

# Zuzana Musilová

Evolutionary biologist focused on genomics of fish vision. She did her postdoctoral research training at University of Basel (Switzerland) and is currently based at Charles University in Prague leading her own research group (FishEvo).

Her research lab is focused on fish evolution, namely molecular adaptations of vision in various aquatic environments including deep-sea fishes. Using genomics and transcriptomics they aim to uncover the limits of what vertebrate eye is capable of. With her colleagues they discovered a novel visual system based on multiple rods that have evolved in the extreme conditions of the deep sea. She did her postdoctoral research stay at the University of Basel (Switzerland) and currently she leads her own research group in Prague. She has been awarded by the Neuron prize, and L'Oreal - for women in science. She has been awarded the ERC Consolidator starting in 2024.

