

# Videos to be used along with this presentation

SAND2014-18041PE

## Already through R&A

- SAND Number: 2013-7281P - Industry Partnerships: UOP, A Honeywell Company
- SAND Number: 2013-7282P - New Mexico Small Business Assistance: Musicode Innovations
- SAND Number: 2013-7283P - Entrepreneurial Separation to Transfer Technology: Abbott Medical Optics (formerly WaveFront Sciences)

## In R&A

- Tracking Number: 155658 - Industry Partnerships: Aquila Technologies
- Tracking Number: 155523 - New Mexico Small Business Assistance: SAVSU Technologies
- Tracking Number: 155522 - Entrepreneurial Separation to Transfer Technology: HT Micro



# Technology Transfer at Sandia

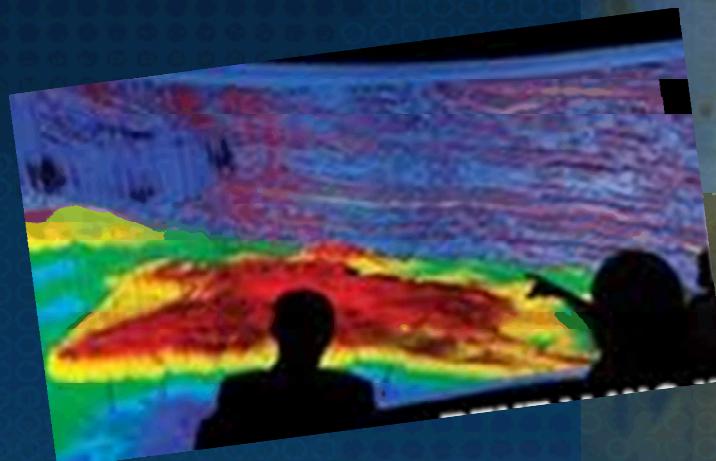
Pete Atherton, PhD  
Senior Manager, Industry Partnerships

UNM Economic Development Forum  
September 25, 2014

# *Sandia's Rich History of Tech Transfer*

## Laminar Flow Clean Room

- Microelectronics
- >\$50B worldwide



## Drill bit and microseismic technology

- Helping to unlock ~70 years' worth of natural gas resources

# *What is Tech Transfer?*

The process of transferring scientific findings from one organization to another for the purpose of further development and commercialization . . .  
 . . . for the public good.

Association of University Technology Managers  
[http://www.autm.net/Tech\\_Transfer.htm](http://www.autm.net/Tech_Transfer.htm)

# *Tech Transfer Takes Many Forms*

**Facilities**

**Collaborative research**

**Contract work**

**Use of inventions**

**Open transfer**

**Entrepreneurial leave**



# *New Mexico Small Business Assistance (NMSBA)*

NM Small Business Tax Credit Act

Up to \$2.4M per lab per year

NM small/start-up businesses

UNM, NMSU, NM Tech, and NM MEP

**Since its implementation in 2000:**

- **2195 businesses assisted**
- **3150 jobs created or retained**



# *General Atomics Aeronautical Systems Synthetic Aperture Radar*

High-resolution video images  
in all weather conditions

DOE Achievement Award

Supports nearly 700  
employees at General Atomics

Saving lives



# *LAMMPS* *Open Source Software*

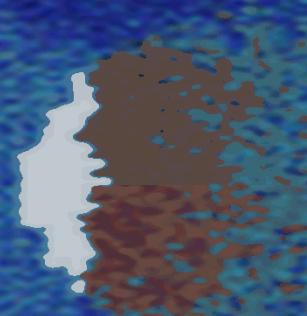
Large-scale Atomic/Molecular Massively Parallel Simulator

