

## Companies formed using the University Venture Development Fund



**Amorphyx** has created a new electronic device – the amorphous metal nonlinear resistor (AMNR) that dramatically reduces manufacturing costs by eliminating semiconductor content in the display backplane while increasing the brightness, speed and efficiency of LCD and flexible displays.

<http://www.amorphyx.com/>

**Corvallis**



**Applied Exergy** provides utility and industrial customers with the patented Thermal Approach to Grid Energy Storage (TAGES) system which acts like a battery that charges with electricity from the grid when energy is plentiful and cheap and then discharging electricity back to the grid when energy is in short supply and expensive.

<https://angel.co/applied-exergy>

**Corvallis**



**Beet Solar** is developing high efficiency thin film solar cells based on a newly recognized absorber material platform. The proposed technology enables simple, polycrystalline thin film solar cell manufacturing in a tandem geometry allowing high photoconversion efficiencies using low-cost raw materials and processes.

<http://www.beetsolar.com>

**Corvallis**



**CSD Nano** has successfully developed and patented the next generation of nano-tech anti-reflective coatings for the solar industry. The company's flag-ship product, MoreSun, is designed to increase ROI for installed solar systems worldwide.

<http://www.csdnano.com/>

**Corvallis**



**eChemion's** patent-pending "Chemical Stabilization of Graphite Surfaces" technology protects flow battery reactor surfaces from oxidative damage during battery cycling without sacrificing its electro catalytic activity.

<http://www.echemion.com/>

**Corvallis**



**Floragenex** is a biotechnology company providing innovative solutions for genomic analysis in human, plant and animal systems. Floragenex has delivered impact results in hundreds of genomics studies focused on answering fundamental questions in genetics, ecology, evolutionary biology and biomedical research.

<http://www.floragenex.com/>

**Eugene & Portland**



**Inpria's** patented phot-condensed molecular oxides offer customers the unique ability to deposit atomically smooth, intrinsically dense, and directly photopatternable metal oxide films, enabling advanced performance with simplified processing.

<http://www.inpria.com/>

**Corvallis**



**mAbDx** specializes in creating novel immunodiagnostics through biomarker discovery and immunoassay development. They are committed to developing effective diagnostics for diseases characterized by the common features of great clinical urgency and unmet diagnostic needs.

<http://www.mitosciences.com/>

**Eugene**



**MitoSciences** produces and distributes immunoassays and high performance monoclonal antibodies via an online catalog consisting of over 400 products in the areas of metabolism and apoptosis. They have placed considerable investment into developing novel and effective techniques for screening, characterizing, and validating monoclonal antibodies.

<http://www.mitosciences.com/>

**Eugene**



**Microflow CVO** designs and manufactures microfluidic devices using patented technology. Microflow CVO devices are suited for nanoparticle and microsphere syntheses, high pressure and temperatures, hazardous reactions, and fine chemistry and pharmaceutical production.

<https://microflowcvo.com/>

**Corvallis**



**NemaMetrix** has developed a first-in-class drug discovery and development platform. An order of magnitude faster and cheaper than traditional mouse-model system, the WormChip can not only provide key data faster, streamlining the drug development pipeline, but can also enable the economic screening of therapeutics for orphan and word-health diseases.

<http://nemametrix.com/>

**Eugene**



**OnBoard Dynamics** is working to integrate natural gas compressor technology into automotive engines, reducing the cost of compressed natural gas compression.

<http://www.onboarddynamics.com/>

**Bend**



**Online Lab's** expert software development team has crafted a superior lab experience online for educators and students. The company is dedicated to developing the next generation of virtual lab software and bringing these products to students online.

<http://www.onlinechemlabs.com/>

**Corvallis**



**Perpetua Power Source Technologies, Inc.** develops and manufactures advanced renewable energy solutions that enable their customers to develop, deploy and benefit from next-generation wireless sensor applications. By extending battery life, or replacing batteries altogether, their products enable wireless sensors to collect more data over a given time period and offer opportunities to effectively operate in a wider range of environments.

<http://www.perpetuapower.com/>

**Corvallis**



In 2015, Perpetua Power announced the spin-off of its thin-film, wearable energy harvesting technology business unit. This new entity, **Thermogen Technologies**, is strategically focused on the rapidly expanding Wearables and IoT markets.

<http://thermogentech.com/>

**Corvallis**



**Valliscor** harnesses licensed and developed technology to provide unique and cost-effective solutions for producing high value chemical entities. As a chemical manufacturing company, they provide innovative solutions to access fluorinated building blocks and enantiomerically enriched scaffolds for the pharmaceutical, agricultural, polymer and electronics industries. Valliscor has proprietary technology for the preparation of a wide range of ultra pure Bromofluoroalkanes (BFAs) and also offer Fluoroalkylation Services which allows them to provide their customers with Fluoroalkylated Building Blocks.

<http://www.valliscor.com/>

**Corvallis**



**Waste2Watergy** is commercializing an innovative microbial fuel cell (MFC) technology developed at Oregon State University for efficient wastewater treatment and simultaneous renewable electricity generation.

<http://www.waste2watergy.com/>

**Corvallis**



**Fixing the *Internet of Broken Things***<sup>™</sup>. Our technology has been adopted by epidemiologists, engineers and program implementers working in a dozen countries around the world on water, sanitation energy and infrastructure programs. We are directly measuring the performance and use of these interventions in a way that has not previously been possible. Our data is used in lieu of anecdotes for grant payments, carbon credits, and to influence program designs.

<http://www.sweetsensors.com/>

**Portland**



**VDT** provides Testing and Validation services and tools to realize the full potential of early prototyping using virtual devices.

<http://virtualdevicetechnologies.com/>

**Portland**



**DesignMedix, Inc.** develops drugs to address the large medical need caused by the rapid rise in drug resistance in multiple diseases. Diseases like malaria and diarrhea kill millions of people each year, and cause untold suffering. The World Health Organization considers drug-resistance to be one of the top three threats to human health today. Using proprietary technology, DesignMedix is developing novel drugs to help efforts to alleviate and eliminate these deadly infections.

<http://www.designmedix.com/>

**Portland**



Ventricular Arrhythmias and Heart Failure are the major cause of death in the United States. They are responsible a huge financial and emotional burden to the families involved. There is an urgent need for improved therapeutics. At **ELEX Biotech** we are taken a unique rational approach toward developing new drugs targeting the Ca<sup>2+</sup> leak associated with an internal membrane system which controls the contractile state of cardiac muscle. Our approach has resulted in new drugs which are potent inhibitors of arrhythmias in animal models.

<http://www.elexbiotech.com/>

**Portland**