



William L. Fodor, Ph.D.
Cell Therapy Group

236 Wildcat Road, Madison, CT 06443

mobile 203.605.8103 email wfodor@celltherapygroup.com

PROFILE

Over 20 years of research, management, training and consulting experience in academia and the Biotechnology Industry. A broad scientific background that spans many biologic systems with an emphasis on novel product development for the health care industry.

EDUCATION

- 1981 B.S Genetics, Ohio State University, Columbus, Ohio
- 1988 Ph.D. Molecular Genetics, Ohio State University, Columbus, Ohio
Thesis: Molecular Analysis of Human Myosin Alkali Light Chain Genes
- 1988 Post Doctoral Research Training, Biogen, Inc., Cambridge, MA.
Gene Regulation of mouse and human MHC Class I and Class II Genes
Mentor: Dr. R. A. Flavell
- 1992 Post-Doctoral Research Training, Yale University School Medicine, New Haven, CT
Gene Regulation of mouse and human MHC Class I and Class II Genes
Mentor: Dr. R. A. Flavell

EXPERIENCE

2010-present. Cell Therapy Group, Director Translational Sciences

Vancouver, BC

Consulting services for the Stem Cell industry. Specializing in:

- translational sciences
- animal modeling and experimental design for a wide variety of biologic processes
- technology evaluation
- cell manufacturing
- stem cell biology
- assay development,
- tissue engineering
- Business development services include, identification of corporate synergies and partnering opportunities

2008-present. Glygenix Therapeutics, Inc., Chief Science Officer.

Woodbridge, CT

Glygenics Therapeutics, Inc. is a biopharmaceutical company developing gene products for curing glycogen storage diseases.

- Direct all research programs that are focused on restoring normal liver metabolism
- Design and oversee PoC animal studies in models of glycogen storage diseases
- Oversee corporate and academic collaborations
- Preparing and structuring the business plan, fund raising and grant writing.

2008-present. bio*LOGICAL, LLC., *President & Founder.*

Madison, CT

Consulting services for the biotechnology and pharmaceutical industries.

Specializing in:

- translational sciences
- technology evaluation
- animal modeling and experimental design for a wide variety of biologic processes
- transgenic animal engineering
- recombinant protein production
- cell manufacturing
- stem cell biology
- assay development,
- tissue engineering
- gene therapy
- Business development services include, identification of corporate synergies and partnering opportunities, establishing corporate alliances and transactions, business plan evaluation and fund raising strategies.

2006-2008. ViaCell, INC., *Sr. Director of Product Development.*

Cambridge, MA

Directed the Stem Cell Research Group, Process Development Group and the cGMP Clinical Production Cell Manufacturing Team.

- Product pipeline included cell based therapies in the areas of hematopoietic reconstitution, immune modulation, cardiac repair and diabetes.
- Managed a Process Development Team that developed a Hematopoietic Stem Cell manufacturing process for a Phase I clinical trial
- Managed basic science of umbilical cord blood stem cell research
- Scientific liaison for a corporate collaboration between ViaCell, J&J and the Texas Heart Institute for developing a stem cell therapy for cardiac repair
- Directed diabetes stem cell research program
- Managed external collaborations in basic stem cell research, animal model development as well as pivotal pre-clinical large and small animal safety and efficacy studies.
- Pre-IND FDA discussions
- IND preparation
- Oversight of cGMP facility
- Directed Clinical Manufacturing Team for production of clinical grade stem cells
- Manuscripts and invited presentations
- Due diligence on various new technologies, corporate development projects and licensing opportunities.
- Involved in fund raising efforts and presentations to Venture Capital firms

2002-2005. University of Connecticut, Associate Professor

Storrs, CT

Associate Professor in the Center for Regenerative Biology and Department of Molecular Cell Biology.

