

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.

NAME Waldemar Lernhardt	POSITION TITLE Chief Executive Officer
eRA Commons user name wlernhardt57	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
University of Heidelberg, Heidelberg Germany	B.S.	1975	Chemistry
University of Heidelberg, Heidelberg Germany	B.S.	1976	Zoology/ Botany
Basel Institute for Immunology, Basel, Switzerland and University of Heidelberg, Heidelberg Germany	Ph.D.	1980	Immunology

A. Personal Statement

My personal goal, coinciding to develop and commercialize more definitive diagnostic and prognostic assays for prostate cancer and prostate cancer outcome. My experience in assay development, clinical trial design and management and general product development will be brought to bear on this project. Specifically, while working at Stratagene Cloning Systems I have developed and commercialized a number of molecular and cellular assays. During my tenure at Maxia Pharmaceuticals, Inc. I was engaged in all aspects of pharmaceutical R&D from drug discovery to Phase III clinical studies. I will assist with project management and workflow of the proposed project, data analysis, assay configuration and regulatory aspects.

B. Positions and Honors

1981-1983	Research Associate	UCLA, School of Medicine, Los Angeles, CA
1984-1988	Assistant Staff Scientist	La Jolla Cancer Res. Foundation, La Jolla, CA (now Sanford Burnham Institute for Medical Research)
1988 -1991	Research Program Director	California Inst. of Biological Res., La Jolla, CA
1991 -1996	Staff Scientist, Cell Bio. Group Leader	Stratagene Cloning Systems, Inc., La Jolla, CA
1996	Director of Quality Control	Layton Bioscience, Inc., Palo Alto, CA,
1997 - 2002	Vice President, Operations	Maxia Pharmaceuticals, Inc.
2002 – 2003	Senior Vice President, Operations	Maxia Pharmaceuticals, Inc.
2003	Vice President, Scientific Operations	Incyte Corporation
2005 - 2008	Vice President, Product Development	Therapeutics, Inc.
2004 - Present	Chief Operations Officer	ARTYX Pharmaceuticals, Inc.
2004 - Present	President & Chief Executive Officer	Proveri Inc.
<u>Award</u>		

1981 – 1983 Postdoctoral fellowship, Deutsche Forschungsgemeinschaft.

Other Professional Experience

2010 Member, NCI Special Emphasis Panel: “SBIR Phase II Bridge Awards to Accelerate the Development of Cancer Therapeutics, Imaging Technologies, Interventional Devices, Diagnostics, and Prognostics toward Commercialization.”

2011 Review Panel Member: Department of Defense Congressionally Directed Medical Research Programs; Prostate Cancer Research Program

2012 Initial Review Panel Member: Department of Defense Congressionally Directed Medical Research

Lernhardt, Waldemar W

Programs; Prostate Cancer Research Program

C. Selected Peer-Reviewed Publications

1. Andersson, J., Coutinho, A., Lernhardt, W., Melchers, F. Clonal growth and maturation to immunoglobulin secretion of every growth-inducible B lymphocyte. **Cell** 10, 27-34 (1977). PMID: 319912.

2. Lernhardt, W., Andersson, J., Coutinho, A., Melchers, F. Cloning of murine transformed cell lines in suspension cultures with efficiencies near 100%. **Exp. Cell. Res.** 111, 309-316 (1978). PMID: 414926.

3. Boehmer, H.V., Hengartner, H., Nabholz, M., Lernhardt, W., Schreier, M.H., Haas, W. Fine specificity of a continuously growing killer cell clone specific for H-Y antigen. **Eur. J. Immunol.** 9, 592-297 (1979). PMID: 91527. PMCID: PMC2185729.

4. Andersson, J., Lernhardt, W., Melchers, F. The purified protein derivative of tuberculin, a B-cell mitogen that distinguishes in its action resting, small B cells from activated B cell blasts. **J. Exp. Med.** 150, 1339-1350 (1979). PMID: 315990.

