

Workshop Agenda – From Theory to Practice: Strengthening Research Integrity

Facilitator: Juan David Leongómez
Event: ISHE Summer Institute 2025
Total time: 90 minutes

0:00–0:05 — Introduction & QR Access

- Greet audience, title slide
- Show QR code for live access to the slides
- Explain session goals and TOC

Goal: Ensure participants can follow and access links

0:05–0:25 — Part 1: Challenges to Scientific Credibility

- 96% significance rate
- Publication bias, p-hacking, HARKing, low power
- Visuals: z-values, 4 horsemen, power GIF

Goal: Awareness of systemic problems

0:25–1:00 — Part 2: Preregistration

- What and why of preregistration
- Clear vs. vague examples
- OSF walkthrough: Steps 1–6
- Mention limitations and concerns

Goal: Show preregistration in practice

1:00–1:20 — Part 3: Registered Reports

- Key features of RRs
- Benefits: bias reduction, early feedback
- PCI RR: platform and process

Goal: Present RRs as incentive-aligned reform

1:20–1:30 — Wrap-Up & Discussion

- Summary slide
- Optional 'Extra' hands-on slide
- Final reflections and open questions

Goal: Invite engagement and follow-up

Reminders:

- Watch time during OSF section
- Encourage questions, keep focus
- Emphasise transparency over perfection