COMSTECH-NTD NETWORK JOINT LECTURE SERIES

Protozoan 'Drug' Discovery: Old Drugs, New Targets And Mining For Novelty

6 August, 2021

2 : 30 PM Pak

Register to attend:
https://forms.gle/6JX8KYeWHJFBekQU7

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Parasitic disease of humans and livestock remains a worldwide problem. Leishmaniasis impacts both health and economics and drains resources that could be used to promote development. Improving control of this disease would have profound benefits for human health, aid in wealth creation, and enhance quality of life. With no vaccine currently available for use in humans, chemotherapy remains the primary method of intervention, however current drugs are inadequate. New drugs are needed and whilst several promising candidates are in early phase clinical trials, gaining deeper insights into protozoan biology is crucial for supporting drug discovery efforts.
This presentation will focus on characterisation of protozoan sphingolipid biosynthesis and the identification of novel antimicrobial targets within both the Kinetoplastidae and the Apicomplexa. Furthermore Insights into the inhibitors of Leishmania sphingolipid biosynthesis and projects designed to elucidate new antileishmanial drug targets will be discussed.

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