

COMSTECH-NTD NETWORK JOINT LECTURE SERIES

The role of amino acids in the bioenergetics of *Trypanosoma cruzi*

22 Dec, 2021

4:00 PM Pak

8:00 AM Brazil Time

Register to attend:

[https://forms.gle/pbSMmiMmskh
y6hju9](https://forms.gle/pbSMmiMmskh
y6hju9)

Professor Ariel M. Silber

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Trypanosoma cruzi, the causative agent of Chagas disease, alternates during its complex life cycle among insect and mammalian hosts. Inside the bodies of their different hosts, this parasite colonizes different territories (different regions of the digestive tube in the insects and different tissues in mammals). To cope with such different environments, *T. cruzi* evolved a sophisticated and flexible metabolism. This presentation will be focused on the ability of this parasite to use three different amino acids to fuel the cell mitochondrion with redox equivalents and produce ATP.



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