

GloCal Series Development seminars

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Lima, Peru

Where I am today

- Assistant professor at the School of Medicine, UPCH
- Senior researcher at Instituto de Medicina Tropical Alexander von Humboldt, UPCH
- K43 Emerging Global Leader Award (2018-2023), Fogarty International Centre, NIH

Main activities

- Designing and implementing a pilot cluster RCT of a behavioural intervention to increase
 IPT completion among children <5 years old who are TB contacts
 - 2019: designing the intervention, IRB and regulatory approvals (5 months), training
 - Dec 2019: pilot and start
- Teaching and research advising
- Collaboration in other studies
- Consultant for WHO on national reviews of TB epidemiology and surveillance systems

My career up to now

- MD at UPCH (2004)
- Field worker in a health survey in a rural area of Peru
- Research assistant, smear negative TB
- Master in Public Health in Antwerp, Belgium (2009)
- Clinical work on TB HIV in Uganda with MSF
- PhD in Belgium and Peru, sandwich model (2016)
- Field epidemiologist in Liberia, Ebola 2014 with MSF
- Short term training in person at UW and online at UCSF and UW
- GloCal fellow (first NIH funding)
- K43 Emerging Global Leader Award













My interests and career goals up to now

MD at UPCH (2004)

- Infectious and tropical diseases clinical care
- Field worker in a health survey in a rural area

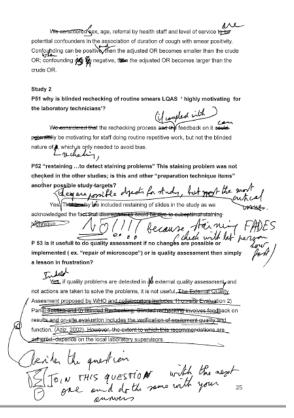
Infectious and tropical diseases **public health** approach

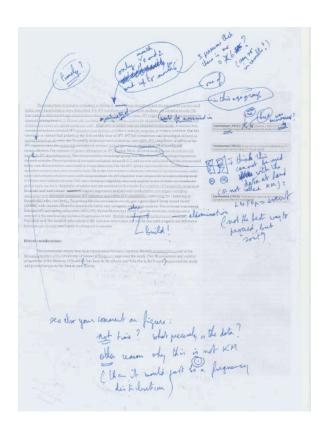
- Research assistant, smear negative TB
- Master in Public Health in Antwerp, Belgium (2009) Epidemiology and quantitative research methods
- Clinical work on TB HIV in Uganda with MSF

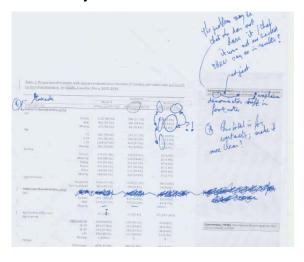
- Operational and **health system** barriers to optimal care
- PhD in Belgium and Peru, sandwich model (2016) Qualitative methods and implementation science
- Field epidemiologist in Liberia, Ebola 2014 with MSF
- Short term training in person at UW and online at UCSF and UW
- GloCal fellow (first NIH funding)
- K43 Emerging Global Leader Award
- "...independent researcher at UPCH... public health interventions to reduce TB burden... positively impact the health of the Peruvian population with high quality evidence that informs health policy."

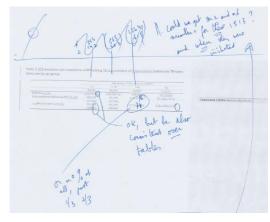
What I valued most: training and mentorship

- Dedicated, experienced (in the field study and as mentor)
- Complementary >1 mentor









What I valued most: Learning from diverse opportunities and exposures

- Different settings:
 - Training: Peru, Belgium, US
 - Working: Peru (Lima and Alto Chicama (rural area), Uganda, Liberia, southern Africa)

- Different persons:
 - Peers from all over the world
 - Academics and researchers
 - Health staff and health authorities
 - Community

Field epidemiology for Ebola with MSF Monrovia, Liberia Dec 2014-Jan 2015











What I found/find most difficult

- Securing protected time for research
- Sitting down to analyze data and write
- Choosing between becoming an expert in a specific area vs multi interests
- Saying no
 - Most times to avoid losing an opportunity
- Planning and supervising field work takes a huge amount of time and is key for the success of the study

