

We hereby invite you to participate in the research of the doctoral thesis on the perceptions of experimental sciences among university students from a gender perspective, carried out by Míriam Comet Donoso at University of Barcelona.

By answering the questionnaire, you agree that:

- Your participation is completely voluntary, and you have the right to withdraw at any time.
- Your participation is beneficial and is necessary for the collection of quantitative data.
- The privacy and anonymity of your data are guaranteed.
- The data will only be accessible to the research team.
- The results will be available to participants upon request.

For any questions, you can contact doctoral student Míriam Comet Donoso through miriamcomet@ub.edu.

Finally, we appreciate your participation since this research would not be possible without your collaboration. Thank you!

Question 1: Below, you will find a series of opinions about the subject in science. Rate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree).

I consider that to professionally engage in science:

- It is necessary to be a rational person.
- It is necessary to have a high capacity for abstraction.
- It is necessary to have certain innate abilities (you are born with them or not).

Question 2: Below, you will find a series of opinions. Rate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree).

Men:

- Have an easier time doing science.
- Have a greater capacity to develop a scientific activity.
- Possess more rationality to do science.
- Have contributed the most throughout the history of science.
- Have contributed more to scientific knowledge.

Question 3: Below you will find a series of opinions about scientific talent. Rate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree).

I consider that scientific talent:

- Is a necessary requirement to investigate.
- Can be learned.
- Has a social component.
- Is like a gift: you're born with it or not.
- Is inherited from one generation to another.
- Is a predominantly masculine trait.
- Has always been possessed by people sharing one same profile (white men).
- Ensures an ability for structured thinking.

- Makes it easy to work with numbers/making calculations.

Question 4: Below, you will find a series of knowledge areas. Evaluate whether you believe there are MORE men than women in the following disciplines currently (YES, NO, NS/NC):

- Biosciences and Biotechnology
- Biomedicine
- Agricultural and Agri-food Sciences
- Education Sciences
- Physical Sciences
- Environmental Sciences and Technologies
- Materials Sciences and Technologies
- Chemical Sciences and Technologies
- Mathematical Sciences
- Social Sciences
- Law
- Economics
- Energy and Transportation
- Philology, Literature, and Art
- History and Archaeology
- Mind, Language, and Thought
- Industrial Production, Civil Engineering, or Engineering for Society
- Psychology
- Information and Communication Technologies

Question 5: Below, you will find a series of knowledge areas. Evaluate the level of scientific talent you believe is needed for each of them (VERY, QUITE, REGULAR, LITTLE, NONE).

- Biosciences and Biotechnology
- Biomedicine
- Agricultural and Agri-food Sciences
- Education Sciences
- Physical Sciences
- Environmental Sciences and Technologies
- Materials Sciences and Technologies
- Chemical Sciences and Technologies
- Mathematical Sciences
- Social Sciences
- Law
- Economics
- Energy and Transportation
- Philology, Literature, and Art
- History and Archaeology
- Mind, Language, and Thought
- Industrial Production, Civil Engineering, or Engineering for Society
- Psychology
- Information and Communication Technologies

Question 6: Below, you will find a series of opinions about science. Evaluate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree).

I consider that science is an activity:

- where social values interfere with the research process
- where social values interfere with the results
- influenced by historical context
- that is objective
- that contributes more benefits than issues to society
- that generates employment opportunities
- that reduces differences between rich and poor countries
- that decreases social inequalities
- that perpetuates the patriarchal system
- that perpetuates the racist system

Question 7: Below, you will find a series of statements about hormones. Evaluate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree):

In my opinion:

- hormones determine our behavior totally
- cisgender men* only have testosterone, and cisgender women* only have estrogen
- higher testosterone levels lead to greater aggressiveness
- testosterone promotes a type of behavior that provides greater advantages for achieving professional success
- higher testosterone levels lead to more promiscuity
- hormones produce brain differences between cisgender women and men*
- hormones produce brain differences among intersex individuals*
- hormonal differences determine female and male abilities and interests
- women are more emotional due to their hormonal levels
- cisgender men* have hormonal cycles
- only individuals in the process of gender transition take hormones
- all individuals changing their gender take hormones

**Cisgender individuals are those who identify with the gender assigned to them at birth.*

**Intersex individuals are those who, at birth or at some other point in their lives, have biology different from what is socially understood as female or male. Often referred to as hermaphrodites.*

Question 8: Below, you will find a series of statements about the brain. Evaluate your opinion (YES/NO/NS, NC) and to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree):

In relation to the brain, I believe that:

- Approximately after adolescence, the brain stops forming.
- The brain is plastic, meaning it constantly changes based on external stimuli.

