



SUMMARY SHEET

Outreach Challenge

Mission

Explain a central element of your research project

College, university, internships, graduate studies... maybe even one or two postdoctoral fellowships. Acquiring profound scientific knowledge, developing cutting-edge expertise and mastering the precise jargon used to discuss discoveries with your peers takes years of effort and practice. How fair would it be to expect anyone who hasn't gone through the same training, whether it be a parent, a friend or a potential sponsor, to fully understand when you explain your research project? Would you be able to use clear, simple, and suitable language?

To take on this challenge, you must first break your research project down into core notions. Then, pick one of those notions and use your educational skills and creativity to translate it into information accessible to a lay audience!

Guidelines

-  **Speech:** Educational
-  **Type of participation:** Solo
-  **Length:** Five (5) minutes
-  **Visual aid:** Unlimited number of slides (primary aid) + one (1) prop on stage (optional)

What do we mean by « notion »?

It could be, for instance, a **biological component** or **process** (*apoptosis, neurotransmission, DNA polymerase, endocytosis, pharmacodependence, etc.*), a **scientific approach** (*randomized double-blind clinical studies, limit of detection, statistical analysis, etc.*), a **laboratory technique** (*electroencephalogram, electronic microscopy, RT-PCR, functional magnetic resonance imagery, CRISPR-Cas, systematic observation, sample collection, etc.*), an **experimental model** (*tissue grafts, organoids, immortalized cell lines, genetic knock-out in mice, etc.*), a **disease** (*type 1 or 2 diabetes, inflammatory bowel disease, AIDS, etc.*), a **pathology** or **clinical manifestation** (*anaphylactic shock, cirrhosis, inflammation, etc.*), a **therapy** or **medication** (*triple combination therapy, RNA vaccines, etc.*) or an **evaluation** or **measurement method** (*diagnostic criteria, cognitive tests, psychometric tests, etc.*).

There is an infinite number of possibilities! Take the time to break your project down into core notions and identify one that you believe might be less known or misunderstood by the public.