

Biology Seminar



12:30 - 1:30 pm
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Delivered Online



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Evolutionary and Conservation Genomics of Neotropical Carnivores

Dr. Eizirik has been working for over 25 years on evolutionary and conservation genetics of wild carnivores, especially focusing on Neotropical species. Since 2011 he has been shifting most of his projects to employ genomic approaches, having led several studies that have sequenced and analyzed complete genomes from multiple species. This has included the Jaguar Genome Project, an effort to sequence and characterize the genome of this species, which began in 2011 and has involved collaborators from multiple institutions in eight countries. Subsequent studies involved several canid, felid and mustelid species, focusing on phylogenomics, adaptive evolution, demographic history and populations genomics. The talk will describe some of these recent and ongoing studies, including evolutionary inferences drawn from these genomes and their application to design or enhance conservation strategies on behalf of the target species.

