INSTITUTE COLLOQUIUM

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"Key contribution to rotavirus epidemiology and vaccinology in India."

Worm wars: Control or eliminate?

The soil-transmitted helminths (STH) round worm, whipworm and hookworm are among the commonest intestinal parasites in humans. They infect an estimated 1.45 billion people globally, and 20% of the burden is in India. Moderate-to-high intensity STH infections are associated with increased risk of malnutrition, iron-deficiency anemia and other adverse physical and cognitive morbidities, particularly in children. India has started a National Deworming Day to control worm infections, particularly in children. There are questions related to how long such programs need to be continued to control infections. It is likely that this will depend on how the worms infect humans and whether they produce eggs or larvae. Modelling approaches show that for hookworm treating the whole population rather than school children alone will be required to stop transmission. These results need to be validated experimentally. Such studies are complex and long, but based on work done in Vellore, a new experimental trial has been started, and will provide results for policy.

Friday 11th January, 2019 at 4:00 PM

Seminar Hall, Chemical Sciences Block

Indian Institute of Science Education and Research Thiruvananthapuram (IISER-TVM)

Maruthamala PO, Vithura,Thiruvananthapuram, Kerala, India.

IISER THIRUVANANTHAPURAM