



Dear << Test First Name >>,

Welcome to the latest TB Modelling and Analysis Consortium ([TB MAC](#)) newsletter, with information for TB modellers, epidemiologists, and decision makers.

TB MAC 'TB prevention' Grant Awards

The quality of applications was exceptionally high this year. The reviewers had a difficult task choosing between them, but following an externally evaluated and approved process, two applications were awarded funding:

- Risk-benefit modelling of preventive therapy strategies to inform household contact management policies in high-burden countries - **Courtney Yuen** (Harvard and TB Program at Indus Hospital, Pakistan)
- Parameterising the kinetics of early disease in tuberculosis - **Hanif Esmail** (University of Cape Town)

Each was awarded ~US\$50,000 (subject to contract) to begin a 12 month period of work. Both projects will be required to deliver international and in-country presentations as well as peer-review paper submissions, which will be made available on the TB MAC website. Congratulations to both the applicants on the quality of your applications, as it was a very competitive year, we look forward to seeing the results of your work over the next 12 months. Thank you to all applicants. We hope you will apply for our next funding call in Q3 2019.

Job Opportunities

The project, *Determining the importance of different locations to Mycobacterium tuberculosis transmission in high tuberculosis burden settings* is seeking to recruit a Research Fellow for around 1 year, based in London. - see [link](#) for more details.

PhD opportunities

Mathematical modelling and molecular epidemiology of Mycobacterium tuberculosis transmission

Follow the [link](#) for full specifications. Unfortunately, this application is only open to EU and UK citizens for more details see [eligibility criterion](#).

Estimating the effect of tuberculosis patient and healthcare delays on the infectiousness of tuberculosis cases.

Follow the [link](#) for full specifications. Unfortunately, this application is only open to EU and UK citizens for more details see [eligibility criterion](#).

Recent Publications from our community

[Deshpande et al](#) used within-host models to identify the most important predictors of treatment outcomes for levofloxacin-treated patients with MDR-TB in Tanzania.

[Dye and Williams](#) [preprint] modelled the role of antiretroviral therapy in the decline of TB in southern and eastern Africa.

[Vinh et al](#) modelled TB dynamics in Ho Chi Minh City using the known prevalence of hyper-susceptible individuals in the population to separate out the dynamics from those of HIV.

[Wangari et al](#) modelled the possibility that recovered individuals treated from active TB and individuals treated with preventive therapy acquire different levels of immunity.

[Dodd et al](#) used a simple model to test a cost-effectiveness approximation where the time scale of the diagnostic algorithm is shorter than that of disease progression or transmission.

[Sagili et al.](#) systematically reviewed the literature to compare the cost-effectiveness of GeneXpert and LED-FM for TB diagnosis.

[Rajasingham et al](#) estimated the cost-effectiveness and projected long-term clinical outcomes of a fingerstick test to monitor for drug-induced liver injury in South Africa.

[Heinrichs et al](#) simulated dose optimization for efficacy and the suppression of the development of drug resistance.

[Arinaminpathy et al](#) [preprint] modelled the potential impact of scaling up a pilot private-provider engagement intervention to interrupt TB transmission in India.

[Fan et al](#) compared the cost-effectiveness of treating MDR-TB with bedaquiline or delamanid in Hong Kong, China.

[Kendall et al](#) modelled a TB-HIV epidemic in Khayelitsha, South Africa, to estimate the impact of antiretroviral therapy-linked isoniazid preventive therapy.

If you have any recently published TB modelling papers that you would like us to highlight in our future newsletters, [email](#) us with details.

As the year draws to a close, we want to take this opportunity to thank you for being a part of this community and contributing to the development of the evolving, growing and exciting field of TB modelling and analysis. On behalf of the TB MAC committee, we wish you all a happy festive season.

Best wishes,

Richard, Finn, Madeleine and the TB MAC Committee

www.tb-mac.org

tb-mac@lshtm.ac.uk

For more information on TB MAC, or to get involved, please contact any of the [TB MAC Committee](#), visit www.tb-mac.org or email us directly at tb-mac@lshtm.ac.uk.

GDPR compliance

In line with the new European data protection regulations (GDPR), we would like to make sure that you still want to hear from us and keep receiving the newsletter. Subscription to the newsletter means we have your name, email and organisation details stored in a private mailing list. If you no longer like us to keep this information or no longer wish to receive newsletters please click on unsubscribe below. Should you choose not to unsubscribe we will take this as your acceptance to continue receiving newsletters from us.



Tweet



Forward

Copyright © 2019 TB Modelling and Analysis Consortium, All rights reserved.

You are receiving this email because you opted in at our website, have co-authored a TB modelling paper, or asked us to add you

Our mailing address is:

TB Modelling and Analysis Consortium

LSHTM

Room 104b

London, WC1E 7HT

United Kingdom

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)