100+ contributors worldwide

1250 email subscribers

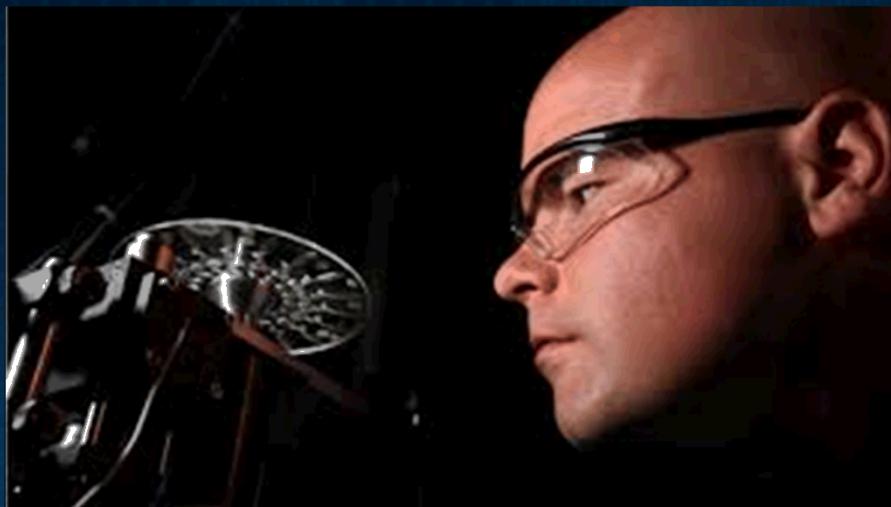
166,000 downloads

Member companies have  
drastically cut their design  
cycle times



# SpinDX: Startup Companies

*Rapid, low-cost and compact diagnostic system*



**abc 40 FOX 9**

HOME NEWS WEATHER SPORTS VIDEO WHAT'S ON TV? COMMUNITY CONTESTS ABOUT

Featured on 40: [Robbery Thwarted](#) [President's Address](#) [Primary Results](#) [Parvo Clinics](#) [Weather Discussion](#)

## Scientists Create Fertility Test for Men

By Jessica Michalski - [email](#)  
April 26th, 2014



ALBUQUERQUE, N.M. (AP) — Two former Sandia National Laboratories scientists say they have come up with a take-home fertility test for men.

The Albuquerque Journal reported Friday that researchers Greg Sommer and Ulrich Schaff have created a portable test kit for gauging a man's sperm quality that could be available to consumers as early as 2015.

Sommer says the device allows men to test and track their fertility from the comfort and privacy of their own homes.

The scientists say the test would give results within a few minutes.

Both men licensed technology they helped create for detecting toxins in emergency first responders and applied it to the idea of a fertility test.

They say the test kit would sell to consumers through established medical companies.