Living and working in Peru

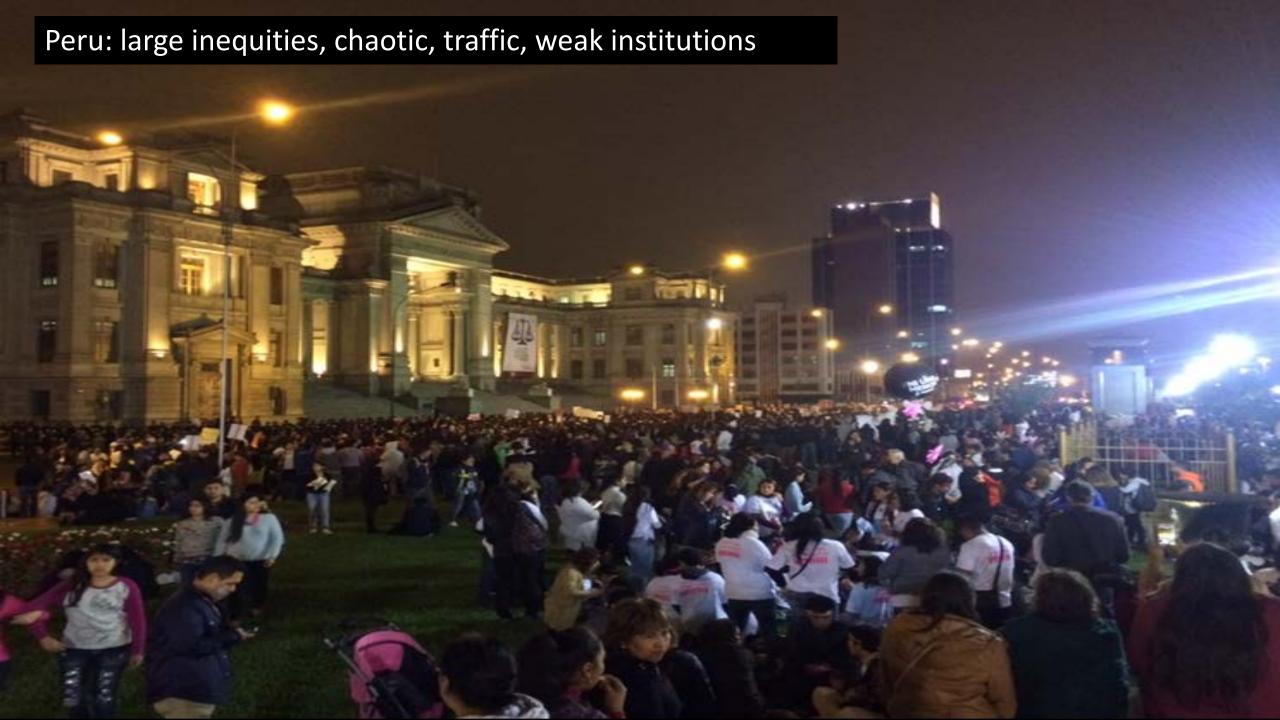












Recommendations: Grant applications Disseminating research findings

Securing grant funding for research

- Support from experienced researchers detailed feedback on grant proposals, both scientific and strategic feedback
- Planning and dedicating time to read, think and write will eventually result in a high quality scientific proposal
- Read the summary statement with an experienced researcher
- Be persistent

K43 submissions

2015: 36

SUMMARY STATEMENT

04/06/2016 (Privileged Communication) Release Date: 06:18 PM

PROGRAM CONTACT: Christine Jessup 301-496-9676 Revised Date:

christine.jessup@nih.gov

Application Number: 1 K43 TW010375-01

Principal Investigator OTERO, LARISSA

Applicant Organization: UNIVERSIDAD PERUANA CAYETANO HEREDIA

Review Group: ICP1

International and Cooperative Projects - 1 Study Section

RFA/PA: PAR15-292 Meeting Date: 03/21/2016 Council: MAY 2016 PCC: KFOREIGN

Requested Start: 07/01/2016 Dual IC(s): ES, MH

Project Title: Bridging the implementation gap in prevention of pediatric tuberculosis

SRG Action: Impact Score:36

Next Steps: Visit http://grants.nih.gov/grants/next_steps.htm Human Subjects: 44-Human subjects involved - SRG concerns

Animal Subjects: 10-No live vertebrate animals involved for competing appl. Gender: 1A-Both genders, scientifically acceptable

Minority: 5A-Only foreign subjects, scientifically acceptable Children: 1A-Both Children and Adults, scientifically acceptable

Clinical Research - not NIH-defined Phase III Trial

Project	Direct Costs	Estimated
Year	Requested	Total Cost
1	128,325	138,365
2	128,325	138,365
3	128,325	138,365
4	123,150	132,785
5	123,150	132,785
TOTAL	631,275	680,663

ADMINISTRATIVE BUDGET NOTE: The budget shown is the requested budget and has not been adjusted to reflect any recommendations made by reviewers. If an award is planned, the costs will be calculated by Institute grants management staff based on the recommendations outlined below in the COMMITTEE BUDGET RECOMMENDATIONS section.

2016: 33

SUMMARY STATEMENT

PROGRAM CONTACT: (Privileged Communication) Release Date: 04/05/2017 Christine Jessup

Revised Date: 301-496-9676

christine.jessup@nih.gov

Application Number: 1 K43 TW010375-01A1

Principal Investigator OTERO, LARISSA

Applicant Organization: UNIVERSIDAD PERUANA CAYETANO HEREDIA

Review Group: ICP1

International and Cooperative Projects - 1 Study Section

Meeting Date: 03/24/2017 RF4/P4 PAR17-001 Council: MAY 2017 PCC: KEOREIGN

Requested Start: 07/01/2017

Dual IC(s): MH, ES Project Title: Bridging the implementation gap in prevention of pediatric tuberculosis

SRG Action: Impact Score:33

Next Steps: Visit https://grants.nih.gov/grants/next_steps.htm Human Subjects: 30-Human subjects involved - Certified, no SRG concerns Animal Subjects: 10-No live vertebrate animals involved for competing appl.

