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Summary

Highly motivated, broadly experienced executive with research and development, corporate and non-profit organization experience. Three decades of bench experience in physiological, biological, biochemical and primate research. One of the leading partners on the team that developed novel biomaterials of biological origin for new medical therapeutic modalities in ophthalmology (viscosurgery), treatment of wrinkles and depressed scars (visoaugmentation) in dermatology and plastic surgery, the treatment of arthritis (viscosupplementation) and prevention of surgical adhesions (viscoprotection). Managed several research and development teams in academic institutions as well as in the medical biotechnology industry. Primary fiscal and administrative responsibility for construction and management of research (including animal) facilities.

Matrix Biology Institute, Edgewater, NJ, President (2000- present)

The Matrix Biology Institute (a non-profit, 501 c(3) medical research institute) was organized to raise funds and provide research resources for hyaluronan research and education.

Hylaco, LLC, Dallas, TX, Chief Scientific Officer and Co-founder (2009- present)

Hylaco, LLC is a product development company specializing in formulating and marketing products containing the HylaSponge®System, the newest, multifunctional form of hyaluronan (HA, hyaluronic acid) especially for use in topical care and cosmetic formulations. The HylaSponge®System was developed by the Matrix Biology Institute, which partners with Hylaco to bring this revolutionary, enhanced water-containing form of HA to the business of skin care and provides technological support for product development.

Biomatrix, Inc., Ridgefield, NJ, (Co-founder) (1983-2000)

Biomatrix was founded to develop, manufacture and market novel forms of and applications for advanced biomaterials for use in therapeutic medical applications and in skin care products.

- Executive Vice President 1989-2000
- Vice President, Research and Development 1983-1989
- Director, Biomatrix Board of Directors 1983-2000

Responsibilities:

- Operations management for 60,000 square foot facility and over 100 employees in manufacturing, R&D and administration
- Fiscal and operational responsibility for *In Vivo* research facility, consisting of a permanent primate research and breeding colony of more than 350 primates and facilities for other animals. Established the primate breeding function of the colony and initiated new management methods for integrating a breeding facility into a research-oriented facility; responsible for contract testing as well as intra- and extra-mural research programs.
- Oversight of public relations and corporate communications.
- Oversight of Human Resources Department (corporate and international subsidiaries).

- Editorial oversight for all printed materials developed by the Company, including Annual Reports, Quarterly Reports/Reports to Shareholders, research publications, advertising and product brochures.
- Editorial oversight for all advertising and product brochures developed by distributing/marketing partners.
- Member of the Executive Committee and Management Committee of Biomatrix, Inc.

Accomplishments:

- Developed and established production methods for and marketed novel biomaterial-based skin care/cosmetic products, providing the cash basis for future medical research and development in other areas of interest for Biomatrix, Inc.
- Established research and development, and administrative headquarters for the company.
- Set up operations and quality assurance policies and procedures.
- Instituted personnel/human resources policies and procedures.
- Established employee health insurance program
- Established and directed quality control testing contract with an international drug company.
- Numerous scientific and technical publications in the field of new biomaterials and their medical therapeutic applications.

Biotrics, Inc., Ridgefield, NJ, President (1975-1991)

Biotrics was a research and development company that developed patented biomaterial-based products for medical therapeutics (Healon[®]) and skin care (Biomatrix[®]). It was also a contract laboratory to carry out quality control testing in primates and research projects for products for medical therapeutic applications.

Responsibilities:

- Established testing and research contracts and carried out research projects, with fiscal responsibility for operations.
- Fiscal administrative and technical responsibility for testing laboratory; hired and trained highly technical testing staff; development and oversight of data base systems for record keeping.

Accomplishments:

- Instituted new method of testing to use more cost-effective and more commercially-available research primate, resulting in 50% cost reduction and assurance of ability to continue testing in primates.

Research and Development Background

Primate Research/Biomaterials Development

In Vivo Resources, Biomatrix, Inc., Ridgefield, NJ (1983-2000)

Biomaterials /Physiology

Matrix Biology Laboratory, Department of Ophthalmology Research, Columbia University, College of Physicians and Surgeons, New York, NY (1975-1985)

Biochemistry/Physiology

Department of Connective Tissue Research, Boston Biomedical Research Institute, Boston, MA (1972-1975)

Pharmacology/Physiology

Department of Pharmacology, University of Ottawa, Faculty of Medicine, Ottawa, Ontario, Canada (1968-1972)

Foundation and Nonprofit Organization Management

Executive Director, International Society for Eye Research (1988-2000)

Responsible for increasing Society membership from fewer than 100 to over 800 international scientists and clinicians in the field of ophthalmology research. Oversight of biennial meeting organization sponsored by international hosts, with primary responsibility for communications with meeting participants and all printed materials for congresses. Fiscal responsibility for Secretariat/ Membership office, collection of dues and congress fees, fund raising and membership.

Education

BS, University of Florida, 1966

MS, Purdue University, 1967

Ph D, Université de Sciences et Techniques de Lille, France, 1982 (*summa cum laude*)

Doctor of Humane Letters (h.c.): Saint Leo University, 2009

Board Memberships

- Alliance in Reconstructive Surgery (AiRS) Foundation, Founding Member
- Friends of the Fort Lee Film Commission (Barrymore Film Center)
- NARAL ProChoice America, Member; Former Board Member and Board Chair

Professional Affiliations

- International Society for Eye Research – Member
- ISHAS – International Society for Hyaluronan Sciences – Founding Member
- American Chemical Society – Member
- Executive Women of NJ – Member

Honors/Awards

- 1998: Executive Woman of New Jersey, Salute to the Policy Makers Honoree
- 2002: Purdue University School of Science, Distinguished Alumnus Award
- 2003: Mikey Award, Department of Biology Purdue
- 2003: Girl Scouts of New Jersey Trefoil Award
- 2003: Honorary Boiler Maker Award, Purdue University
- 2004: Graduating Class of 2004 Commencement Address, St. Leo University
- 2009: Doctor of Humane Letters, St. Leo University

PUBLICATIONS

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DeRousseau, C.J., Rawlins, R.G. and Denlinger, J.L. (1983). Aging in the musculoskeletal system of rhesus monkeys: I. Passive joint excursion. *Am. J. Phys. Anthro.* 61, 483-494.

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