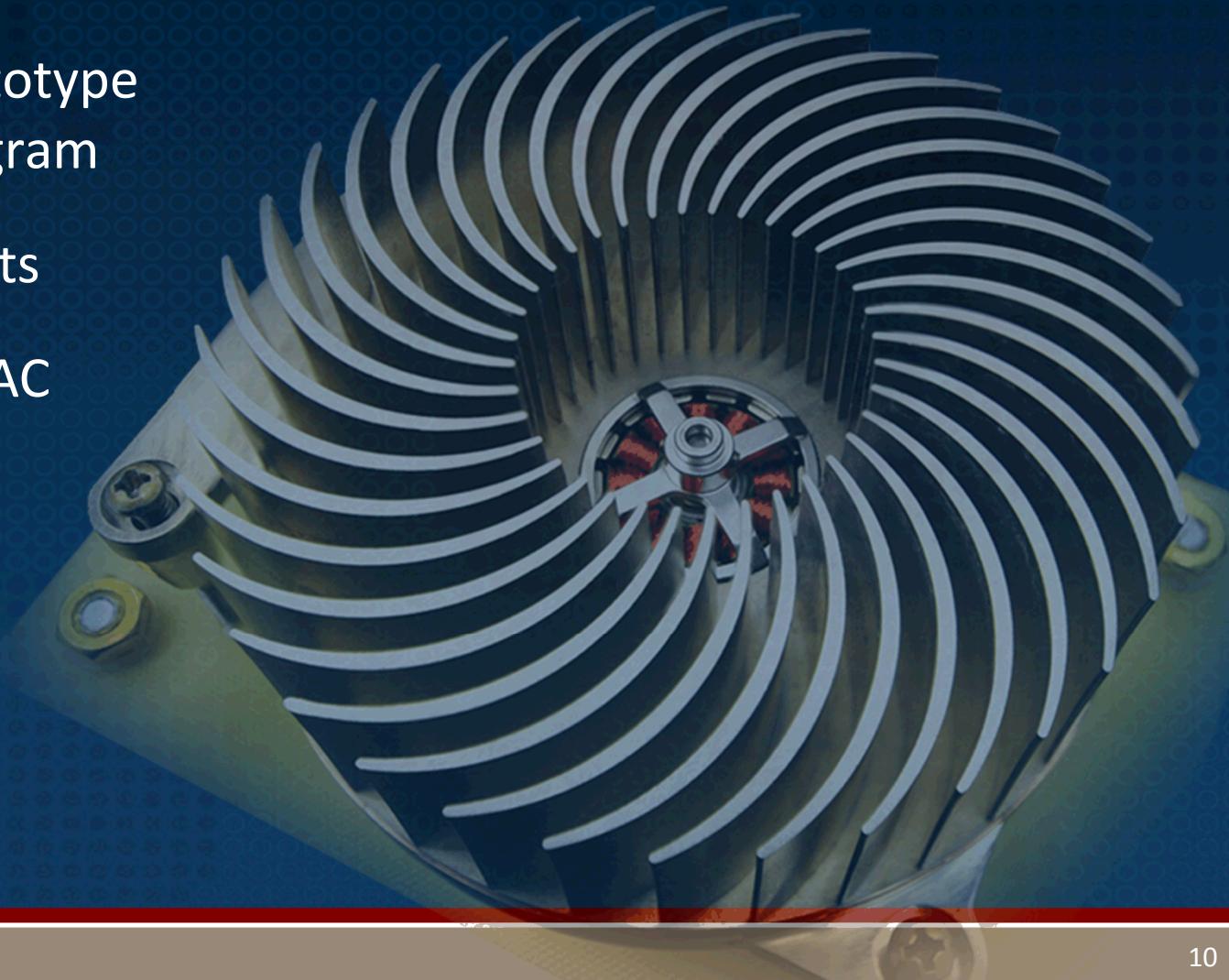
# *Sandia Cooler: A Lot of Interest*

## Air Bearing Heat Exchanger – Electronics, HVAC

Rolling out prototype  
evaluation program

DOE investments

Electronics, HVAC



# *Decontamination Foam*



8 licenses  
Variety of applications

# Eden Radioisotopes LLC



Sandia  
National  
Laboratories

Locations Contact Us Employee Locator



ABOUT PROGRAMS RESEARCH WORKING WITH SANDIA NEWS CAREERS

## May 30, 2014



Annual Report  
Environmental Reports  
Fact Sheets  
Labs Accomplishments  
**Lab News**  
Archive  
Partnerships Annual Report  
Research Magazine  
HPC Annual Reports  
Search Sandia Publications



## Making Moly 99: Sandia technology licensed to produce US supply of widely used, in-demand medical rad source

by [Nancy Salem](#)

An Albuquerque startup company has licensed a Sandia technology that offers a way to make molybdenum-99, a radioactive isotope needed for diagnostic imaging in nuclear medicine, in the United States. Known as moly 99 for short, it is currently made in aging, often unreliable nuclear reactors outside the country, raising concerns about future shortages.

Eden Radioisotopes LLC was founded last year and licensed the Sandia moly 99 reactor conceptual design in November. It hopes to build the first US reactor for the isotope and become a global supplier. "One of the pressing reasons for starting this company is the moly 99 shortages that are imminent in the next few years,"

Chris Williams, Eden's chief executive officer, told the *Albuquerque Journal* on May 20.

# Intellectual Property

## IP lifecycle initiative

## IP Web portal

## IP email subscription and RSS feed

## Innovation Marketplace

## License & NMSBA

<https://ip.sandia.gov>

**Licensing and Technology Transfer**

Welcome to Sandia National Laboratories' Intellectual Property Licensing Portal. This website highlights exceptional opportunities for licensing Sandia's intellectual property, including patents, copyrights (generally software), trademarks, and trademarks. Partners can license rights for commercial or government purposes. Please refer to [Licensing Guidelines](#) for information regarding our policies.

**Featured News**

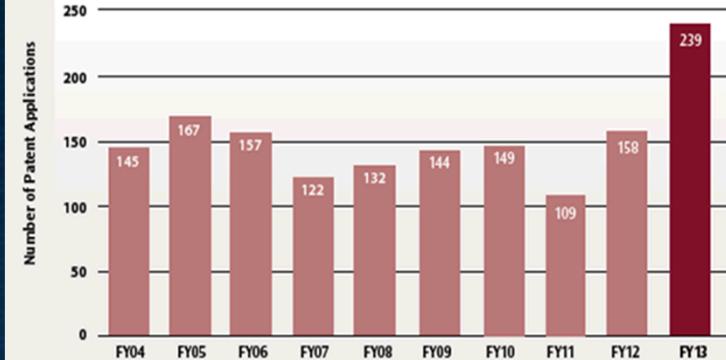
**Search Technologies Available for Licensing**

**Browse Technologies Available for Licensing**

- Bioscience
- Computers & Information Science
- Defense Systems & Assessments
- Energy & Environment
- Engineering Technologies
- Homeland Security
- Materials, Chemistry, & Nanoscience
- Microelectronics, Sensors, MEMS, & Photonics

