



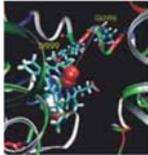
The Hawaii Pavilion at BIO 2015 is organized by the Business Development & Support Division of the Department of Business, Economic Development and Tourism (DBEDT) and is part of a series of initiatives this division has undertaken to increase the export of Hawaii's products and services, and to promote investment in life sciences in Hawaii.

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Overview of Hawaii

Hawaii is an island state with a mid-Pacific location between the U.S. West Coast and Asia. Its population of over 1.4 million people (estimated as of 2014) is multi-ethnic and multi-cultural, with close ties to the Asia-Pacific region. There is a talented workforce pool, with a high percentage of college and post-graduate degrees. The quality of life and health is high, with senior health ranked high and lowest rate of obesity in the U.S.



Come Discover the Islands of Opportunity

Look beyond Hawaii's pristine beaches and you'll discover an emerging biotechnology industry already on the cutting edge of research and development in a number of areas including:

Medical

- John A. Burns School of Medicine anchoring life science hub
- NCI-designated University of Hawaii Cancer Center
- Innovative biomedical and biodefense products developed for dual use
- West Nile virus and Dengue virus vaccines in clinical studies
- Communication via brain signals with adaptive computer system
- Therapeutics developed for public health threats
- Cost-effective regenerative medicine for tissue repair and disease management
- Advanced diagnostic imaging technology for cancer detection

Agricultural

- USDA research laboratories in support of the Pacific Basin
- Virus resistance for crops and ornamental flower production
- Enhanced food quality and productivity in diversified tropical crops
- Record high revenue in seed industry in Hawaii
- Biomass-delivered charcoal increasing plant growth
- Biofuels research for feedstock improvements



Contact Information

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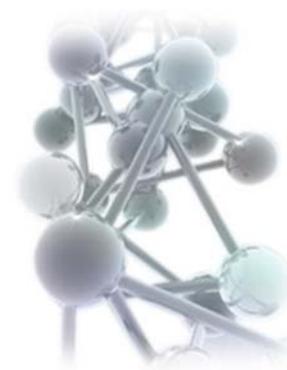
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<http://invest.hawaii.gov>
@InvestHawaiiGov





Hawaii Life Sciences Network

The Hawaii Pavilion at BIO represents Hawaii Life Sciences <http://hawaiilifesciences.net/>, a network of collaborators bringing together life sciences researchers, entrepreneurs and supporters to build a successful life sciences industry in Hawaii.



Industrial/Environmental

- Cost-effective production of marine micro-algae for bio-fuels
- Conversion of waste cooking oil to diesel fuel
- Green technology to produce biodegradable thermo-plastic
- Customized algae biofactories for biofuel production

Marine

- DNA sequencing for disease detection of coral reef eco-systems
- NSF-sponsored research and education center for microbial oceanography
- Detection of alien invasive species in shipping ballast water
- Discovery of new species of bamboo coral in the North-western Hawaiian Islands
- Marine mammal responses tracked during Navy exercises



Why Locate in Hawaii?

- Funding available for start-ups and manufacturing
- Geographic location and time-zones allow same-day working with North America and Asia
- Ability to conduct clinical trials with multi-ethnic population
- Talent pool in Hawaii and major research university and research institutes
- Seed farmers able to grow 3-4 times a year to accelerate seed research
- Collaborate with U.S. military research and development, clinical trials
- Specialized research in tropical diseases and geriatric research
- High quality of life and health

The following pages profile a select group of life science companies in Hawaii. For more information, please access <http://hawaiilifesciences.net/>.



Adnoviv

2800 Woodlawn Drive
Suite 101
Honolulu, HI 96822
www.adnoviv.com/home.html

With over 20 years of engineering research and product development experience, **Adnoviv** specializes in the development and commercialization of intelligent sensors and systems for industrial, security, and biomedical applications.

Bio-Logic Hawaii

1934a Kaioo Drive
Honolulu, HI 96815
<http://bio-logic-hawaii.weebly.com>

Bio-Logic Hawaii was founded to explore the potential of their research into the use of a calpain-2 inhibitor to treat Crohn's disease and Ulcerative Colitis.



