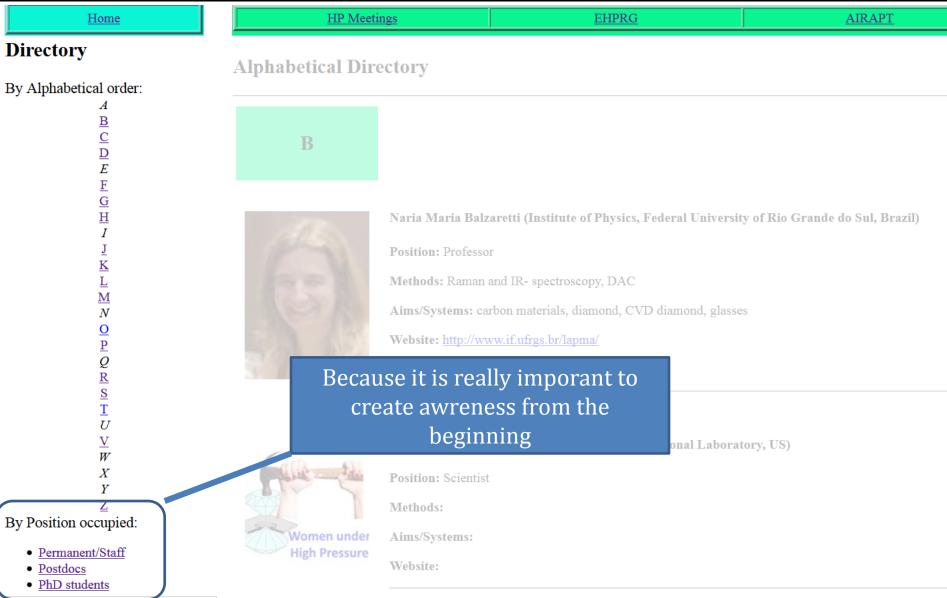
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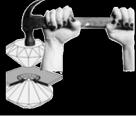


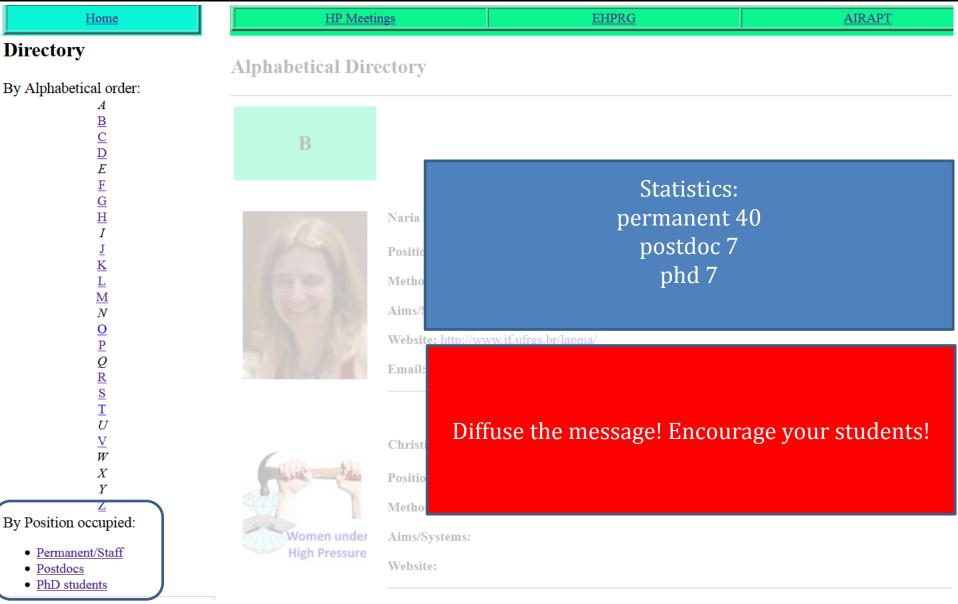
• PhD students





Gener under high pressure







G Survey Women under high pressure

Surveys:

Question groups:

Women in Science

Please choose.

Songades LCT

Security Update ! a security update is available. Click here to use ComfortUpdate.

