Newsletter Instruction Sheet BioPharm International eBulletin

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#### Subject Line: [Grünenthal, Mesoblast Partner on Innovative Cell Therapy for Chronic Low Back Pain](http://www.biopharminternational.com/gr-nenthal-mesoblast-partner-innovative-cell-therapy-chronic-low-back-pain); [Passage Bio Establishes New Gene Therapy Development Program for Nerve Disorder](http://www.biopharminternational.com/passage-bio-establishes-new-gene-therapy-development-program-nerve-disorder-0)

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**Top Stories**

#### Headline with link: [Grünenthal, Mesoblast Partner on Innovative Cell Therapy for Chronic Low Back Pain](http://www.biopharminternational.com/gr-nenthal-mesoblast-partner-innovative-cell-therapy-chronic-low-back-pain)

**Summary with Read More link:** The companies will develop and commercialize a Phase III cell therapy candidate for treating chronic low back pain in a deal worth potentially $1 billion.

**URL:** http://www.biopharminternational.com/gr-nenthal-mesoblast-partner-innovative-cell-therapy-chronic-low-back-pain?topic=361,330,371

**Headline with link:** [Passage Bio Establishes New Gene Therapy Development Program for Nerve Disorder](http://www.biopharminternational.com/passage-bio-establishes-new-gene-therapy-development-program-nerve-disorder-0)

**Summary with Read More link:** Passage Bio has licensed a sixth gene therapy development program under its partnership with the University of Pennsylvania for the clinical development of a potential treatment for a nerve disorder.

**URL:** http://www.biopharminternational.com/passage-bio-establishes-new-gene-therapy-development-program-nerve-disorder-0?topic=371,330,361

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**Industry News**

Headline with link: [GSK Announces First Biologic for the Treatment of Eosinophilic Asthma in Pediatric Patients](http://www.biopharminternational.com/node/384554)

**Summary with Read More link:** FDA approved the drug after a successful open-label study of children aged six to 11 years and living with the condition.

**URL:** http://www.biopharminternational.com/node/384554?topic=361,323

Headline with link: [GE Healthcare to Partner with NIBRT for Biopharma Education Program](http://www.biopharminternational.com/ge-healthcare-partner-nibrt-biopharma-education-program-0)

**Summary with Read More link:** The companies plan to create a new curriculum focusing on single-use applications training, cell therapy technology, process efficiency strategies, process development methodologies, and chromatography proficiency.

**URL:** http://www.biopharminternational.com/ge-healthcare-partner-nibrt-biopharma-education-program-0?topic=327,330

More Industry News

<http://www.biopharminternational.com/autolist/38/more>

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**Biopharma News**

Headline with link: [Collaboration Aims to Drive Commercialization of Next-Generation Therapies](http://www.biopharminternational.com/collaboration-aims-drive-commercialization-next-generation-therapies)

**Summary with Read More link:** TrakCel and McKesson have formed a collaboration that is aimed at accelerating commercialization of cell and gene therapies by leveraging services to enable a more efficient development pathway.

**URL:** http://www.biopharminternational.com/collaboration-aims-drive-commercialization-next-generation-therapies?topic=371,327,330

Headline with link: [IRBM Signs Agreement with MD Anderson Cancer Center for MAb Development](http://www.biopharminternational.com/irbm-signs-agreement-md-anderson-cancer-center-mab-development)

**Summary with Read More link:** The organization will utilize the cancer center’s Research for Biologics and Immunotherapy Translation platform for the development of therapeutic monoclonal antibodies against a novel immune checkpoint target.

**URL:** http://www.biopharminternational.com/irbm-signs-agreement-md-anderson-cancer-center-mab-development?topic=330

More Biopharma News <<http://www.biopharminternational.com/taxonomy/term/1995>>

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**Supplier News**

Headline with link: [Bayer Licenses GlymaxX Antibody Technology from ProBioGen](http://www.biopharminternational.com/bayer-licenses-glymaxx-antibody-technology-probiogen-0)

**Summary with Read More link:** Bayer will use ProBioGen’s GlymaxX technology to maximize the potency of its antibody drug candidate in development for oncological indications.

**URL:** http://www.biopharminternational.com/bayer-licenses-glymaxx-antibody-technology-probiogen-0?topic=361,371,323

Headline with link: [ABEC Launches 6000-L Single-Use Bioreactor](http://www.biopharminternational.com/abec-launches-6000-l-single-use-bioreactor)

**Summary with Read More link:** The company’s Custom Single Run product line now has available bioreactors with working volumes of up to 6000 L.

