IBM Research
The world is our lab
— Sekou L. Remy

Overview on what we're doing in Malaria
We invent things that matter to the world.
Pioneering the most promising and disruptive technologies that will transform industries and society.
Malaria

... a preventable disease... is the leading cause of morbidity and mortality in countries like Mali and Sierre Leone...

Figure 3 Cause-of-death mortality fractions (A)
The Lancet: http://dx.doi.org/10.1016/S0140-6736(16)31593-8

Malaria Control

Many options, and combinations of options are possible!
Supporting Decisions with ML

O. Bent, et. al. *Novel exploration techniques (NETs) for malaria policy interventions.* In Thirty-Second AAAI Conference on Artificial Intelligence (IAAI 2018)

S.L. Remy, et. al. *Reshaping the use of digital tools to fight malaria.* Multilateral Initiative on Malaria - Workshop on Using Digital Tools to Strengthen the Malaria Supply Chain (MIM 2018)

Smith, T., et al., 2008. Towards a comprehensive simulation model of malaria epidemiology and control. *Parasitology, 135*(13), pp.1507-1516. [https://doi.org/10.1017/S0031182008000371](https://doi.org/10.1017/S0031182008000371)


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Sharing Digital Resources


N. Bore, et. al. *Promoting Distributed Trust in Machine Learning and Computational Simulation*. In IEEE International Conference on Blockchain and Cryptocurrency (ICBC 2019)
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