

Executive Summary - CV of Allen Reichler

- Acting Vice-President of Product Development, MetriGenix Corp.(now Xceed Molecular) from June 2005 to June 2006 responsible for all aspects of product development from proof of principle to pre-production prototypes.
- Principal in Catalyst Consulting from February 1996 to present.
Primary activity, high-level review and reporting on start up biotech companies.
- Manager of System Design, DNA Diagnostics at Becton Dickinson from April 1992 to January 1996. Developed and delivered to pilot production all hardware, software and consumables for the company's fully automated DNA diagnostic instrument.
- From 1992 to 2000 was a partner and member of the Board of Directors of Genetic Models Inc.
- From December 1988 until assuming position at Becton Dickinson, was part of a bankruptcy turn-around team for American Monitor Corporation; holding various positions from consultant to Vice President of Research and Development.
- Served as a consultant to Endotronics, a manufacturer of mammalian cell culture equipment, from March 1988 to May 1989. Key responsibilities were reestablishing the company's position in cancer bio-therapy and developing additional hardware and a patented process for improved nutrient and dissolved gas exchanges.
- From January 1986 to January 1988 was Director of Engineering at Kallestad Diagnostics transforming the company from a reagent manufacturing organization to a systems company.
- Project Manager at Abbott Laboratories from July 1977 to January 1986; a key member of the team which developed one of the pioneering ventures into automated microbiology.
- From January 1966 to June 1977 held various research and engineering management positions at Technicon Corporation.
- Mr. Reichler has authored several publications and holds ten patents.
- Earned a Bachelor's degree in Biology from Hofstra University.

PROFESSIONAL EXPERIENCE:

MetriGenix Corp. Toronto, ON, Canada June 2005 – June 2006
Acting Vice-President of Product Development, MetriGenix Corp. (now Xceed Molecular) responsible for all aspects of product development from proof of principle to pre-production prototypes. Duties included managing all aspects of system engineering as well as chemistry development and initial production of consumables.

Catalyst Consulting Austin, TX Feb. 1996 Present
Principal High level technical and senior management consulting to start up biotech companies

Becton Dickinson (BDDIS) - Baltimore, MD Apr. 1992 - Jan. 1996
Manager of System Design. Reporting to Vice-president of DNA Business Unit.

- Joined project at inception and spent first year at Research Center (in Research Triangle Park, NC) planning system.
- Transferred system development to Baltimore.
- Created multi-disciplinary engineering team (over next 3 years) to meet needs of project.
- Developed breadboard for chemistry development group in first year.
- Produced prototype in year 2.
- Released product to pilot production in year 3.
- Responsibilities included design of all hardware, software and consumables.
- Outsourced appropriate designs to keep team to core competency size.

AM Diagnostics - Indianapolis, IN Dec. 1988 - Mar. 1992
Vice-president of R&D. Reporting to President. Feb. 1990 - Mar. 1992
Responsible for a multi-disciplinary R&D organization of 33 engineers, chemists and immunologists with an annual budget of approximately \$3 million.

- Designed and developed the ISP1000, a \$150,000 high speed random access chemistry analyzer for the worldwide marketplace introduced in the summer of 1990.
- Concurrently adapted the ISP1000 for the worldwide industrial water testing marketplace as the Aqua 800.
- Responsible for technical assessment and initiation of 2 additional new products.
- Reorganized documentation for improved GMP and a reduction in the time needed to launch new products.

Director of Clinical Chemistry, Immunodiagnostics, Chemical QC and Regulatory Affairs. Reporting to President. May 1989 - Feb. 1990

- Directed 9 person Chemical R&D Group with a \$1 million budget responsible for development of both tracers and antibodies for 20 FPIA assays (11 completed).
- Managed 4 person Clinical Chemistry Department tasked with product improvement and investigation of field complaints.
- Redirected focus of Chemical QC department toward zero defect program.
- Secured and directed a \$1.3 million State funded project involving the development of the next generation clinical chemistry analyzer.

Consultant. Reporting to CEO. Dec. 1988 - May 1989

Genetic Models, Inc – Indianapolis, IN 1992 – 2000
Partner and member of the Board of Directors

Endotronics - Coon Rapids, MN Mar. 1988 - May 1989
Consultant. Reporting to Vice-president of R&D.

Project Manager for the development of mammalian cell culturing device for the production of LAK cells using hollow-fiber technology.

- Developed a unique flow path improving oxygenation and waste removal as well as minimizing the use of IL-2 and human serum.
- Set up and monitored clinical trials in the USA and monitored those in Japan. Wrote business plan which was used as a model to start a separate business.
- Coauthored a funded SBIR grant proposal for a Phase I project which was subsequently funded as a \$1/2 million Phase II project.

Kallestad Diagnostics - Chaska, MN

Jan. 1986 - Jan. 1988

Director of Engineering. Reporting to Vice-president of R&D.

- Established R&D engineering organization of 10 people.
- Set up \$2.5 million department budget. Negotiated and directed efforts of 2 outside consulting firms.
- Interfaced with chemists and marketing personnel to establish system design goals for an automated immunodiagnostic instrument.
- Delivered a fully automated engineering model for immunochemistries in under a year.
- Responsible for the final engineering and production design of the QM300, a fully automated nephelometric immunoassay system.
- Set up ECO and parts numbering systems for Engineering.
- Developed a company-wide document control system.