5. Schreier, M.H., Andersson, J., Lernhardt, W., Melchers, F. Antigen-specific T-helper cells stimulate H-2-compatible and H-2-incompatible B-cell blasts polyclonally. **J. Exp. Med.** 151, 194-203 (1980). PMID: 6965306. PMCID: PMC2185768

6. Melchers, F., Andersson, J., Lernhardt, W., Schreier, M.H. H-2-unrestricted polyclonal maturation without replication of small B cells induced by antigen-activated T cell help factor. **Eur. J. Immunol.** 10, 679-685 (1980). PMID: 6968266

7. Melchers, F., Andersson, J., Lernhardt, W., Schreier, M.H. Roles of surface bound immunoglobulin molecules in regulating the replication and maturation to immunoglobulin secretion of B-lymphocytes. **Immunol. Rev.** 52, 89-114 (1980). PMID: 7021398.

8. Lernhardt, W., Corbel, C., Wall, R., Melchers, F. T cell hybridomas which produce B lymphocyte replication factors only. **Nature** 300, 355-357 (1982). PMID: 6983034

9. Melchers, F., Lernhardt, W. Three restriction points in the cell cycle of activated murine B-lymphocytes. **Proc. Natl. Acad. Sci. USA** 82, 7681-7685 (1985). PMID: 3877931. PMCID: PMC391397.

10. Lernhardt, W., Raschke, W.C., Melchers F. Alpha-type B cell growth factor and complement component C3: Their possible structural relationship. **Current Topics in Microbiol. and Immunol.** 132, 98-104 (1986). PMID: 3491740

15. Lernhardt, W., Karasuyama, H., Rolink, A., Melchers, F. Control of the cell cycle of murine B-lymphocytes:

The nature of a and b B cell growth factors and B cell maturation factors. **Immunol. Rev.** 99, 239-260 (1987). PMID: 3315969

12. Lernhardt, W., Melchers, F. The role of C3 and its fragments in the control of S phase entry of activated mouse B-lymphocytes via the complement receptor type 2. **Expl. Clin. Immunogenet.** 5, 115-122 (1988). PMID: 2978811

13. DeCino, P., Lernhardt, W., Herbst, H., Raschke, W.C. Expression of oncogenes in normal and transformed B lymphocytes. **Oncogene Res.** 3, 33-37 (1988). PMID: 3264606

14. Delcayre, A.X., Salas, F., Mathur, S., Kovats, K., Lotz, M., Lernhardt, W., Epstein Barr virus/complement C3d receptor is an interferon alpha receptor. **EMBO J.** 10(4), 919-26 (1991). PMID: 1849076. PMCID: PMC452735.

15. Jia, Z., Wang, Y., Sawyers, A., Yao, H., Rahmatpanah, F., Xia, X-Q. Xu, Q., Pio, R., Turan, T., Koziol, J.A., Goodison, S., Carpenter, P., Wang-Rodriguez, J., Simoneau, A., Meyskens, F., Sutton, M., Lernhardt, W., Beach, T., Monforte, J., McClelland, J., and Mercola, D., Diagnosis of Prostate Cancer Using Differentially Expressed Genes in Stroma. **Cancer Research** 71:2476-2487 (2011).

16. Jia, Z, Rahmatpanah, F.B., Chen, X., Lernhardt, W., Wang, Y., Xia, X.-Q., Sawyers, A., Sutton, M., McClelland, M., Mercola, D., Expression Changes in the Stroma of Prostate Cancer Predict Subsequent Relapse. **PLoS One** 7 (2012).
17. Jia, Z., Wang, Y., Hu, Y., McLaren, C., Yu, Y., Ye, K., Xia, X.-Q., Koziol, J.A., Lernhardt, W., McClelland, M., Mercola, D., A Sample Selection Strategy to Boost the Statistical Power of Signature Detection in Cancer Expression Profile Studies. **Anti-Cancer Agents in Medicinal Chemistry**, 13:0000-0000 (2013).
Lernhardt, Waldemar W

D. Research Support

ACTIVE: None