2800 Woodlawn Drive
Suite 129
Honolulu, HI 96822
Tel (808) 457-1400
Fax (808) 237-5902
www.cardaxpharma.com

Cardax is developing exceptionally safe and highly effective anti-inflammatory nutraceuticals and pharmaceuticals initially based on astaxanthin, a naturally occurring compound that reduces inflammation without the harmful side effects of current anti-inflammatory drugs (e.g., steroids, NSAIDs, anti-TNFs). Cardax and BASF formed a development and supply alliance for nature-identical, synthetic astaxanthin, under which BASF licensed nutraceutical commercialization rights and will pay Cardax royalties on nutraceutical sales; Cardax retains pharmaceutical rights.



2800 Woodlawn Drive
Suite 101
Honolulu, HI 96822
Tel (708) 888-0474
Fax (808) 539-3795
www.cytherapharm.com

CyThera Pharmaceuticals is committed to the development of the highest quality products through repositioning of FDA-approved drugs for new disease indications in cancer, stroke and immune disease. The company's core competency centers on compounds screened against ion channel proteins.

SmarTummy

John A. Burns School of Medicine
651 Ilalo Street
Honolulu, HI 96813
<http://jabsom.hawaii.edu/>

SMARTUMMY LLC has designed and developed a first-of-its-kind abdominal simulator that mimics a number of abdominal ailments in an instantaneous fashion using its proprietary technology and user-friendly computer interface. The SmarTummy fills a gap present in today's medical simulation industry and effectively trains healthcare students in abdominal palpation exams.



810 Richards Street
Suite 1000
Honolulu, HI 96813
Tel (808) 539-3991
Fax (808) 539-9345
www.tissuegenesis.com

Tissue Genesis, Inc. is a clinical-stage cell therapy company in the high-growth field of regenerative medicine. Tissue Genesis focuses on using a patient's autologous (own) adipose (fat) derived regenerative cells, including stem cells, referred to as the Stromal Vascular Fraction ("SVF"). Tissue Genesis has developed a novel enabling instrument that harvests tens of millions of cells from an initial adipose liposuction collection, comprising an isolated SVF pellet in one hour called the Tissue Genesis Icellator Cell Isolation System®.



2045 Lauwiliwili Street, Unit 301
Kapolei, HI 96707
Tel (808) TRU-TAGS
Fax (808) 380-2223
<http://www.trutags.com/>

TruTag Technologies, Inc. provides product authentication and brand protection solutions for multiple industries. We use customized and proprietary nanotechnology solutions using spectrally coded silica microtags branded *TruTag*®. The TruTag solution represents a breakthrough in the industry because these microtags are made of the highest purity silica, rendering them biologically inert, edible, and virtually invisible. Each tag contains a unique code that can only be scanned using our proprietary instruments.

Pacific Technology Institute on Aging

High Technology Development
Corporation
2800 Woodlawn Drive
Honolulu, HI 96822
Tel (808) 539-3806
Fax (808) 539-3795
www.htdc.org

The **Pacific Technology Institute on Aging** is a project of the High Technology Development Corporation (HTDC), a state agency established by the Hawaii State Legislature in 1983 to facilitate the development and growth of Hawaii's commercial high technology industry. HTDC is currently in the development stage of establishing a geriatric technology research park on Oahu and welcomes potential collaborators.



2615 S. King Street
Suite 310
Honolulu, HI 96826
Tel (808) 675-2700
Fax (808) 356-1332
www.ponopharma.com

Pono Pharma is an early-stage pharmaceutical development company with two product platforms in preclinical development. The company's intellectual property covers two pipeline products: a proteasome inhibitor with a focus on multiple myeloma, and an anti-infective agent to treat multiple-drug-resistant Gram-negative and Gram-positive bacteria. Pono Pharma is open to partnerships, co-development, and licensing options for the intellectual property behind these platform technologies.

Protekai

Upside Fund
2444 Dole Street
Bachman Hall 105
Honolulu, HI 96822

Protekai is positioning itself to literally shift the paradigm in infrared imaging. The unique discovery represents the missing component to *in vivo* imaging and is the next-frontier for *in vivo* diagnostics. Protekai's technology provides a unique opportunity to study deep tissue whole organisms and can be used for imaging of biological processes such as cancer, opening the door to a myriad of diagnostic and research applications currently unavailable.



