Unconscious bias in hiring and promotion processes

16th December 2022







Topics of the day

- 1. CFM: a diverse workforce?
- 2. The importance of understanding unconscious vias
- 3. Gender-aware hiring processes



01

CFM: A DIVERSE WORKFORCE?



CFM A DIVERSE WORKFORCE?

Look around you...

What do you see?

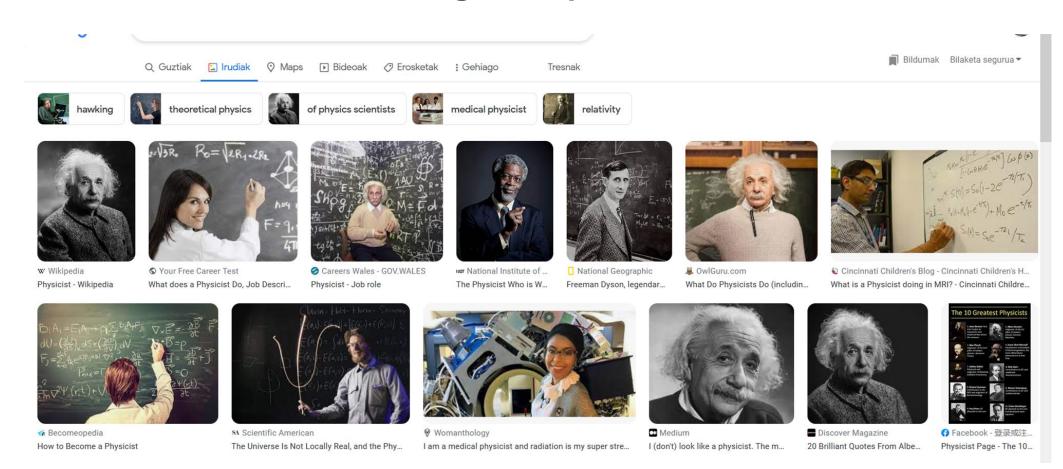
How do you imagine a phisicist?

Do you feel anyone is missing today?



CFM a diverse workforce?

When we searched in Google, for phisicist



CFM a diverse workforce?

Tolegio Santiago Apóstol

La importancia de estudiar física en la escuela secundaria - C...

When we searched in Google,





Qué estudia la Física, para qué sirve y qué hace un físico? | res...



que es la ciencia



secundaria

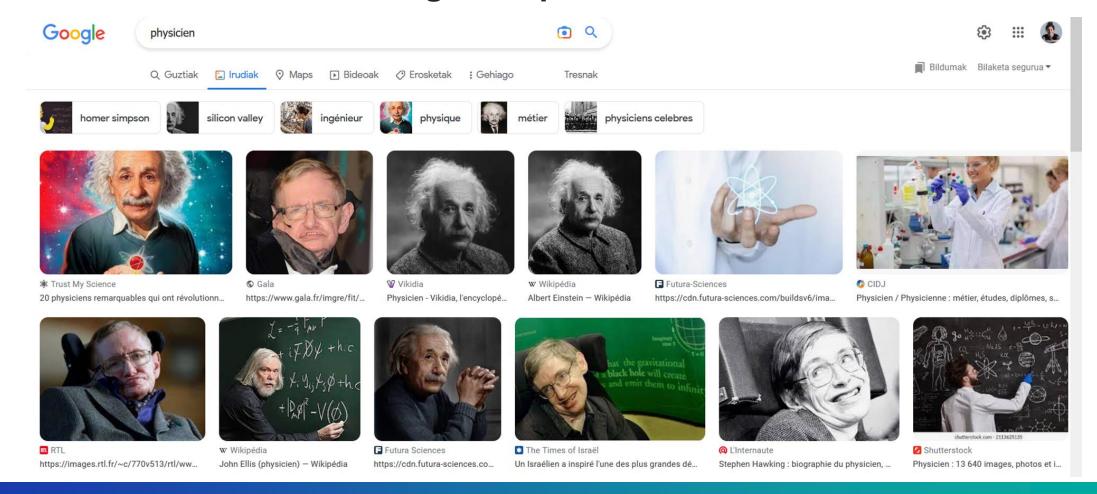
w Wikipedia

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importancia de

CFM a diverse workforce?

When we searched in Google, for phisicist





fisikaria









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garcia fidalgo



atariko proba



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W Wikipedia Brian Cox (fisikaria) - Wi...



