

Graduate Schools
Infection Immunity and Cancer, UniGe & UniL: CUS
Biology & Medicine, CMU

Seminar in Microbiology

Monday, September 9th, 2019

Salle de séminaire, E07.3347.a, CMU

11:30 – 12:30

John McCarthy
University of Warwick



Novel molecular
architectures in the *Leishmania* translation
machinery - potential drug targets?

Dos Santos Rodrigues FH, Firczuk H, Breeze AL, Cameron AD, Walko M, Wilson AJ, Zanchin NIT, McCarthy JEG. (2019) The *Leishmania* PABP1-eIF4E4 interface: a novel 5'-3' interaction architecture for trans-spliced mRNAs. *Nucleic Acids Res.* 47:1493-1504

Dacheux E, Malys N, Meng X, Ramachandran V, Mendes P, McCarthy JEG. (2017) Translation initiation events on structured eukaryotic mRNAs generate gene expression noise. *Nucleic Acids Res.* 45:6981-6992

Meng, Xiang, Firczuk, Helena, Pietroni, Paola, Westbrook, Richard, Dacheux, Estelle, Mendes, Pedro, McCarthy, John E. G.. 2016. Minimum-noise production of translation factor eIF4G maps to a mechanistically determined optimal rate control window for protein synthesis. *Nucleic Acids Research*, 45:1015-1025,

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