Abbott Laboratories - Irving, TX

Jul. 1977 - Jan. 1986

Microbiology Business Unit. Reporting to Business Unit Manager.

Managed various projects from inception to product launch.

- A-Just Turbidity Meter.
- Turbidimetric LAL analysis for the presence of gram negative bacteria.
- Automated Serum Bioassay for aminoglycosides.
- Urine screening application for the MS-2 system.
- Developed MS-2 research capabilities.
- Trained end users, in their facilities, and set up in-house training for research system.
- Chaired ECO board.
- Coordinated and managed long-range annual strategic planning cycle for microbiology business unit.
- Coordinated corporate "GO" fund program (small research grants to outside researchers).

Technicon Corporation - Tarrytown, NY

Jan. 1966 - Jun. 1977

- Senior Life Scientist. Involved with a corporate research group responsible for developing the next generation of AutoAnalyzers. This project later became CHEM1 and the RA1000 systems.
- Manufacturing Engineer. Facilitated introduction of the Technicon SMAC System into the marketplace. Responsible for manufacturing techniques for electro-chemistry devices including setting up an assembly line in Technicon's Puerto Rico facility.
- Section Manager. SMAC Program. Responsible for the development of the total hydraulic package, SMAC flow cells, reagent wash valves and dialyser blocks.
- Section Head. Responsible for development of Lymphocyte Separator, Complement Fixation System, Antibody Screening and Cross Matching System, Immunoprotein System, and Technicon Automated Susceptibility System (TASS).
- Task Group Leader. SMA 6/60.

Roswell Park Memorial Institute - Buffalo, NY

1963 - 1966

EDUCATION: B.A. Biology, Hofstra University, 1963

PATENTS: 10 issued (see attached list)

PUBLICATIONS & ARTICLES: 7 (see attached list)

PATENTS:

U.S. Patent #3,527,101
Sprunger, E.A. & Reichler, A.S.
Sampler for Chromatography Column

U.S. Patent #3,572,996
Reichler, A.S. & Kling, N.G.
Analytical Chromatography Column Monitoring System

U.S. Patent #3,742,194
Caruso, S.; Isenberg, H.D.; Reichler, A.S. & Wiseman, D.F.
Method and Apparatus for Providing Direct Real-Time Determination of a Particulate Population

U.S. Patent #3,772,154
Isenberg, H.D.; Reichler, A.S. & Wiseman, D.F.
Method and Apparatus for Automated Antibiotic Susceptibility Analysis of Bacteria Samples

U.S. Patent #4,121,466
Reichler, A.S. & Diebler, H.G.
Liquid Dispenser with an Improved Probe

U.S. Patent #4,198,484
Reichler, A.S. & Swaton, L.E.
Cuvette Ampule for Use with Automatic Analyzer Apparatus

U.S. Patent #5,202,254
Amiot, Banas, Reichler & Waniger
Process and Apparatus for Improving Mass Transfer in a Membrane Bioreactor and Providing a More Homogeneous Culture Environment

U.S. Patent #5,512,440
Down, Keating, Walters, Robson, Reichler
Process for Lysing Mycobacteria

U.S. Patent # 5,578,270
Antol, Bourdelle, Hilderbrand, Reichler
System for nucleic acid based diagnostic assay

U.S. Design Patent #257,394
Reichler, A.S.
Ampule Cuvette

PUBLICATIONS & ARTICLES:

Ertingshasen, G.; Adler, H.J.; Reichler, A.S. & Kinnard, N.
Fully Automated High-Seed Ion-Exchange Chromatography of Amino Acids
Advances in Automated Analysis, Technicon International Congress 1969
Volume I, Clinical/Research
Mediad Inc., NY 1970

Gommi, B.W.; Reichler, A.S.; Giibson, J.E.; Campagna, G.M. & Peoples, J.C.A.
Dual Channel Red Blood Cell Antibody Screening by Cell Counting
Advances in Automated Analysis, Technicon International Congress 1970,
Volume I, Clinical Analysis
Thurman Associates, FL 1971

Reichler, A. & Wiseman, D.
System Specifications and Operating Procedure for a Fully Automated Antibiotic Susceptibility Test
ibid.

Isenberg, H.D.; Reichler, A. & Wiseman, D.
Prototype of a Fully Automated Device for Determination of Bacterial Antibiotic Susceptibility in the
Clinical Laboratory
Applied Microbiology, Volume 22, #6, December, 1971, pp. 980-6

Jorgensen, J.H. & Reichler, A.S.
Automation of Limulus Amoebocyte Lysate Pyrogen Testing
Presented at 35th Annual Meeting, Parenteral Drug Association
November 4-6, 1981, New Orleans, LA

Fukui, G.M.; Spencer, H.J.; Williams, L.R.; Reichler, A. & Jorgensen, J.
The Effect of Salicylates on an Growth Inhibitory Factor in Human Serum
Presented at 1981 ASM Meeting

Lamos, M.; Reichler, A.; Bourdelle, P.; Antol, D. & Hildebrand, S.
An Automated System for Detection of Mycobacteria
Presented at 7th European Congress of Clinical Microbiology & Infectious Diseases
March, 1995, Vienna, Austria