



Biotechnology Greenhouse of Southeastern Pennsylvania

We Grow Life Sciences Businesses

About BioAdvance

BioAdvance is one of the nation's leading investors providing pre-seed and seed stage funding to emerging life sciences companies in Southeastern Pennsylvania. Established in 2002 with \$33.8 million from the Commonwealth of Pennsylvania's share of tobacco settlement monies, BioAdvance identifies and invests in promising research and technologies that could lead to important advances in medicine and human health. Companies in the BioAdvance portfolio are working to develop products to treat health problems including Alzheimer's, cancer, obesity, GI disorders, neurological and respiratory illnesses. BioAdvance was twice named in *Entrepreneur Magazine's* top ten seed-stage investors in life sciences.

FAST FACTS

Funding, Business Support and Programs

- ▲ \$20 million Greenhouse Fund invests between \$250,000 and \$1 million for seed-stage companies.
- ▲ Investments focus on companies developing therapeutic agents, diagnostics and devices to improve human health.
- ▲ \$12 million committed since 2003 in 22 companies and 11 pre-seed projects.
- ▲ Portfolio companies have raised more than \$218 million in additional capital since the BioAdvance investments.
- ▲ Five portfolio companies have been acquired.
- ▲ \$26 million BioAdvance Ventures Fund, managed by Quaker BioVentures, which is fully invested in 12 companies (two of which received BioAdvance seed funding).
- ▲ 46 products are being developed by 22 companies in a number of disease areas.

BioAdvance also has...

- ▲ Sponsored the Greater Philadelphia Life Sciences guide (www.look4science.com) — a searchable online directory of the region's life sciences associations, companies, service providers, capital and support organizations.
- ▲ Sponsored The Milken Institute's study, *The Greater Philadelphia Life Sciences Cluster: An Economic and Comparative Assessment*, naming Greater Philadelphia one of the nation's top three life sciences centers.
- ▲ Committed \$2.5 million to found the Greater Philadelphia Bioinformatics Alliance (GPBA), successfully linking regional academia and industry through collaborative research, education and training, and workforce development. Investment leveraged an additional \$1.2 million in state, federal and NSF grants.

Greenhouse Program Portfolio Companies

Acuity Pharmaceuticals Inc., Dale Pfost, Ph.D., Chairman, President & CEO. Acuity used BioAdvance funding to move its RNA interference technology drug for adult macular degeneration — discovered at the University of Pennsylvania — into clinical trials. The company raised \$16.5 million in 2005 and in 2007 merged with Fropix, renamed Opko Health. www.opko.com

Alteris Therapeutics, Inc., Albert Wong, M.D., CSO. Alteris was focused on the discovery and development of therapeutics and vaccines against novel, proprietary cancer targets. The company's cancer technologies were purchased by Celldex Therapeutics in 2005. Celldex merged with Avant Immunotherapeutics in 2008. www.celldextherapeutics.com

Avid Radiopharmaceuticals, Inc., Dan Skovronsky, M.D., Ph.D. Founder and President. Avid, out of University of Pennsylvania, is developing novel radiopharmaceuticals for early diagnosis of Alzheimer's disease. The company raised \$8.9 million in 2006 and raised an additional \$26 million in 2007. www.avidrp.com

Cira Discovery Sciences, Inc., Wade T. Rogers, Ph.D., President & CEO. Cira discovers patterns of biomarkers for diagnostics and drug discovery using its proprietary computational platform. www.ciradiscovery.com

Eagle Vision Pharmaceuticals, Corp., Philip P. Harnish, Ph.D., Chairman & CEO. Eagle Vision focuses on imaging agents to enhance magnetic resonance imaging's (MRI) powerful potential for diagnosis and management of heart disease, liver disease and cancer. www.eaglevpc.com

Galleon Pharmaceuticals, Inc., James Mannion, Ph.D., CEO. Galleon is an early stage company that is developing a new class of medicine for sleep apnea and other conditions related to the body's regulation of breathing. A \$10 million first tranche received as part of a larger financing. www.galleonpharma.com

Gelifex, Inc. Gelifex developed novel spine implants for degenerative disc disease. Gelifex was acquired by multi-national device company Synthes, Inc., (Paoli, PA) in 2004. www.synthes.com

