



In Pursuit of Your Success

In This Issue:

**Featured: Lupus
Animal Models**

News & Updates

Industry Insights

BioDuro Solutions

Industry Insights

**Two-thirds of
Pharmaceutical
Manufacturing is
Outsourced, ISR
Reports (Source:**

**Outsourcing-
Pharma)**

January 2017

**To our valued clients, partners,
peers, and friends,**

Thank you for your support, which made our progress in 2016 possible. We hope that the new year is off to a strong start, and want to welcome you to the latest edition of the BioDuro Newsletter. Enjoy the news and updates, and if you would like to stay informed on the latest proceedings at BioDuro, feel free to subscribe!

Featured News: Lupus Animal

Models

Systemic lupus erythematosus (SLE) is an autoimmune inflammatory disease of unknown etiology, and for which approved therapies are inadequate.

Lupus animal models are an important platform for compound screening and efficacy validation for discovery and development of treatment drugs. Both pristane-induced lupus and spontaneous MRL/Ipr lupus mice are well established lupus animal models for in vivo compound efficacy validation and target engagement MoA studies. Take an in-depth look at these two BioDuro lupus animal models:



[MRL/Ipr Lupus Model](#)

[View Data Sheet](#)

[Pristane Induced
Lupus Model](#)

[View Data Sheet](#)

A comprehensive map of molecular drug targets
(Source: Nature Reviews Drug Discovery)

UTA researchers to develop faster, cheaper methods to synthesize chemical compounds used in drug discovery, development
(Source: University of Texas Arlington)

Investigational new drug for Alzheimer's scheduled for first study in humans
(Source: Vanderbilt University)

Researchers Reveal 3D Structure of Cell's Inflammation Sensor and its Inhibitors
(Source: UC San Diego Health)

**BioDuro
Solutions**

Discovery

Chemistry

Biology

DMPK

Pharmacology

Oncology

Development

Analytical

Preformulation

Formulation

Manufacturing

Drug Product
Manufacturing

Release and
Stability Testing

Clinical Storage
and Distribution

Quality and
Compliance

BioDuro Increases Spray Dried Drug Product Manufacturing Capacity

The addition of an SPX Anhydro MicraSpray 150 increases the capacity to support pilot scale development and manufacturing projects. [Read more.](#)



Changing Needs in the Analytical Services Market

To meet industry needs for high-quality, rapid, cost-effective testing services, BioDuro is now offering clients an enhanced strategy to access its extensive analytical expertise for discovery, formulation, development and manufacturing support. [Read more.](#)



BioDuro Completes Infrastructure Expansion in Shanghai

The expansion includes additional capacity to accommodate 130 additional chemistry and biology staff for its integrated drug discovery and development programs and to enable rapid scale-up for process chemistry. [Read more.](#)



BioDuro is a global provider of contract research, development and manufacturing outsourcing solutions. Pharmaceutical, biotechnology and virtual companies are offered a comprehensive array of scientific services spanning the drug discovery and development continuum. Our precise balance of scientific rigor and flexibility enables fast, informed decision-making and maximizes the chances of success at every stage of any project.

[Visit our website](#)

<http://www.bioduro.com>

11011 Torreyana Rd
San Diego, CA 92121



Copyright © 2016. All Rights Reserved.