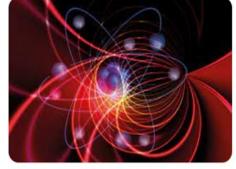
W Wikipedia Friedrich Kohlrausch (fis...



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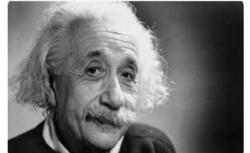


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Albert Einstein fisikaria hil zen AEBetan



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Maia Garcia-Vergniory fisikaria APS Fell...



Materia, bere buruaz galdezka | Gizarte...



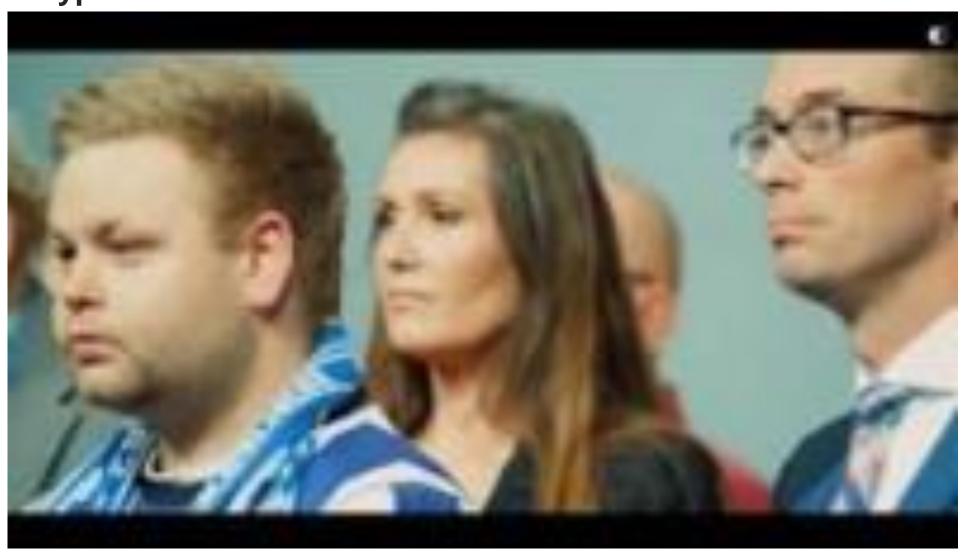
CFM: A DIVERSE WORKFORCE?

- There is no static single description
- How could the results in Basque be so different?
- We have the option to change the general "image" of what a physicist looks like.
- And get it closer to what it actually is (more diverse) if we don't want to leave any talent behind (not selfidentified as "physicist")



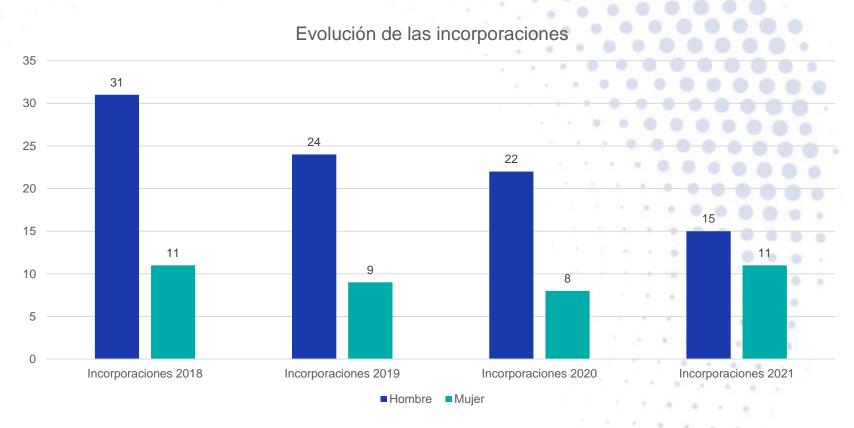
Stereotypes

https://youtu.be/fXBXOaLcMZg





CFM: A DIVERSE WORKFORCE?



Source: Informe sobre los procesos de contratación del CFM (2022)



CFM: A DIVERSE WORKFORCE?