InfraScan, Inc., Baruch Ben Dor, Ph.D., President and CEO. InfraScan is developing the Infrascanner™, which is a hand-held imaging device using near infrared (NIR) technologies for the detection of bleeding in the brain. www.infrascanner.com

Jenrin Discovery, Inc., John McElroy, Ph.D., Founder, President and CSO. Jenrin is developing a novel approach for the treatment of obesity by developing drugs that act directly to eliminate adipose (fat) tissue. Jenrin raised \$3 million in 2008. www.jenrindiscovery.com

LumenVu, Inc., Anne-Marie Maman, CEO. LumenVu, out of the University of Pennsylvania, is embedding lights in catheters to direct their accurate placement in the body. LumenVu was acquired by SonoSite in 2007. www.sonosite.com

Marillion Pharmaceuticals, Inc., Zahed Subhan, Ph.D., MBA, LLB, CEO. Marillion is dedicated to the discovery, development and commercialization of anticancer drugs based on proprietary tumor targeting technologies licensed from the University of Pennsylvania. Marillion raised \$1.5 million in 2006. www.marillionpharma.com

Melior Discovery, Inc., Andrew Reaume, Ph.D., CEO. Melior is a start-up drug development company that is using its *theraTRACE*SM platform to identify new therapeutic uses for development-stage pharmaceutical compounds. Melior raised \$3.7 million in 2006. www.meliordiscovery.com

Midway Pharmaceuticals, Inc., Rifat Pamukcu, M.D., CEO. Midway is a development-stage biopharmaceutical company focused on creating proprietary drugs for the treatment of bacteria-mediated gastrointestinal (GI) diseases. rpamukcu@midwaypharma.com

NuPathe Inc., Jane Hollingsworth, Chariman & CEO. NuPathe is a specialty pharmaceuticals company focusing on the acquisition and development of important and innovative therapeutic products in the area of neuroscience and psychiatry. NuPath raised \$15 million in 2006. www.nupathe.com

PhenoTech, Inc., Guy Maestre, Ph.D., President & CEO. Phenotech, out of the University of Pennsylvania, is employing novel molecular technology to develop a new class of renewable, inexpensive, high-quality blood typing reagents. www.phenotech.com

Phoenix S&T, Inc., Sau Lan Tang Staats, Founder and President. Phoenix S&T develops and markets devices for protein analysis in drug discovery, clinical diagnostics and homeland security. The company's first product is a nanospray nozzle chip for mass spectrometry analysis. www.phoenix-st.com

Protez Pharmaceuticals, Inc., Christopher M. Cashman, CEO. Protez has four programs to discover novel antibiotics to combat drug resistance in difficult-to-treat hospital-based infections. Protez raised an additional \$21 million, and in 2008 initiated a 20-site, Phase 2 human clinical trial of PZ-601, its lead compound for infectious diseases. www.protez.com

RetinaPharma Technologies, Inc., Terry A. Fuller, Ph.D., President & CEO. RetinaPharma develops products for vision disorders. RetinaPharma's TonoPach® for glaucoma diagnosis received FDA marketing clearance in 2005. www.retinapharma.com

SansRosa Pharmaceutical Development, Inc., James Fay, CEO. SansRosa was focusing on the topical administration of therapeutic agents to treat rosacea and other skin conditions. SansRosa was acquired by CollaGenex, Inc. (Newtown, PA) in 2005. www.collagenex.com

SonoMedix (a Vasculab Company) Mike Dugery, Founding Partner, Vasculab Technologies. SonoMedix is developing a novel nano-acoustic sensor technology for broad application in cardiovascular diagnostics. The first targeted application is blood coagulation self-testing for patients taking Coumadin®. www.vasculabtech.com

TheraQuest Biosciences, Inc., Najib Babul, PharmD, CEO and CSO. TheraQuest, an analgesic specialist, is developing four novel products for the treatment of moderate-to-severe pain conditions. www.theraquestinc.com

Yaupon Therapeutics, Inc., Robert Alonso, President and CEO. Yaupon has four compounds in its pipeline, including treatments focused on T-cell lymphoma, methamphetamine addiction, smoking cessation and neuropathic pain. Yaupon raised \$4 million in 2006. www.yaupontherapeutics.com

