

25 Years of Life Changing Innovations

A 25-Year Timeline of Major Occurrences in Washington State's Life Science Community

Decades after PhysioControl invented the defibrillator in the 1950s, many leading innovations in healthcare have come from Washington State. Through the efforts of the Washington Biotechnology & Biomedical Association (WBBA), more people are learning that bone marrow transplantation, kidney dialysis, biologics like Enbrel, and other life changing innovations were developed in Washington State. In addition to being the home to top research institutions and hundreds of life science organizations, Washington has also become a leader on the global and digital health fronts.

As WBBA celebrates its 25th Anniversary, we are proud the rest of the world is recognizing Washington has, and is continuing to make, a global impact on the world's health.



1989
Washington Biotechnology Association Founded August 22 - Renamed Washington Biotechnology and Biomedical Association 1994

1998
Philips Healthcare acquired ATL Ultrasound (spin-out from the University of Washington); Dr. Gene Strandness of UW introduced the first Doppler ultrasound instrument for clinical use in 1967)

Etanercept (later Enbrel) released for commercial use by Immunex Corporation (acquired by Amgen 2002)



2000
Dr. Leroy Hood, established the Institute for Systems Biology (ISB)

The Bill & Melinda Gates Foundation Formed

2005
Physio-Control (founded in 1995 by Dr. Karl William Edmark, inventor of the DC defibrillator) celebrated its 50-year anniversary

Corixa (founded 1994) acquired by GlaxoSmithKline

Life Science Discovery Fund Authority established



2007
Hollister-Stier Laboratories (founded 1921 in Spokane) acquired by Jubilant

ICOS, developer of Cialis, acquired by Eli Lilly and Company – CMC Biologics and Calistoga formed

2010
ZymoGenetics (founded 1981) acquired by Bristol-Myers Squibb

Signature Genomic acquired by PerkinElmer

Spiration, Inc. (founded 1999) acquired by Olympus

Provenge, developed by Dendreon (moved to Seattle 1999), received FDA approval

Washington State University Spokane is designated the university's health sciences campus

2012
Mobisante marketed the first Smartphone Ultrasound Device

Novo Nordisk opened its Type 1 diabetes R&D Center in Seattle

Infectious Disease Research Institute (established 1993) launched the world's first clinical trial of a vaccine for visceral leishmaniasis (the second-largest parasitic killer in the world after malaria)

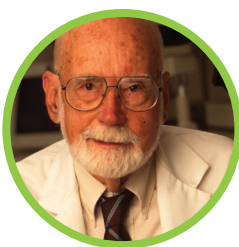
2014
Seattle Biomedical Research Institute (established 1976 – Seattle's first global health organization) awarded \$9.8 Million NIH grant to develop HIV/AIDS vaccine

Omeros Corporation (established 1994) received FDA approval of Omidria™

IPOs: Acucela, Immune Design, BioLife Solutions, Alder Biopharmaceuticals

1989 1990 1998 1999 2000 2004 2005 2006 2007 2009 2010 2011 2012 2013 2014

1990
E. Donnall Thomas of Fred Hutchinson Cancer Research Center (established 1972) awarded Nobel Prize for bone marrow transplantation



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1999
BIO International Convention held in Seattle



2004
Alder Biopharmaceuticals established



2011
Pacific Northwest Diabetes Research Center launched the Institute's Urban Innovation Center

2006
Gilead acquired Corus Pharma

2009
Novo Nordisk opened its autoimmune disease research center in Seattle

PATH (established in 1977 as PIACT) moved to new South Lake Union headquarters



2011
Sonosite (established 1998) acquired by FujiFilm

ADCETRIS, developed by Seattle Genetics (established 1998) received FDA approval

Calistoga (established 2006) acquired by Gilead

Pacific Northwest Diabetes Research Center (founded 1956 as Pacific Northwest Research Foundation) launched the Institute's Urban Innovation Center to foster and incubate small biomedical companies and organizations

2013
NanoString Technologies (established 2003) received FDA approval for Prosignia test

Allen Institute for Brain Science (established 2003) named as a leader in the national brain-research and mapping initiative