



ICTP | International Centre for Theoretical Physics
SAIFR | South American Institute for Fundamental Research

IFT-UNESP auditorium - São Paulo, Brasil

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WHY WE ANIMALS SING



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Music has long filled a uniquely important role in bridging human culture and biology, stretching back over millennia, and of course today provides respite and remedy in an increasingly stressful world. We do not sing alone. On land, four kinds of animals produce songs or calls: birds, frogs, mammals, and insects. Some of these animals (and fish) also do so underwater. The principal sounds such animal species make are signaling behaviors directly related to mating success and social cohesion and their ranges are molded by their forms and by their particular forest, savannah or seaside habitat.

Human music also has origins, motivations and mechanisms in common with other animals. Traces of a long and ongoing history comes from archaeology, anthropology and brain studies. Evidence of a measurable impact on human biology comes from neurobiology, social psychology, and public health.

This colloquium lecture will be transmitted live on the ICTP-SAIFR Youtube channel.

More information:

ictp-saifr.org/farrell2023/



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