



Montana Molecular



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Company Profile

Industry Sector: Drug Discovery-Cell Signaling Reagents.

Company Overview: Montana Molecular has developed a suite of fluorescent biosensor-based assays for live cell discovery. Over 50 early adopters from academic, biotech and pharma labs have validated these assays, with new discoveries in a variety of cell types including pancreatic islet cells. Industry recognition includes Innovation of the Year finalist at SLAS in 2013, JALA Top Ten Innovations in 2013, and selection for the BIO Innovation Zone in 2015. The company has filed two patents describing innovations in GPCR assays.

Target Market(s): Pharma, Biotech, Academic, Government Labs

Key Value Drivers

Technology*: Our biosensors are used in drug discovery to interrogate physiologically-relevant range of **primary** cell cultures and characterize the signaling pathways activated by the drug. Each sensor uses a single fluorescent channel, and can be combined with sensors in other channels to simultaneously measure multiple pathways, providing preclinical information about bias, interactions, and adverse effects early in the discovery process.

Competitive Advantage: Biological insight into drug effects early in the discovery process in advance of animal and clinical trials. Ability to measure multiple components of signaling simultaneously.

Plan & Strategy: Expand direct sales to early adopters. Collaborate with pharma to validate utility in preclinical process. Recruit European and Japanese distributors to handle sales in foreign markets

Management

Leadership: Founders are scientists with a history of NIH and NSF funding, project management and peer-reviewed publications. Thom Hughes, Yale Medical School, former chair of Neuroscience at Montana State University. Dr Hughes currently serves on the scientific advisory board of HHMI's Janelia Farm. Founder Anne Marie Quinn has 25 years of experience in research (Salk Institute and Yale) and scientific product development (454, Accelrys, and Montana Molecular).

Scientific Advisory Board:

Lisa Minor - formerly Johnson and Johnson

Darrell Holmes - COO Bacterin

Len Pagliaro - Siva Technologies (formerly Fisher Scientific and BiImage)

Product Pipeline

1. GPCR -live cell assays, delivered with viral vectors, under specific promoter control.
2. Kinase assays with sub cellular targeting.
3. Transgenic animals.