

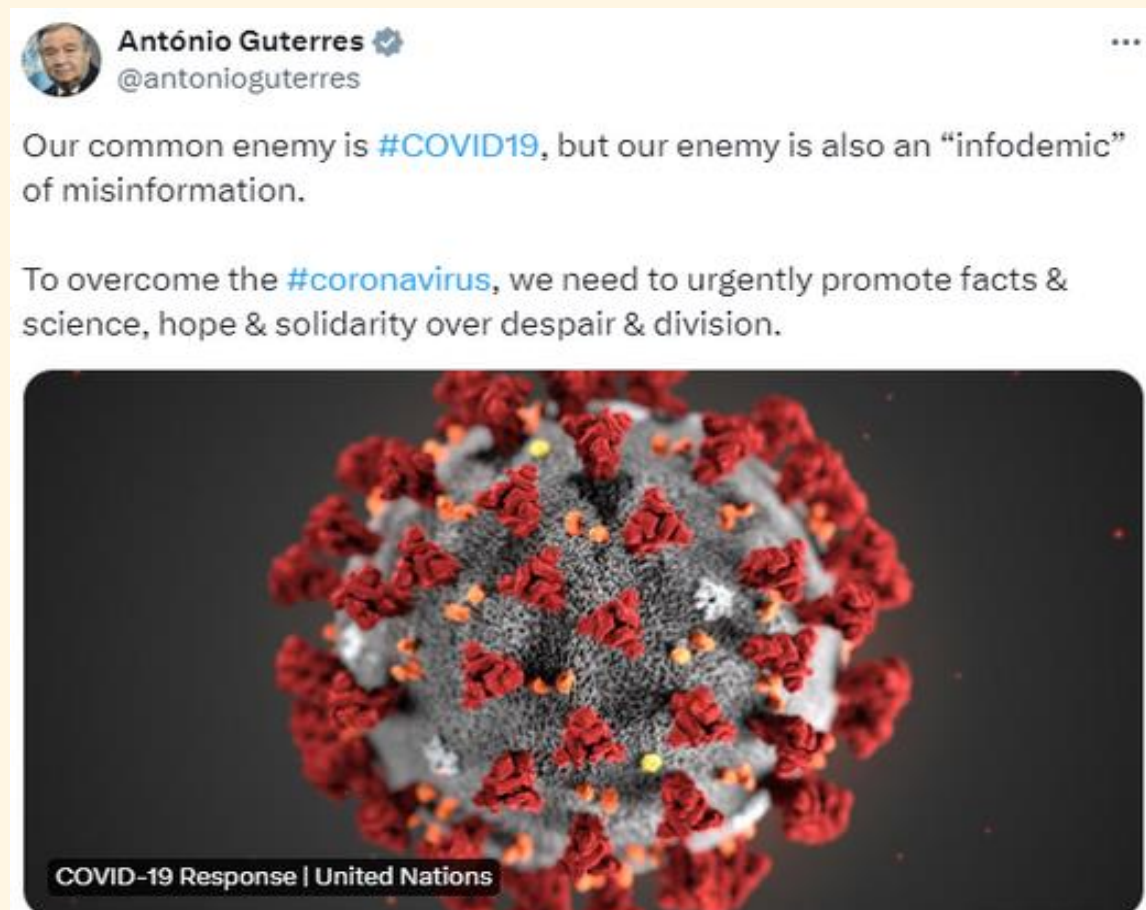
ABOUT ME

Doctor of Veterinary Medicine, MPH in Biostatistics



MOTIVATION

To contribute to
research
transparency,
ensuring it is
reproducible and
reliable, ultimately
adding value and
saving lives



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Research Background:

Open Science to Improve Reproducibility in Science (OSIRIS)

Why matter ?

Lack of reproducibility and reliability in research impact on individuals and public, example from covid-19 studies and clinical trials.

- Research waste
- Impact on health
- Impact on public trust

Solutions we offer

Experimental studies to test whether open science practices could improve research reproducibility.

Interventions targeting key players:

- Researchers
- Institutions
- Publishers
- Funders

Reproducibility:

“The possibility for scientists, and by extension for the scientific community at large, to obtain the same results as the originators of some specific scientific findings.”

Plesser HE.
Reproducibility vs. Replicability: A Brief History of a Confused Terminology.
Front Neuroinform. 2018 Jan 18;11:76. doi: 10.3389/fninf.2017.00076.
PMID: 29403370; PMCID: PMC5778115.

OSIRIS proposal: <https://osf.io/8nyke/>
OSIRIS website: <https://osiris4r.eu/>



SCOPING REVIEW & EVIDENCE MAPPING

2023 - 2024

OBSERVATIONAL STUDY

2025 - 2026

INTERVENTIONAL STUDY: RCT JOURNALS

2024 - 2026

INTERVENTIONAL STUDY: RCT FUNDERS

2024 - 2026

Experimental Study Plans

Aim: To test the effectiveness of open science interventions in improving research reproducibility

2024 - 2026

RCT Journals

Status: draft protocol

Design: 3 arms, parallel, equal allocation

Sample size: 210

Participant: peer-reviewers

Intervention: peer-review process

Outcome: direct replication

RCT Funders

Status: draft protocol

Design: 2 arms, parallel, equal allocation

Sample size: 70

Participant: grant-reviewers

Intervention: funding process

Outcome: perceived reproducibility

QUESTIONS

Regarding Randomized Controlled Trial (RCT) studies

01

Outcome measurements instruments (OMIs)

How can the outcome be measured if standard OMIs do not exist? Can I develop and use a checklist as the instrument without validation?

02

Study settings

Would it be better to conduct the RCT journal study in high-impact or low-impact journals?

03

Study participation

Would it be acceptable to recruit participants by offering incentives?