**Technology Ventures Corporation** helps entrepreneurs secure funding to develop Sandia's technology.

## Patent Applications



## Sandia's INNOVATION MARKETPLACE

A QUARTERLY UPDATE OF AVAILABLE TECHNOLOGIES FOR INDUSTRY



# Sandia Science & Technology Park



The screenshot shows the homepage of TEAM Technologies. At the top, there's a logo for 'TEAM TECHNOLOGIES' with a stylized orange and blue gear icon. Below the logo, the text 'Advanced Engineering + Manufacturing Solutions' is displayed. A phone number 'Call Us Monday - Friday 8am - 5pm MST: 1-877-808-2677' is also present. The main visual is a photograph of a modern building with a blue roof and glass windows, labeled 'OVER 36,000 SQUARE FEET OF RESEARCH AND DESIGN LABORATORY SPACE'. Below the image are four service categories: Electronic Engineering, Mechanical Engineering, Electronic Manufacturing Services, and Instrumentation & Controls. At the bottom, there are links for Explosive Tools, Precision Machining, Metrology & Inspection, and GoTEAMparts Procurement.

Incubating startups



The screenshot shows the homepage of LIQUID COMMON. The logo 'LIQUID COMMON' is at the top, with the tagline 'Social. Web. Mobile.' underneath. A navigation bar includes links for Home, Overview, Business Services, Contact Us, and Customer Login. On the right, there's a search bar. The main content area features a hand holding a smartphone displaying a mobile application interface, surrounded by various small images representing different business sectors. The text 'LIQUID COMMON Drives Customers TO YOUR BUSINESS' is prominently displayed.

Digital marketing resource

36 companies and organizations  
2,400+ people  
\$75K average salary  
\$3B wages and salaries since 1998

# New Showcase Format

Year-round series of events

First event is a luncheon on September 25, 2014

Selected principal investigators will present technologies



The graphic features a white rectangular box with a decorative background of overlapping circles in red, orange, and blue. At the top right are the New Mexico Angels logo (a stylized 'A' with wings and the text 'NEW MEXICO Angels INVESTING IN INNOVATION') and the Sandia National Laboratories logo (a stylized 'S' inside a square with the text 'Sandia National Laboratories'). Below these is the text 'Sandia Technology Showcase' in a large, bold, black sans-serif font. Underneath it, in a smaller red font, is 'Partnership Opportunities — Year-Round'. At the bottom left, the text 'Sandia Technology Showcase' is repeated. The bottom right contains a block of text: 'You Are Invited to Join us at the Sandia Technology Showcase on September 25, 11:30am at Yanni's. The Sandia Technology Showcase is a year-round event highlighting Sandia National Laboratories' intellectual property and it's principal investigators. This event is aimed at entrepreneurs and investors who are specifically interested in licensing' followed by a large black right-pointing arrow. A small red 'X' icon is located in the top right corner of the white box.

Sandia Technology Showcase

You Are Invited to Join us at the Sandia Technology Showcase on September 25, 11:30am at Yanni's. The Sandia Technology Showcase is a year-round event highlighting Sandia National Laboratories' intellectual property and it's principal investigators. This event is aimed at entrepreneurs and investors who are specifically interested in licensing

From New Mexico Angels web site

# Growing our Collaboration

## Collaborative research

- ✓ LDRD research
- ✓ Advanced Materials Laboratory
- ✓ Joint hire

## Collaborative Licensing

- ✓ STC.UNM

## New Mexico Small Business Assistance

- ✓ Expand to Engineering School

## Entrepreneurial Separation

- ✓ Entrepreneurial training
- ✓ Incubation

## Innovate ABQ

[UNM Newsroom](#) / [Articles](#) / UNM-Sandia 'Protocell' May Unlock Potential of New Cancer ...

## UNM-Sandia 'Protocell' May Unlock Potential of New Cancer Therapies

By Sari Krosinsky — April 09, 2012

Categories: [Research](#) [Health Sciences Center](#)

Therapeutic RNAs, ribonucleic acids, hold great promise for treating cancer and other diseases. But their potential has been limited by the lack of effective delivery mechanisms that both protect therapeutic molecules from the body's natural defenses and target diseased cells. Now, a novel



# *Our Vision For The Future*

## Collaborative Space at the SS&TP

- Access to research and inventors
- Available technologies
- Partnerships
- Licensing
- NMSBA

