



PRESS RELEASE

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Puralytics Receives ONAMI Commercialization Grant for Water Purification Technology

Summary:

Puralytics has received a grant from ONAMI, the Oregon Nanoscience and Microtechnologies Institute, to advance their unique water treatment capability. This grant is provided through the ONAMI Gap Fund, which will fund technology research and verification in conjunction with Oregon Health & Science University (OHSU). Puralytics has developed a photochemical water purification technology using semiconductor light sources and nanotechnology, with 100% water recovery, low energy, and environmentally sound products. This new process has demonstrated effectiveness eliminating organics, heavy metals, and pathogens from water.

March 23, 2010

Beaverton, Oregon, USA

Puralytics, an emerging leader in advanced water purification technology, announced it has been awarded a grant from ONAMI, the Oregon Nanoscience and Microtechnologies Institute, to work with Oregon Health & Science University staff scientists on purification process efficiency. The principal investigator is Dr. Paul Tratnyek of OHSU. The project goal is to optimize the contaminant removal capability of the new photochemical process developed by Puralytics through refinement of the photocatalyst materials and through testing across a range of parameters and across a wide range of emerging contaminants of concern. The enhanced capability will greatly expand the applications for the Puralytics products and technology.

Puralytics has developed a new photo purification technology for water which uses precise wavelength LEDs in conjunction with a fixed photocatalyst to remove organic compounds, heavy metals, and pathogens from water. For more information on the Puralytics technology and products, please visit: <http://www.puralytics.com/html/home.php>. The Shield 500 is available for industrial and commercial applications, and the sunlight powered SolarBag for recreation, developing world and disaster relief applications will be available in early 2010.

“This collaborative effort with Oregon Health & Science University will allow us to extend and validate our advanced water purification technology on some of the world’s most difficult emerging contaminants.” Mark Owen, Puralytics CEO.

MORE



About ONAMI

ONAMI, the Oregon Nanoscience and Microtechnologies Institute, is the first Oregon Signature Research Center. A cooperative venture among government and world-class nanoscience and microtechnology R&D institutions and industry in the Northwest, ONAMI was created to cultivate research and commercialization to advance the leading economic sector in Oregon, and expand the benefits of technology innovation to traditional and natural resource industries. ONAMI fosters a deep reach into fundamental science for the next source of innovation and high-wage employment opportunities. By putting nanotechnology to work in microsystems, ONAMI members are taking these advances from the lab through to commercialization.

About Puralytics

Puralytics is an early stage company in Beaverton, Oregon, which is developing photochemical water purification products that removes all of the emerging contaminants such as petrochemicals and pharmaceuticals, eliminate heavy metals like arsenic, lead, and mercury, and provide disinfection of bacteria, viruses, and other pathogens. These products have wide applicability for laboratory and industrial processes, well water purification, waste and grey water processing, and remote drinking water purification. Puralytics was also chosen by The Artemis Project as a 2009 Top 50 Global Water Technology Company competition winner, and was selected as a finalist in the 2010 ImagineH₂O Prize.

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