

## **Mendelius: the genetics card game to help understanding of Mendel's Laws of Inheritance**

LOCATION: Granada

DURATION: 1'42"

**SUMMARY:** Mendelius is an educational card game which explains the genetic basis of inheritance. It was developed by Rafael Navajas, a researcher from the Genetics Department at the University of Granada, and is aimed at the public to teach them Mendel's Laws of Inheritance.

### **VTR:**

It's a pack of playing cards which helps understanding of Mendel's Laws of Inheritance, the basic rules on the passing of inheritance. It was the idea of a Ramón y Cajal Programme researcher from the University of Granada, who considers the universal spreading of this knowledge to be essential.

**Rafael Navajas**  
**Researcher at the University**  
**of Granada**

*"Forensic genetics and paternity tests, an assassin has been uncovered or they have caught the murderer in a case, all because they did DNA tests. All those hot topics, we wanted to ensure that people to know, that our students know the basis of all of this."*

This game of 40 playing cards is called Mendelius. It's geared towards young people aged 15 years and up, and it draws upon the rules of other card games like Continental, but in its own way.

**Rafael Navajas**  
**Researcher at the University**  
**of Granada**

*"In each round of Mendelius, you have to make certain card formations, but in this case they are pairings between different families. There are families of three different skin tones, so you have to cross them together, and the offspring, of course, must comply with Mendel's Laws of Inheritance."*

### **Mendelius players**

*"It's a fun and attractive way to get people interested in the topic of Mendel and his laws."*

*"It brings genetics closer to children, and to anyone who wants to play."*

The pack of cards comes with a mobile app and web page which has already gone international, through which users can play this game online for free.

**Rafael Navajas**  
**Researcher at the University**  
**of Granada**

*"We know that people in Italy already play it, and in Japan they are playing it, there are also people in Brazil playing, so that's our greatest pride."*

An educational game for young people so they can learn, or revise, whilst having fun.

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