\dministration -- Logged in as: Julia 🦉

Survey Women in Science(ID:947176)

M• 🗘 0. X. 8. G. b. 🌮

Title: Women in Science (ID 947176)

Survey URL - English: http://sondage.lct.jussieu.fr/index.php/947176?lang=en

Description:

Welcome:

End message:

Administrator: Julia Contreras (contrera@lct.jussieu.fr)

Start date/time:-

Expiry date/time: 30.06.2016 00:00

Template: default

Base language: English

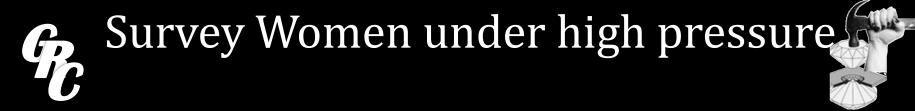
Additional languages: -

End URL: -

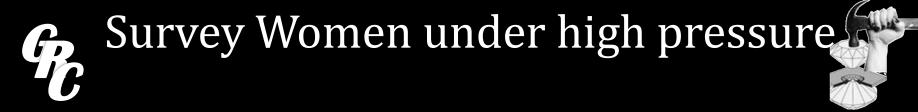
Number of questions/groups: 12/3

Survey currently active: Yes

Survey table name: survey_947176



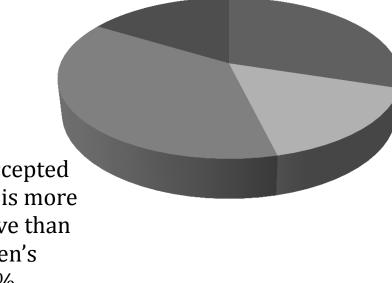
- 1. Do you feel you have ever been treated professionally different because of your gender ?(yes/no)
- 2. If yes, in which sense?
- 3. What are the biggest challenges women face in science?
- 4. What is the biggest bottleneck for careers of women in science?
- 5. Women arriving to latter stages in the research career are in a noticeably smaller ratio with respect to those who start it than their male peers, what do you think are the main reasons
- 6. How would you encourage female undergraduates in the audience to continue their path in becoming a scientist?



- 7. How many female PhD students do you know?
- 8. How many senior female are in your workplace?
- 9. Is there a balance between the number of female PhD students and the senior females in your working area? If yes, why?
- 10. How important you find/ever found presence of other more senior female scientists in your workplace?



47% feel treated professionally different because of their gender





Men's accepted behavior is more aggressive than women's 38%

C Survey Women under high pressure

47% feel treated professionally different because of their gender

tried to reach certain positions and men less qualified than me_ stepped over me 16%



Men's accepted behavior is more aggressive than women's 38% Ideas of men at the same rank _are taken more seriusly than women's. 30%

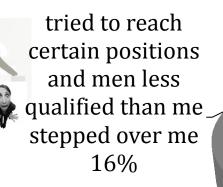


Time constraints different than men's and I do not receive facilities 16%



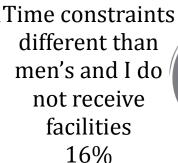
G Survey Women under high pressure

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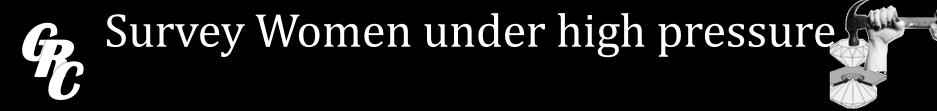


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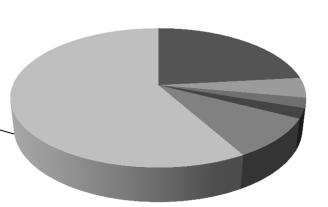
- sexist remarks
- I have been told I have advantages over men due to affirmative action
- Do not receive the same opportunities
- my achievement is qualified as "luck" instead of "work"



What is the biggest bottleneck for careers of women in science?



Continuing with a____ personal life and staring a family 58%



G Survey Women under high pressure

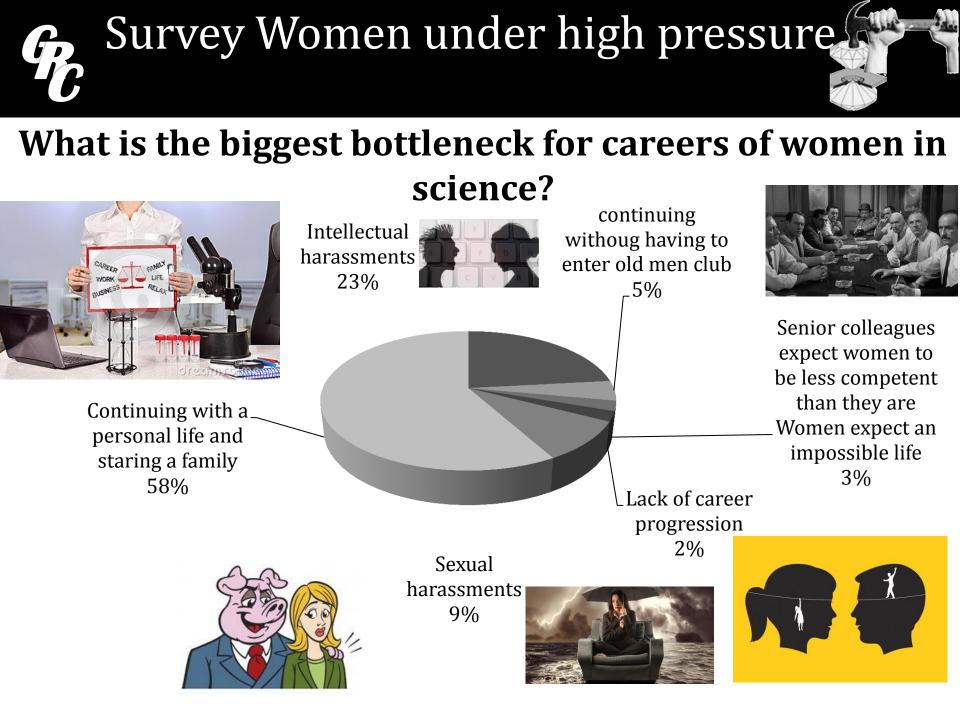
What is the biggest bottleneck for careers of women in science?