- Research Projects in stem cell differentiation as it applies tissue engineering, transplantation immunology, transgenic animal and cloning, stem cells as bioreactors.
- Teaching responsibilities included an undergraduate genetics course and graduate biotechnology courses.
- Stem cell and transgenic research programs with applications for spinal cord injury, cartilage repair, immune modulation
- Mid-scale recombinant protein production Ig fusion protein for immunotherapeutics
- Served on several institutional committees, Research Advisory Committee, Institutional Animal Care and Use Committee
- Undergrad and graduate level classroom and laboratory instructor
- Grants and manuscripts

1992-2002. ALEXION Pharmaceuticals, Inc., Senior Director

Cheshire, CT

Original founding scientists. Directed a program dedicated to the development of cell based therapies for several tissue engineering applications, basic immunology and transgenic research programs that spanned many disciplines including, immunology, molecular biology, neurobiology, transgenic technology, enzymology, and transplantation.

- Founding Scientist
- Executive management team
- Directed a state of the art large animal transgenic and cloning research farm
- Construction team member for cGMP pilot manufacturing facility
- Developed novel manufacturing process for transgenic cell therapy
- Directed internal and external scientific programs
- Fund raising through grants and corporate relationships
- Scientific liaison with corporate collaborations
- Member of Scientific Advisory Board for Biotechnology Research Development Corp.
- Member of Board of Directors for Biotechnology Research Development Corp.
- Patent filings
- Manuscripts and invited presentations

PUBLICATIONS and INVITED PRESENTATIONS

Author on over 50 publications, including peer reviewed journal articles, reviews and book chapters. Several publications in top rated journals, such as Nature Medicine, Nature Biotechnology, and Proceedings of the National Academy Sciences demonstrating a high quality scientific investigation, experimental design, data analyses and written communication skills. An invited speaker at over 20 domestic and international meetings with a proven track record of high quality oral communication skills through meeting presentations as well as through collegiate instructional experience.

APPOINTMENTS, COMMITTEES & AFFILIATIONS

A member of several scientific associations and societies, including AAAS, American Diabetes Associations, International Cell Therapy Society, American Society for Neural Therapy and Repair. Served on several committees, both academic and industrial, and was a member of the Scientific Advisory Board as well as a Board Member for the Biotechnology Research and Development Corporation.

PATENTS & PATENT APPLICATIONS

Inventor on 3 issued patents and several patent applications that include novel molecule design, methods of altering gene expression and methods to enhance engraftment of transplanted cells, tissues, and organs, demonstrating the ability to create and implement novel ideas.

RESEARCH GRANTS

Principal Investigator or Co-PI on 10 funded grants from institutional, non-profit foundations, and government agencies raising approximately 10 million dollars for various research initiatives. Successful completion of the proposed scientific goals demonstrates the ability to design, execute and complete research programs.

CORE TECHNICAL SKILLS & AREAS OF EXPERTISE

- **Basic Science Research**
 - Molecular Biology & Genetic Engineering
 - Transgenic Animal Engineering
 - Cellular, Humoral and Molecular Immunology
 - Transplantation & Transplantation Immunology
 - Transplantation Histopathology
 - Stem Cell Isolation
 - Stem Cell Biology, characterization, differentiation and transplantation
 - Animal Models of Human Disease
 - Grants and Publications
- **Process Development and Assay Development**
 - Recombinant Protein Production
 - Mammalian cell
 - Ig fusion proteins
- Epitope fusion proteins
- Bacterial fermentation
 - Phage libraries
- Mammalian Cell Isolation, Processing and Expansion
- Cell Characterization and Differentiation
- Component Cost Analysis
- **Clinical Manufacturing**
 - SOP and Batch Record Controls
 - Clean Room Facility Oversight
 - Raw Material Sourcing
 - Clean Room Mammalian Cell cGMP Production
 - Cell Packaging and Cryopreservation
 - Production Cost Analysis

- **Program and Project Management**
 - Project Design, Objectives and Timelines
 - Personnel Requirements and Budget Projections
 - Team Management
- **Investigational New Drug Application**
 - Chemistry, Manufacturing and Controls
 - Pre-Clinical Pharmacology, Toxicology and Biocompatibility
 - Pharmacokinetic study design
 - Biodistribution
- **Management of External Collaborations**
 - Corporate
 - Academic
- **Business Development and Technology Evaluation**
 - New Technology Opportunities
 - Scientific Evaluation and Due Diligence
 - Feasibility and Cost Analysis
 - Facilitation of Corporate Alliances and Transactions
 - Fund raising

References and supplemental information on publications, awards, and patents is available upon request.