2019 ACS National National Meeting Expo 25 29 August 2019 19 23 October 2019 The latest insights into the changing climate New findings in cancer treatment and prevention In-depth investigations on all things marine science US National Institutes of Health EurekAlert. provides eligible reporters with free access to embargoed and breaking news releases. offers eligible public information officers paid access to a reliable news release distribution service. is a service of the American Association for the Advancement of Science. Using algae to promote agricultural sustainability and the circular economy This is an algal cultivation facility at Swansea University. Algae are being used to develop new technology to clean up waste. Scientists at Swansea University are leading on a €5.5 Million eco-innovative project. The ALG-AD project could potentially result in a circular economy solution whereby excess waste nutrients produced from anaerobic digestion of food and farm waste are used to cultivate algal biomass for animal feed and other products of value. ALG-AD is a project from Interreg North-West Europe NWE a European Territorial Cooperation Programme funded by the European Commission. The project is being led by Dr Carole Llewellyn Associate Professor in Applied Aquatic Bioscience at Swansea University. Dr Llewellyn explained The project stemmed from issues surrounding Anaerobic Digestion AD. AD is used to process a significant amount of food and farm waste to produce biogas and a nutrient rich digest. With expansion of the AD industry across Europe there is excess nutrient waste. EU legislation and the introduction of nutrient-vulnerable zones across Europe to prevent nutrient run off causing pollution means that solutions need to be developed. The ALG-AD project will combine algal and anaerobic digestion technologies. Algae require nutrients to grow and so the excess nutrients from AD of food and farm waste provide an essentially free otherwise waste source of nutrients. The algae can then be processed to produce commodity products so for example in this project we will be looking to use the cultivated algae biomass in animal feeds. In this way algae can help provide a circular economy solution for the waste industry and help ensure that agriculture is developed sustainably ". ALG-AD has been funded for 3.5 years. Swansea University is leading the project in collaboration with ten partners comprising university industry and policymakers across the UK France Germany and Belgium. Swansea University is to receive over €1 million from the European Union matched with €700,000 from the Welsh Government. are not responsible for the accuracy of news releases posted to EurekAlert. by contributing institutions or for the use of any information through the EurekAlert system. More on this News Release Using algae to promote agricultural sustainability and the circular economy Algal Cultivation Facility at Swansea University Scientists short-circuit maturity in insects opening new paths to disease prevention University of California Riverside Humans not always to blame for genetic diversity loss in wildlife Hundreds of UCLA students publish encyclopedia of 1,000 genes linked to organ development University of California Los Angeles Getting to the root of plant survival Earth 's most biodiverse ecosystems face a perfect storm The skin of the earth is home to pac-manlike protists Discovery sheds new light on how cells move Nano-thin flexible touchscreens could be printed like newspaper View all latest news releases Copyright 2020 by the American Association for the Advancement of Science AAAS Latest News Releases RSS Feed Copyright 2020 by the American Association for the Advancement of Science AAAS.