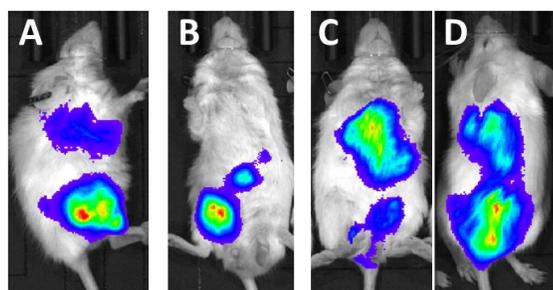




New – Optimized Breast Adenocarcinoma Model

Noble Life Sciences has optimized a xenograft model of the triple-negative MDA-MB-231 human breast adenocarcinoma in NCG mice. NCG mice have a very high take rate for MDA-MB-231 cells, making them the ideal host for the *in vivo* propagation of these tumor cells.

The model can be used to study metastatic disease with luminescent imaging for non-invasive tracking of metastatic lesions over time using the Perkin Elmer IVIS imager. These images show metastatic lesions in mice inoculated A) subcutaneously, B) orthotopically in the mammary fat pad, or C,D) intravenously (supine and dorsal view) on day 45 post cell transfer. [Read More >>](#)



Noble's optimized xenograft models using human cancer cell lines enable *in vivo* efficacy testing of oncology therapeutics. Our cancer xenograft models can be customized to meet your objectives.

- Applications: Determination of ideal drug dosing, treatment schedules, and routes of drug administration that maximize anti-tumor efficacy and therapeutic window
- Options: Ectopic or orthotopic
- Mice: Immunodeficient mice, e.g., athymic (nude) or severe immune deficient (SCID) mice
- Model Read-Outs: Body weight, palpable tumor size, tumor growth delay, tumor growth inhibition, survival, whole body luminescent imaging, presence of metastatic lesions, organ dissection and luminescent imaging endpoint [Read More >>](#)

Noble Life Sciences offers additional murine models for the development of potential new oncology vaccines, drugs and immunotherapies including:

- Syngeneic Models
- Metastatic Models
- Leukemia Models

More information on our preclinical oncology drug development services [>>](#)

Live Animal Imaging

Gain simultaneous insights into the efficacy, kinetics, target and mechanism of action of your oncology drug candidate non-invasively.

- Monitor and quantitate tumor growth and treatment longitudinally.
- See how tumors respond to treatment in animal models from molecular, functional, and anatomical perspectives.

The IVIS Lumina LT III is designed for *in vivo* imaging with both fluorescent and bioluminescent reporters that emit from green to near-infrared. The field of view allows the imaging of up to five mice or two medium size rats. Animal handling features include a heated stage, gas anesthesia and ECG monitoring connections. [Read More >>](#)

About Noble Life Sciences

Noble Life Sciences provides integrated GLP and non-GLP preclinical services designed to accelerate the development of new drugs and immunotherapies for the treatment of cancer. Services include pharmacology, disease models, early safety assessments, toxicology, custom polyclonal antibodies, cell line development, and analytical testing. We are committed to providing a strong scientific foundation to enable your preclinical decisions. Contact us to learn more about our services for the development of new oncology drugs and immunotherapies or visit www.noblelifesci.com

[Preclinical Drug & Vaccine Development](#) ♦ [Medical Devices](#) ♦ [Vivarium Services](#) ♦ [GLP & non-GLP](#)

October 2017 Newsletter