

**Keith Everett**

Director, Process Design and Research at Biolex Therapeutics  
Biotechnology

<http://www.directoryinventor.com/profile/view/VlhEJUrp>

## Experience

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### Director, Process Design and Research

#### Biolex Therapeutics

Privately Held; Biotechnology  
January 2005 - Present

Director, Process Design and Research, 2005 - 2009 Conceived and designed the proven Biolex Therapeutics LEX system upstream production system. Lead designer, inventor, and project engineer, for the Biolex proprietary closed aseptic disposable upstream production system. Tech Transfer Lead for moving the process into production. Project lead for the creation/implementation of enhancements to our current biopharmaceutical production system. Successfully created the hardware and processes that will take Biolex to pilot and manufacturing scale production levels. Responsible for scaling strategy R&D, future hardware and process recursive optimization, automated process design and development, and plant growth hardware optimization including LED research. Technical lead on all intellectual property issues related to upstream production and automation patents and applications. While at Biolex, Keith authored multiple published patents, current patent applications, and invention disclosures.

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### Director of Automation

#### Biolex Therapeutics, Inc

Biotechnology  
January 2000 - January 2005

Responsible for creation of a novel automated plant based high throughput screening system based on a modified TECAN liquid handler platform. Created an unprecedented automated plant growth maintenance system for use in screening and propagating the Lemna platform. Directed the team responsible for integrating automated system hardware and required biological components. Modified and programmed liquid handlers for use in asymmetric processes for non-standard applications as required for the Lemna sp. platform. Responsible for the conception, design, and fabrication of preliminary upstream production system components. Served as a member of the Biolex Executive Committee.

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### Senior Project Engineer

#### GlaxoSmithKline

10,001+ employees; Public Company; Pharmaceuticals  
January 1996 - January 2000

Directed 12 engineers and was directly responsible for GMP compliance of analytical and development instrumentation for all RTP campuses in and around the Moore Drive Facility. Consulted

on R&D automation projects and process design projects. Conceived, developed, and implemented tech transfer education program, HPLC operation techniques course, electronics basics for technical resources.

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## **President and Senior Engineer**

### **Alphatech Research Services**

Industrial Automation

January 1994 - January 2000

Created and operated a private consulting firm primary assisting government and private laboratories with automation and equipment related issues. Consulted as an instrument broker and a process design consultant. Intellectual Property and Publications Issued Patents (does not include foreign patents):

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## **Director, Molecular Genetics Core Facility**

### **North Carolina State University Genetics Department**

Biotechnology

January 1984 - April 1994

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## **Education**

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### **North Carolina State University**

Biology

1974 - 1981

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## **Patents (16)**

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### **Aseptic bioreactor system for processing biological materials**

Keith Everett, Lynn F Dickey

August 19, 2010: 20100209966-A1

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### **Plate and method for high throughput screening**

Keith Everett

May 1, 2008: 20080098585-A1

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### **Plate and method for high throughput screening**

Keith Everett

May 1, 2008: 20080102518-A1

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### **Plate and method for high throughput screening**

Keith Everett

April 24, 2008: 20080096269-A1

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## **Plate and method for high throughput screening**

Keith Everett

April 24, 2008: 20080096272-A1

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## **Plate and method for high throughput screening**

Keith Everett

April 24, 2008: 20080096270-A1

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## **Plate and method for high throughput screening**

Keith Everett

February 5, 2008: 07326385

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## **Bioreactor for growing biological materials supported on a liquid surface**

Keith Everett, Eugene Johnston

May 24, 2007: 20070113474-A1

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## **Bioreactor for growing biological materials supported on a liquid surface**

R Edward Branson, Keith Everett, Bob Hester, Timothy B Vickers

May 3, 2007: 20070094926-A1

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## **Bioreactor for growing biological materials supported on a liquid surface (15 worldwide citation)**

R Edward Branson, Keith Everett, Bob Hester, Timothy B Vickers

February 13, 2007: 07176024

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[View all \(16\)](#)