In relation to the brain, I believe there are differences in:

- size among intersex individuals*.
- size between men and women.
- The left or right hemisphere between men and women.
- The left or right hemisphere among the intersex population*.
- The brain structures used for learning between women and men.
- The brain structures used for language between women and men.
- The size, causing differences in behavior between men and women.

- The hemispheres between women and men, causing differences in predisposition to certain talents like music or mathematics.
- Certain parts of the brain that enable women to perform more than one task at a time.
- Certain parts of the brain that make men have better spatial memory (for example, reading maps) than women.

**We understand intersex individuals as those who, at birth or at some other point in their lives, have a biology different from what is socially understood as female or male. Often mistakenly called hermaphrodites.*

Question 9: Below, you will find a series of opinions. Evaluate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree):

For **biological** reasons:

- Masculinity tends more towards rationality.
- Masculinity tends more towards objectivity.
- Femininity tends more towards irrationality.
- Femininity has a closer relationship with nature.
- Men are more dominant.
- Women tend to be more understanding.
- Women select both relevant and irrelevant, detailed information.
- Men select only relevant information.
- Women are more oriented towards others' concerns.
- Men tend to focus more on themselves.
- Men are more mentally organized.
- Women are more empathetic.
- Women talk more.
- Men can run faster.
- Men are stronger.
- Under the same conditions and receiving the same care, boys are more likely to survive than girls.
- Boys have a higher risk of dying when born prematurely than girls.
- Fewer intersex children* are born than red-haired children are.
- The female immune system is stronger than the male one.
- Differences between women and men ensure complementarity: the strengths of one group are the weaknesses of the other.

**We understand intersex children as those who, at birth or at some other point in their lives, have a biology different from what is socially understood as female or male. Often mistakenly called hermaphrodites.*

Question 10: Below, you will find a series of statements. Evaluate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree):

In my opinion:

- Two people with a very different appearance probably have very different genetics.
- The more industrialized a population is, the more scientific knowledge it will have.
- The concept of "race" makes scientific sense.

Question 11: Below, you will find a series of statements. Evaluate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree):

Among the various populations worldwide, there are biological differences in:

- The brain
- The evolutionary process
- The intelligence quotient (IQ)
- General abilities
- Running speed
- High jump ability
- Behavior
- Survival capacity in the current context
- Dancing ability
- Common ancestry

Identification data

Question 1. How old are you?

Question 2. Where were you born?

Catalonia/Spain	Other

Question 3. You currently define yourself as a:

	Woman
	Man
	Nonbinary person
	None of the above options describe me, I define myself as:
	I prefer not to answer

Question 4. What sex were you assigned at birth (on your birth certificate or similar)?

	Female
	Male
	I prefer not to answer

Question 5: Indicate what socioeconomic class you currently identify with:

- upper class
- middle class
- lower class
- Working class
- I prefer not to answer

Question 6. What is the highest level of education that the people who raised you have completed?

	Primary studies	Secondary studies	Higher studies	I don't know
Person 1				
Person 2 (if any)				

Question 7. Did you study secondary school in a:

	Public educational center
	Private educational center
	Concerted educational center
	Religious center

Question 8. Select the degree you study:

	Social education
	Pedagogy
	Physics
	Electronic engineering

Question 9. Are you part of the LGTBIQ+ collective?

<input type="checkbox"/>	Yes
<input type="checkbox"/>	No
<input type="checkbox"/>	I prefer not to answer

Question 10: Do you consider yourself a racialized person? (YES / NO / NS, NC).

**We understand racialized individuals as those who consider themselves part of an ethnic group that receives oppressive or discriminatory treatment.*

Question 11: Below, you will find a series of statements. Evaluate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree):

I believe that LGTBIQ+ individuals:

- should have the right to access marriage.
- should have the right to adoption.
- are discriminated against in the Spanish State.

Question 12: Below, you will find a series of statements. Evaluate to which extent you agree/disagree with each of them (1 totally disagree, 8 totally agree):

- I consider myself an anti-racist person.
- I consider myself a feminist.

Question 13: Below, you will find a series of statements. Indicate whether you agree with each of them (YES / NO / NS, NC):

- I participate or have participated in the anti-racist movement.
- I participate or have participated in the feminist movement.
- I participate or have participated in the LGTBIQ+ movement.