

Vaccines: a strategy that will allow us to go back to normal

SERVICE-LEARNING PROJECT: LEARNING BY DOING A SERVICE TO THE COMMUNITY

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SOCIAL NEED

IES RIBOT I SERRA (RiS)

- **60%** of the students of **foreign origin**.
- Families of **low or very low socioeconomic status**.
- Very **low overall academic results**.
- Only **10%** of students **aspire to higher education**.

PROJECT CLASS:

- Total of **8 students**
- 2nd year of baccalaureate



OBJECTIVES

- Provide **MOTIVATING REFERENCE** for students to continue with higher studies.
- Adapt **scientific information** to an **informative level**.
- **Discuss** the relationship between the information worked on and real situations close to them.

METHODOLOGY

Face-to-face sessions with IES RiS students



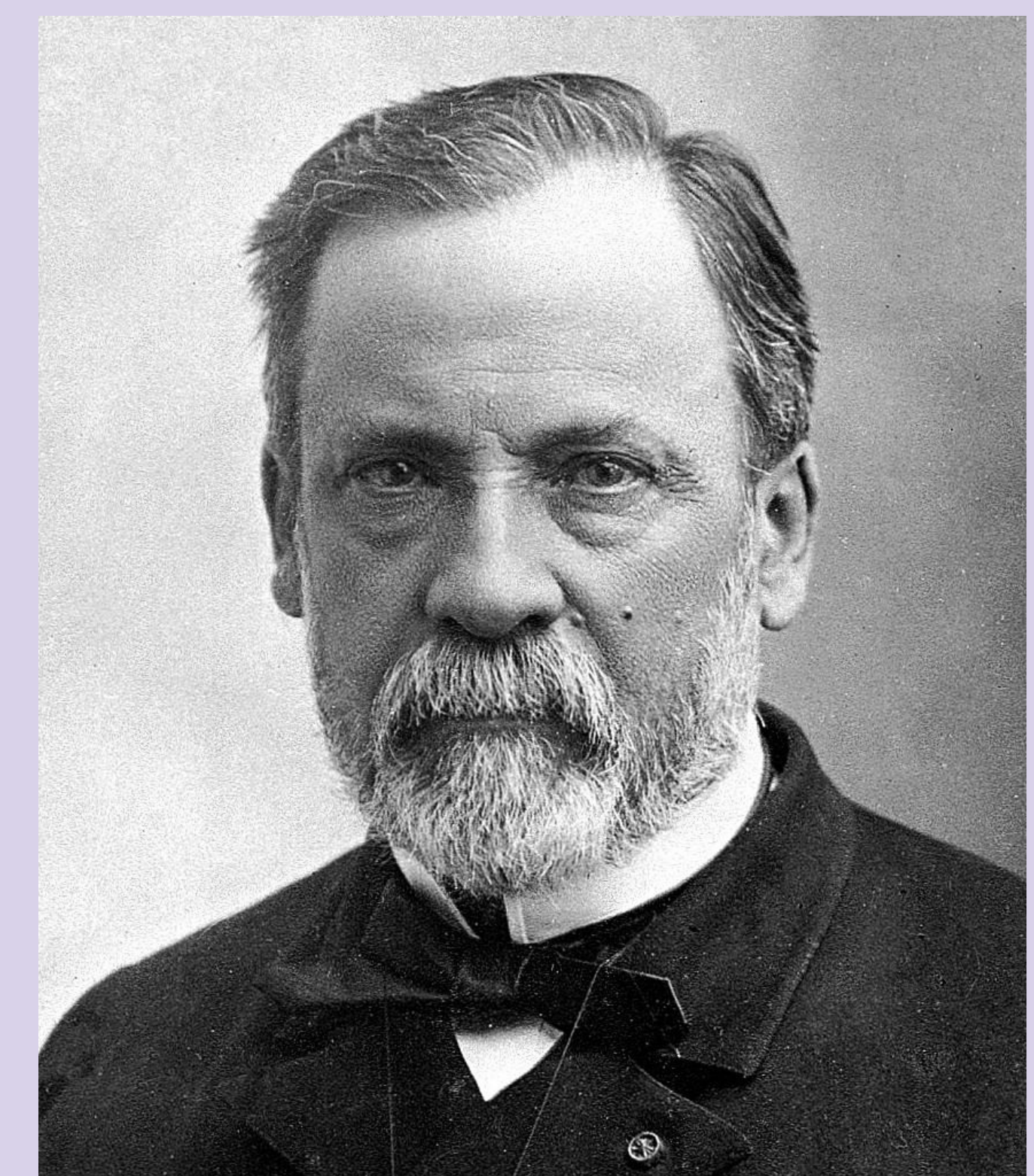
WORK PRIOR TO THE SESSIONS

- Session 0: **first contact** with students
- Learn **teaching skills**
- **Design and planning** of sessions

SESSION 1: HISTORY OF VACCINES

- Smallpox
- Variolation and Lady Mary Wortley Montagu
- Vaccination and Edward Jenner
- The attenuation of virulence and Louis Pasteur

Dynamic session with Kahoot



SESSION 2:

- Types of vaccines
 - ◆ Classical: **live attenuated** and **inactivated**
 - ◆ Next-generation vaccines: **subunit**, **DNA**, **RNA**, **MLV** and **vectored** (all of them can be **DIVA**)
- Adjuvants

Session with individual information search work

SESSION 3:

- Herd immunity and HPV, anti-vaccine movements, vaccines and childhood, vaccines and economics.

Discussion



CONCLUSIONS:

- **Vaccines**: a **powerful tool** against many diseases
- **Vaccines** have always faced reluctance
- **Scientific divulgation**: **important for society**
- Service-Learning Project: **Intense work** and **intense learning**
- **Positive experience** for students and me