**URL:** http://www.biopharminternational.com/abec-launches-6000-l-single-use-bioreactor?topic=384,323,385

More Supplier News <http://www.biopharminternational.com/taxonomy/term/32109>

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**Regulatory News**

Headline with link: [Adverse Event Reporting for Compounded Drugs](http://www.biopharminternational.com/adverse-event-reporting-compounded-drugs-0)

**Summary with Read More link:** FDA issued a statement about the importance of reporting adverse events resulting from the use of compounded drugs.

**URL:** http://www.biopharminternational.com/adverse-event-reporting-compounded-drugs-0?topic=333,337,335,381

Headline with link: [Xeris Pharmaceuticals Gets FDA Nod for Liquid Glucagon](http://www.biopharminternational.com/xeris-pharmaceuticals-gets-fda-nod-liquid-glucagon)

**Summary with Read More link:** Xeris Pharmaceuticals has received FDA approval for GVOKE (glucagon), a liquid glucagon for treating hypoglycemia.

**URL:** http://www.biopharminternational.com/xeris-pharmaceuticals-gets-fda-nod-liquid-glucagon?topic=337,334

More Regulatory News <http://www.biopharminternational.com/regulatory-authority-actions>

**FEATURE TOPICS**

UPSTREAM PROCESSING

<http://www.biopharminternational.com/taxonomy/term/2737>

Headline with link: [Cell-Culture Advances Test Bioreactor Performance Models](http://www.biopharminternational.com/node/384057)

**Summary with Read More link** The evolution of cell-culture technology is driving the need for improvements in modeling solutions.

**URL:** http://www.biopharminternational.com/node/384057?topic=387,316,323,302

QUALITY

<http://www.biopharminternational.com/taxonomy/term/2493>

Headline with link: [Best Practices for Studying Stability in Biologics](http://www.biopharminternational.com/node/383942)

**Summary with Read More link** Industry experts discuss the challenges and regulations of setting up a CGMP-compliant stability testing program.

**URL:** http://www.biopharminternational.com/node/383942?topic=333,335,337

ANALYTICAL METHODS
<http://www.biopharminternational.com/taxonomy/term/2792>

Headline with link: [Improving Oligonucleotide Analysis](http://www.biopharminternational.com/node/384315)

**Summary with Read More link** Oligonucleotides, which are classified as both small molecules and biomolecules, pose unique analytical challenges. High-resolution mass spectrometry is becoming a method of choice for their development.

**URL:**  http://www.biopharminternational.com/node/384315?topic=383

OUTSOURCING

<http://www.biopharminternational.com/taxonomy/term/2051>

Headline with link: [Biologics Continue to Grow and Create Outsourcing Opportunities](http://www.biopharminternational.com/node/383959)

**Summary with Read More link:** CDMOs are adding facilities and services to their portfolios in anticipation of the biologics industry’s continued growth.

**URL:** http://www.biopharminternational.com/node/383959?topic=381

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**Events**

**[PDA Data Integrity Workshop](http://www.pharmtech.com/pda-data-integrity-workshop?__hstc=126692114.e0f53ae3eb3135be85d81ed5ba7ae62b.1557928684893.1561562437940.1561747150022.92&__hssc=126692114.8.1561747150022&__hsfp=1517700082)**

URL: http://www.pharmtech.com/pda-data-integrity-workshop

September 18­­–19, 2019

[**American Pharma Outsourcing Summit**](http://www.pharmtech.com/american-pharma-outsourcing-summit-4)

URL: http://www.pharmtech.com/american-pharma-outsourcing-summit-4

September 23­­–24, 2019

[**Wearable Injectors and Connected Devices Conference 2019**](http://www.pharmtech.com/wearable-injectors-and-connected-devices-conference-2019)

URL: http://www.pharmtech.com/wearable-injectors-and-connected-devices-conference-2019

October 9­­–10, 2019

More Events <http://www.biopharminternational.com/events>

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**eBook**

**Single-Use Systems 2019 eBook**

The editors examine the technology, practices, and regulatory approval questions facing

companies employing single-use technologies for commercial manufacturing.

<http://findpharma.hs-sites.com/single-use-systems-2019>

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