

MICHAEL DAVID WEST, B.S., M.S., Ph.D.

CURRICULUM VITAE

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Summary:

Dr. West is the Chief Executive Officer of BioTime, Inc. (NYSE Amex: BTIM) of Alameda, California as well as its subsidiaries. The Companies are focused on developing an array of research and therapeutic products using human embryonic stem cell technology. He received his Ph.D. from Baylor College of Medicine in 1989 concentrating on the biology of cellular aging. He has focused his academic and business career on the application of developmental biology to the age-related degenerative disease. He was the Founder of Geron Corporation of Menlo Park, California (Nasdaq: GERN) and from 1990 to 1998 he was a Director, and Vice President, where he initiated and managed programs in telomerase diagnostics, oligonucleotide-based telomerase inhibition as anti-tumor therapy, and the cloning and use of telomerase in telomerase-mediated therapy wherein telomerase is utilized to immortalize human cells. From 1995 to 1998 he organized and managed the research collaboration between Geron and its academic collaborators James Thomson and John Gearhart that led to the first isolation of human embryonic stem and human embryonic germ cells. From 1998 to 2007 he was President and Chief Scientific Officer at Advanced Cell Technology, Inc. (OTCBB: ACTC) where he managed programs in animal cloning, human somatic cell nuclear transfer, retinal differentiation, and ACTCellerate, a technology for the multiplex derivation and characterization of clonal human embryonic progenitor cell lines.

Personal:

Date and Place of Birth April 28, 1953; Niles, Michigan
Citizenship U.S.A.

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Education:

Niles Senior High School; Niles, MI		1971
Rensselaer Polytechnic Institute; Troy, NY	B.S. Major: Psychology Minor: Management	1976
Andrews University; Berrien Springs, MI	M.S. Biology	1982
Baylor College of Medicine; Houston, TX	Ph.D. Cell Biology (Division of Molecular Virology)	1989

Business Experience:

West Motor Leasing Company, Inc.	President, General Manager,	1976-1982
West Leasing Company, Inc.	President, General Manager,	1978-1982
West Motor Sales, Inc.	President, General Manager,	1980-1982
Geron Corporation (Nasdaq: GERN)	Founder, Director, Officer	1990-1998
Origen Therapeutics, Inc.	Founder, Chairman,	1997-1999
Advanced Cell Technology, Inc.	Chairman & CEO	1998-2004
Advanced Cell Technology, Inc. (OTCBB: ACTC)	President & CSO	2004-2007
CIMA Biotechnology, Inc.	President & CEO	1999-2005
Cyagra, LLC.	President & CEO	2000-2002
A.C.T. Group, Inc.	Founder, Chairman, President & CEO	1999-2005
BioTime, Inc. (NYSE Amex: BTX)	CEO	2007-Present
ReCyte Therapeutics	CEO	2007-Present
OncoCyte Corporation	CEO	2009-2011
BioTime Asia	CEO	2010-Present
ES Cell International	CEO	2010-Present
OrthoCyte Corporation	CEO	2010-Present

Research and Professional Experience:

2010-Present	Chief Executive Officer OrthoCyte Corporation 1301 Harbor Bay Pkwy Alameda, CA 94502
2010-Present	Chief Executive Officer ES Cell International Pte Ltd Biopolis Street #01-03 Genome Singapore 138672
2010-Present	Chief Executive Officer BioTime Asia Hong Kong
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2007-Present	Chief Executive Officer BioTime, Inc. (NYSE Amex: BTX) 1301 Harbor Bay Pkwy Alameda, CA 94502
2007-Present	Chief Executive Officer ReCyte Therapeutics, Inc. 1301 Harbor Bay Pkwy Alameda, CA 94502
2005-2008	Adjunct Professor Department of Bioengineering University of California, Berkeley
2004-2007	President, Chief Scientific Officer Advanced Cell Technology, Inc. (OTC: ACTC) 381 Plantation St. Worcester, MA 01605

1998-2004	President, CEO, Chairman Advanced Cell Technology, Inc. One Innovation Dr. Worcester, MA 01605
1999-2005	Founder, Chairman, President & CEO A.C.T. Group, Inc. One Innovation Dr. Worcester, MA 01605
2003-Present:	Board Member Biotime, Inc. (AMEX: BTIM)
2000-2002	President & CEO Cyagra, Inc. One Innovation Dr. Worcester, MA 01605
1997-1999	Founder, Chairman, Origen Therapeutics, Inc. 1450 Rollins Rd. Burlingame, CA 94080
1992-1998	Founder, VP, Chief Scientific Officer, VP New Technology Discovery Geron Coporation 230 Constitution Dr. Menlo Park, CA 94025
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1990 - 1992	Senior Research Scientist Department of Cell Biology and Neuroscience Southwestern Medical School 5323 Harry Hines Blvd. Dallas, Texas 75235 Laboratories of: Dr. Woodring E. Wright Dr. Jerry W. Shay

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Advisor: Dr. James R. Smith
- 1982 - 1985 Graduate Student (Doctoral Candidate)
University of Arkansas
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RESEARCH GRANT SUPPORT:

Active:

2009 TR1-01276 (PI: West); (06/09- 05/12); California Institute for Regenerative Medicine; Addressing the Cell Purity and Identity Bottleneck through Generation and Expansion of Clonal Human Embryonic Progenitor Cell Lines, \$4,721,706.

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Patents

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2. West, M.D., Shay, J., Wright, W. 1996. Therapy and Diagnosis of Conditions Related to Telomere Length and/or Telomerase Activity. U.S. Patent No. 5,489,508.
3. West, M.D. 1996. PADPRP Inhibitors to Treat Diseases Associated with Cellular Senescence. U.S. Patent No. 5,589,483.
4. Shay, J., West, M.D., and Wright, W.E. 1997. Methods for Cancer Diagnosis and Prognosis. U.S. Patent No. 5,639,613.
5. West, M.D., Harley, C.B., Strahl, C.M., McEachern, M.J., Shay, J., Wright, W.E., Blackburn, E.H., and Vaziri, H. 1997. Therapy and Diagnosis of Conditions Related to Telomere Length and/or Telomerase Activity. U.S. Patent No. 5,645,986.
6. West, M.D., Shay, J., and Wright, W.E. 1997. Telomerase Diagnostic Methods. U.S. Patent No. 5,648,215.
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9. Shay, J., West, M.D., and Wright, W.E. 1997. Methods for Cancer Diagnosis and Prognosis. U.S. Patent No. 5,693,474.
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13. Blackburn, E.H., Shay, J., West, M.D., and Wright, W. Therapy and Diagnosis of Conditions Related to Telomere Length and/or Telomerase Activity. Australian Patent No. 688.262.
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- Systems for Ex Vivo Development. European Published Application No. 1711594
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100. West, M.D.; Lanza; Robert; Chung; Young. - Derivation of embryonic stem cells. U.S. Patent No. 7,838,727
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