	Hombre		Mujer		Total	
	Cantidad	%	Cantidad	%	Cantidad	%
Visitantes 2018	33	70,21%	14	29,79%	47	100,00%
Visitantes 2019	27	65,85%	14	34,15%	41	100,00%
Visitantes2020	11	64,71%	6	35,29%	17	100,00%
Visitantes 2021	14	70,00%	6	30,00%	20	100,00%

Source: Informe sobre los procesos de contratación del CFM (2022)



PhD fair

_								
1)	Hombre		Mujer		Total			
	Cantidad	%	Cantidad	%	Cantidad	%		
Incorporaciones 2018	4	50%	4	50%	8	100%		
Incorporaciones 2019	5	100%	0	0%	5	100%		
Incorporaciones 2020	3	60%	2	40%	9 9 9 5	100%		
Incorporaciones 2021	3	50%	3	50%	6	100%		
Incorporaciones 2022	2	50%	2	50%	• • • • 4	100%		
Total	17	60,71%	11	39,29%	28	100,00%		

Source: Informe sobre los procesos de contratación del CFM (2022)

02What is unconcious vias?

The bias in all of us



WHAT IS UNCONCIOUS VIAS?

Unconciouss bias and hiring-pools

- Making decisions about candidates is hard work and depends on being able to judge them ENTIRELY ON THEIR MERITS.
- Predisposition to prefer the sort of people by whom we are surrounded and learn from them.
 - We are often unaware that we redefine merit to justify discrimination.
- We are heavily influenced in ways that are completely hidden from our conscious and our mind in how we evaluate both others and ourselves.

https://pubmed.ncbi.nlm.nih.gov/22902284/

http://www.ncbi.nlm.nih.gov/pubmed/15943674?dopt=Abstract&holding=npg

http://dsclab.uchicago.edu/documents/Kinzler%20Spelke%202011,%20Cognition.pdf

http://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/495033a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/49503a.html?WT.mc_id=TWT_NatureNewshttp://www.nature.com/nature/journal/v495/n7439/full/49503a.html?WT.mc_id=TWT_NatureNewshttp://www.natureNewshttp:

<u>a.html?WT.mc_id=TWT_NatureNews</u>

http://www.goodreads.com/book/show/11468377-thinking-fast-and-slow

WHAT IS UNCONCIOUS VIAS?

Unconciouss bias and hiring-pools

- There are such strong cultural stereotypes that they feel truthful, when research has shown over and over again that they are not.
- In a way, we unconsciously discriminate in favour of things that feel "natural" and "right" as opposed to those that are less familiar, but might actually be correct.





https://www.aeaweb.org/articles?id=10.1257%2Faer.90.4.715&source=post_page-----deda93da109b-------

http://www.sciencedirect.com/science/article/pii/0022103174900596

http://www.ncbi.nlm.nih.gov/pubmed/12088246?dopt=Abstract&holding=npg

http://news.sciencemag.org/math/2014/03/both-genders-think-women-are-bad-basic-math

http://www.pnas.org/content/111/12/4403.abstract





WHAT IS UNCONCIOUS VIAS?

What can we do to avoid unconciouss bias?

- ✓ When preparing for a committee meeting or interview try to slow down the speed of your decision making.
- ✓ Reconsider the reasons for your decision, recognizing that they may be post-hoc justifications.
- Question cultural stereotypes that seem truthful. Be open to seeing what is new and unfamiliar and increase your knowledge of other groups.
- Remember you are unlikely to be more fair and less prejudiced than the average person.
- ✓ You can detect unconscious bias more easily in others than in yourself so be prepared to call out bias when you see it.

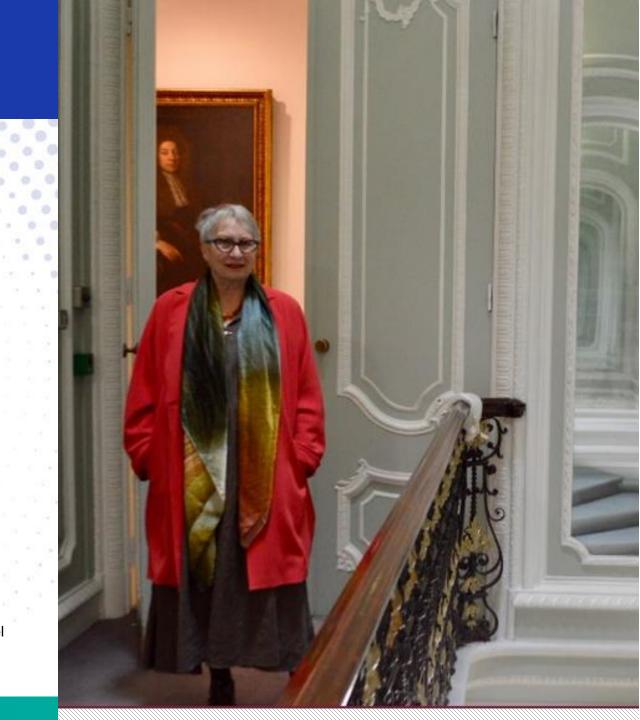
'By recognizing our bias, our conscious processes can counteract it. But we need to slow down and reflect when making decisions to enable us to do this.'

