

COOL COMPANIES

SPECIAL REPORT

Alberta's Nanotechnology

and **Advanced Materials**

100's of opportunities
to grow your business

Nanotechnology and Advanced Materials Companies

2008

By Claudia Sammer and Donald Rumball

Alberta is Canada's fastest growing nanotechnology and advanced materials cluster and home to some world-class innovator leaders in this space. As of May 2008 the cluster was 42 companies strong: 31 are active Alberta-based companies (profiles start p.10), 6 have corporate R&D programs in Alberta (p.34), and another 5 are not yet ready for publicity. Of the 37 companies profiled in this article, 20 are nano-based (54%), 13 are MEMS-based (p.6) and 4 have a composite or ceramic technology (p.8).

Neurosilicon

Revolutionary tool promises new insights to treating neurological diseases

Neurosilicon is developing a lab-on-a-chip device (pictured at right) that is sensitive enough to monitor and track how neurons in the brain interact. This could help to improve our understanding of many neurological diseases and enable the development of new treatments for brain disorders. The target market for Neurosilicon's products is the research community.

COMPANY: Neurosilicon Corporation, www.neurosilicon.com, 5 employees, founded 2005, University of Calgary spinoff, boot-strapped and angel-funded, product launch summer 2008, (no office address yet), Calgary, Alberta, 646.943.2169

PRODUCT: Device to track how neurons interact

GROWTH STRATEGIES: Seek marketing and distribution partners in Canada and around the world

CONTACT: Veer Gidwaney, Director and co-Founder, veer@neurosilicon.com, 646.943.2169

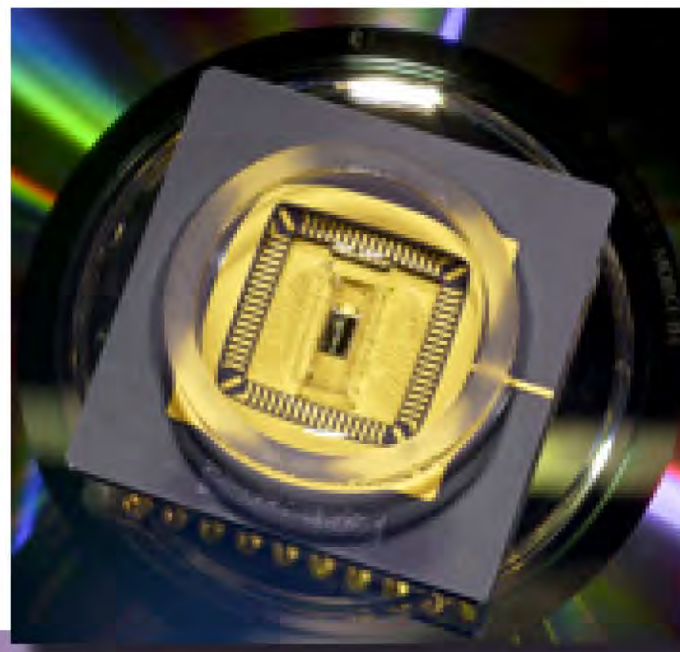


Photo credit: Neurosilicon Corporation

VisibleDust

World's #1 digital sensor cleaning products as rated by professional photographers

Digital DSLR cameras have completely replaced film cameras. Sometimes the image capturing sensors in digital cameras get dirty with a piece of dust and this dust starts to appear on photos. Since digital camera sensors are very delicate, they are easily damaged and their replacement can be as much as a new camera. To address this challenge, VisibleDust has created a line of products based on nanotechnology. One example is a special brush coated with permanently charged nanoparticles that attracts dust (pictured).

COMPANY: VisibleDust Inc., www.visibledust.com, 10 employees, founded 2004, revenue-funded, products sold worldwide, Suite 200, 56 Lincoln Park, Canmore, Alberta T1W 3E9, 403.678.6522

PRODUCT: Full range of products for cleaning sensors in digital cameras

GROWTH STRATEGIES: Seek research scientists

CONTACT: Dr. Fariborz Degan, CEO and Founder, tech@visibledust.com, 403.678.6522



Photo credit: VisibleDust Inc.



Photo credit: Emin Ozkan