



FRIENDS OF MOSS LANDING
MARINE LABORATORIES

A World Turned Upside- Down



A story from the oceans' underworld where life, matter and energy come from the Earth's interior

Please join us
**Wednesday, October 1st at 7
PM** for an evening with
Dr. Ivano Aiello

About the Lecture: Only recently have scientists discovered that life on our planet's surface and oceans is just a fraction of all life on earth. Much more lives beneath the oceans' abyss, under the seafloor within marine sediments where there is no sunlight or oxygen, and pressure is extremely high. Yet, it is the home of unicellular organisms, the simplest of all life forms, which survive by 'breathing' chemicals in their habitat.

How these life forms got there, and whether similar life forms could be found on other planets and moons are just some of the unresolved mysteries.

New clues come from a recent research cruise in the Mediterranean Sea by a joint US-German science team co-led by Dr. Ivano Aiello. The research team collected samples from an underwater mud volcano that creates a unique 'floating seafloor', a marine environment never described before. In this 'zero-gravity' suspended mud they found microbes usually locked deep within the Earth, and the clues that could help us look for life in outer space.

About the speaker: Ivano Aiello joined the MLML Faculty in 2006 as the Geological Oceanography Professor. He is a marine geologist and sedimentologist and his research and teaching are cross-disciplinary including geobiology, paleoceanography and coastal geology.

Community Science Lectures are held in the Seminar Room at MLML at 8272 Moss Landing Road in Moss Landing. Questions? Call Friends at (831) 771-4100 <http://friends.mlml.calstate.edu/>.

Recommended donation for non-Friends of MLML: \$8
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