Professor Uta Frith

Unconscious bias can be most promising route to breaking barriers to equality.

Skov, T. Unconscious Gender Bias in Academia: Scarcity of Empirical Evidence. Societies 2020, 10, 31. https://doi.org/10.3390/soc10020031

Amodio, D. M., & Swencionis, J. K. (2018). Proactive control of implicit bias: A theoretical model and implications for behavior change. Journal of Personality and Social Psychology, 115(2), 255–275. https://doi.org/10.1037/pspi0000128



03

How are we going to deal with this?

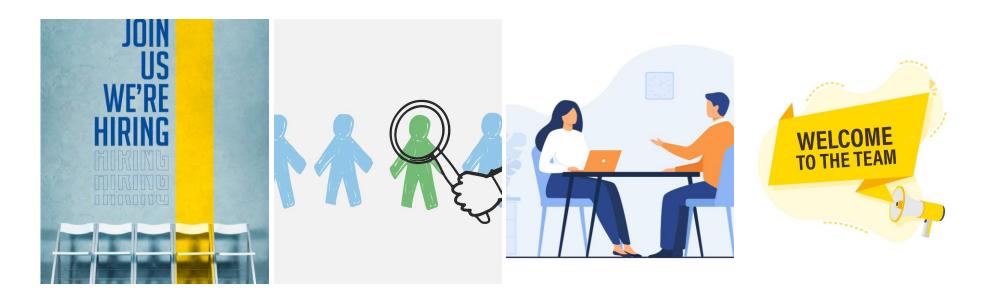
GENDER AWARE HIRIGN PROCESSES



Need to check our pipelines regularly, as they might be leaking!

And that would mean we are loosing talent.





Reception of candidatures or CVs

Screening the Applicants

Conducting interviews

Welcoming the new members

https://youtu.be/g978T58gELo



Reception of candidatures

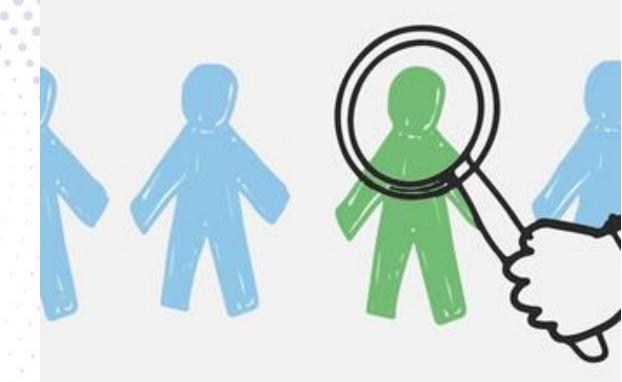
Aim: increasing the number of female candidates.

- ✓ Weave a network of contacts (Emakumeak Zientzian...)
- ✓ Communicating commitment to equality
- ✓ Inclusive use of language and images
- ✓ **Design realistic job offers.** Differentiate between requirements and evaluable aspects (women apply when they are sure they meet more than 90% of requirements vs. men apply with 70%)



Screening the applicants

- ✓ Assess skills and informal skills
- ✓ The use of informal information might affect negatively to female candidates.
- ✓ Be aware that reference letters of women and men tend to be written differently.
- ✓ Make sure female candidates are also interviewed.



Conducting interviews

- ✓ Awareness raising for interviewers
- ✓ Research shows that gender bias is kept alive by people who think it's dead
- ✓ Try to have a pool of interviewers, with men and women among them.
- ✓ No personal information should be asked.



Welcoming new members

- ✓ Explain commitment to equality
- ✓ Include gender equality training and harassment protocol in the Welcoming Policy.



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