Gender: 1A-Both genders, scientifically acceptable

5A-Only foreign subjects, scientifically acceptable 1A-Both Children and Adults, scientifically acceptable

Clinical Research - not NIH-defined Phase III Trial

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fundedIIII 2017: 23

SUMMARY STATEMENT

PROGRAM CONTACT: (Privileged Communication) Release Date: 06/04/2018 **Christine Jessup** Revised Date:

301-496-9676

christine.jessup@nih.gov Application Number: 1 K43 TW011137-01

Principal Investigator

OTERO, LARISSA

Applicant Organization: UNIVERSIDAD PERUANA CAYETANO HEREDIA

Review Group: ICP1

International and Cooperative Projects - 1 Study Section

Meeting Date: 05/08/2018 RFA/PA: PAR17-001 Council: AUG 2018 PCC: KFOREIGN

Requested Start: 10/01/2018

Dual IC(s): CA, DE, ES, MH Project Title: Patient-centered intervention to prevent tuberculosis among children < 5 years old

SRG Action: Impact Score:23

Next Steps: Visit https://grants.nih.gov/grants/next steps.htm

Human Subjects: 30-Human subjects involved - Certified, no SRG concerns Animal Subjects: 10-No live vertebrate animals involved for competing appl.

Gender: 1A-Both genders, scientifically acceptable

Minority: 1A-Minorities and non-minorities, scientifically acceptable

Children: 1A-Both Children and Adults, scientifically acceptable

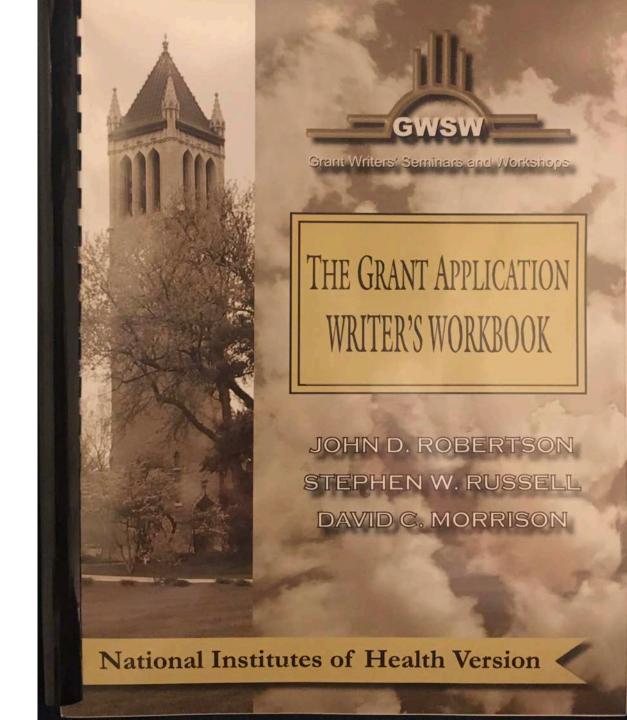
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Grant funding

Look for resources

- Contact program officers
- Write to Pls



Dissemination of research findings

- Research is relevant when it actually improves the health of populations
- Plan and budget for it
- Knowledge of the context:
 - Is implementing the findings feasible and acceptable?
 - Are there challenges or barriers we are not aware of? E.g. Health system, human resources, cultural
 - Scientific evidence of impact is only one factor for the uptake of an intervention
- Learn to switch from academic and research language to coloquial language
- Use multiple methods!

Disseminating research findings: scientific journals and conferences

For journals, consider

- Scope
- Impact factor
- Indexation

For conferences:

- Scope
- Meetings and networking
- Place, time and budget
- Global and local

I go to:

- Union conference
- Tropical Medicine and Infectious Diseases



Disseminating research findings: directly to users

Directly to users:

- Program managers
- Doctors and nurses delivering TB care
- In person
 - Power point presentation and discussion
 - Health facility visit
- In written form:
 - Policy brief: short, clear, summary of the article focusing on the problem, findings and recommendations





Disseminating research findings: with colleagues and experts

Member of the National Network of Pediatric TB, National TB Program

- Developed the National Guideline on Pediatric TB care
- Proposes research priorities





Disseminating research findings: social media



#epitwitter
#academictwitter
#medtwitter
#rstats

Acknowledgements

- Patrick Van de Stuyft (mentor, epi)
- Carlos Seas (career mentor at UPCH, ID)
- Tim Sterling (K43 mentor, TB expert)
- Joe Zunt (NIH collaborator, IS expert)
- Nicola Zetola (K43 collaborator, ID, TB expert)
- Eduardo Gotuzzo (ID)
- Tine Verdonck (epi)
- Elsa González (epi, teaching)
- Lena Shah (PhD, TB, epi)
- Theresa Ochoa (child health, field trials)
- Peruvian TB program: central and districtal
- Maribel Reyes (psych, nurse, field worker)
- Cila Montesinos (nurse, field worker)
- Partner, family and friends