P.O. Box 1231
Honolulu, HI 96807
Tel (949) 342-4360
<http://diagenetix.com>

Diagenetix is a developer of the most affordable and portable DNA amplification platform for isothermal chemistries. Their product, BioRanger, is a handheld biology lab, engineered to detect any gene-marker.



650 Iwilei Road, Suite 290
Honolulu, HI 96817
Tel (808) 949-2208
Fax (808) 949-2209
www.eyegenix.com

Eyegenix is developing the world's first biosynthetic cornea replacement. The Eyegenix biosynthetic implant—with human compatibility and long term implantation experience, no immunological markers, capable of nerve regrowth, epithelialization, and tissue integration—will be used for artificial cornea and potentially other areas of tissue replacement and possibly drug delivery.



99-193 Aiea Heights Drive
Suite 200
Aiea, HI 96701
Tel (808) 792-1399
Fax (808) 792-1343
www.hibiotech.com

Hawaii Biotech, Inc. (HBI) is a privately held biotechnology company focused on the research and development of vaccines and small molecule drugs for established and emerging infectious diseases and bioterrorism threats. The company is developing biomedical products, including vaccines to prevent, and drugs to treat, infectious diseases for which there are currently no medical alternatives. These "first in class" products are targeted against emerging, tropical, and bio-terrorism infectious agents.





350 Ho'ohana Street
Kahului, HI 96732
Tel (808) 244-7800
www.nanopointimaging.com

HNU-nanoPOINT, winner of the 2014 Buzz of BIO award for Technologies of Tomorrow, is a biotechnology company that provides custom automated microfluidics and imaging platforms to ground-based and space-based cell biology and embryology researchers. The high-throughput, remote-controlled and automated features allow long time-course experiments with multiple drug delivery options benefiting drug discovery, cancer biology, stem cell research, Assisted Reproductive Technologies (ART) research, and individualized cancer and stem cell therapies. HNU-nanoPOINT is proud to announce its SCORPIO-V platform for biological studies on board the International Space Station.



Tel (808) 366-0333
Fax (808) 366-0333
www.kineticor.com

Kineticor, a medical imaging company dedicated to bringing clarity to MR imaging, seeks to become the market leader in providing the most advanced and cost-effective Prospective Motion Correction Technologies to the healthcare industry. Kineticor's patented prospective motion correction optical imaging technology delivers unparalleled performance to fully optimized MR imaging.



2800 Woodlawn Drive
Suite 281
Honolulu, HI 96822
Tel (808) 721-3429
Fax (808) 988-3170
www.kuehnleagro.com

Kuehnle AgroSystems, Inc. (KAS) is a growing product-focused biosciences company specializing in the development and production of live and processed algae and other microbial-based solutions to address real world problems.



<http://makaibio.com/Home.html>

Makai Biotechnology is a Honolulu-based biopharmaceutical company specializing in the identification and development of ion channel-modulating drugs for use in the treatment of heart failure, a disease area in which new therapeutics are urgently needed.



Hawaii Center for Advanced
Communications
College of Engineering
University of Hawaii
2540 Dole St, Holmes 240
Honolulu, HI 96822
Tel (808) 956-3434
www.miwatechnologies.com

Being able to closely monitor the changes in lung water, respiratory rate, and heart rate, are the foundation for proactively preventing worsening of patients' heart failure. **MiWa Technologies**, a newly formed engineering company that develops new, low cost, and non-invasive biomedical devices, has developed the Cardiopulmonary Stethoscope, a low-cost, non-invasive integrated radio frequency-based system for lung water and vital sign measurements.

Nanodiagnostics

University of Hawai'i
2538 McCarthy Mall
Edmondson Hall 216
Honolulu, HI 96822
(808) 956-8303

<http://manoa.hawaii.edu/biology/events/2013/12/31/nanodiagnostics-llc>

Nanodiagnostics, the 2013 BPC winner, brings novel, sensitive molecular imaging contrast agents to market. Nanodiagnostics will also offer structural and molecular imaging services for clinical and preclinical studies. Our latest technology enables large-scale studies of kidney morphology, which is important for understanding and detecting diabetic nephropathy, drug-induced nephropathy, and for visualizing the action of newly-discovered drugs.