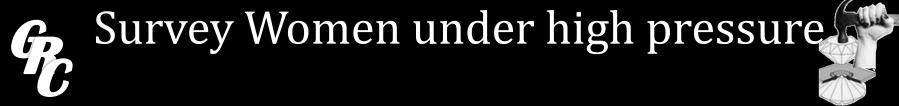


Intellectual harassments 23%

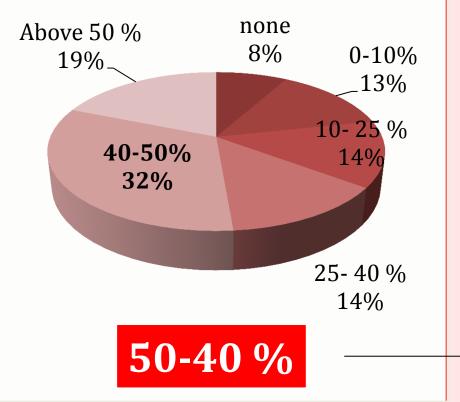


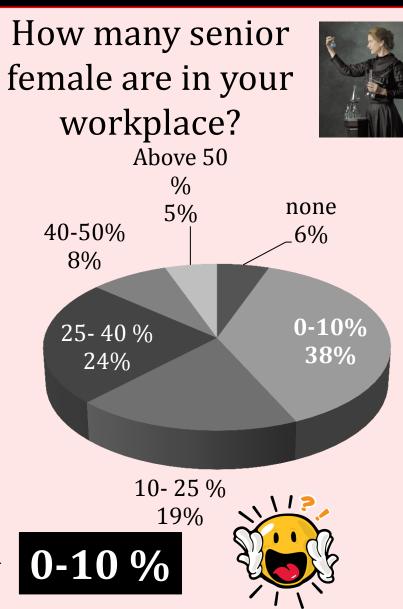
Continuing with a___ personal life and staring a family 58%





How many female PhD students are in your workplace-









(at least what I have learnt) *Things are indeed getting better, but numbers are still NOT representative (so having more grads still does not mean we will have more Professors in 20 years time)

WHY?

* We are ALL biased (women, progressist, children, scientists!)

* It takes double thought to fight against unconcious discrimination/biases





ligh Press

ACTIVE AND POSITIVE FIGHT

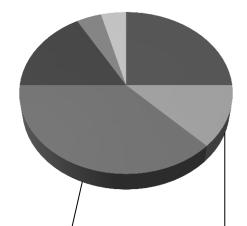
G Women under high pressure

http://www.lct.jussieu.fr/pagesperso/contrera/index-hp.html



G Survey Women under high pressure

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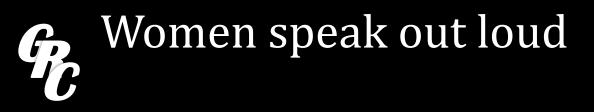


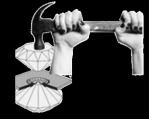


Role Models: the more J who make it, the more likely we can affect change Follow your passion and let's pave the way for future 38% good mentoring 12%

Find a good mentor who can both support you and help you evaluate yourself fairly







Jennifer Jackson: Caltech

<u>Sakura Pascarelli :</u> European Synchrotron Radiation Facility

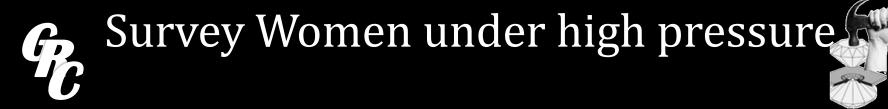
Margherita Citroni: Assistant Professor @ LENS

Barbara Lavina: University of Nevada Las Vegas

<u>Renata Wentzcovitch</u>: University of Minnesota



Discussion



Further points suggested to be addressed



Two problems out there: discrimination by gender...but also due to femminity



It is not clear to me **how to manage positive discrimination**, because sometimes this fact is used to depreciate women position compared to men