Animals Moving Through Waterfalls and other Multiphase Flows

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**Summary.** In nature, animals are commonly challenged to move through complex flows composed of liquids, gases and solids. However, our understanding of multiphase flow dynamics and their effect on animal’s locomotion is still limited. In this talk, I will review recent findings on animal’s responses while moving through waterfalls, rainfall, and bubbling water surfaces, as well as the biological implications. Finally, I will discuss animals’ capacity to autogenerate two-phase flows, such as the knifefish that can produce cavitation bubbles during suction.

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