

# Videos to be used along with this presentation

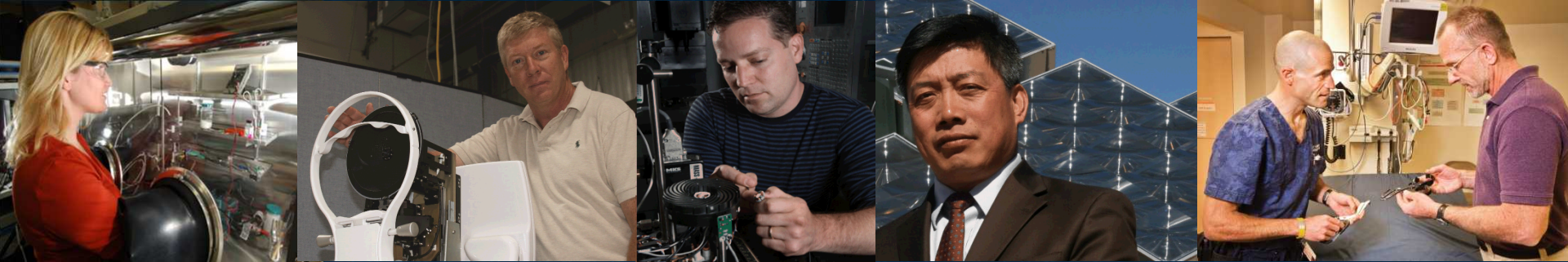
SAND2014-18041PE

## 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

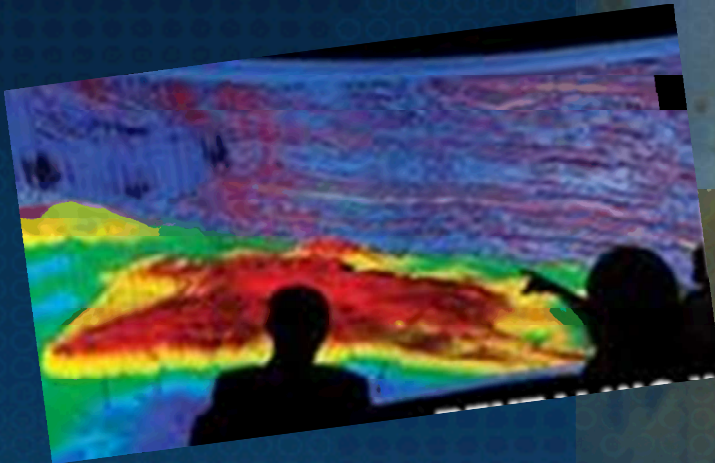
UNM Economic Development Forum  
September 25, 2014



# *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

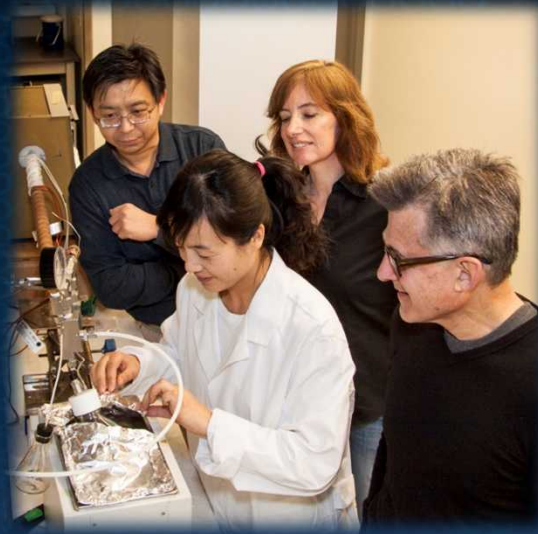
Collaborative research

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*

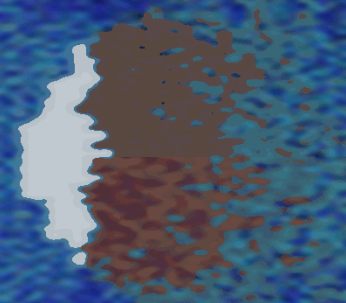
Large-scale Atomic/Molecular Massively Parallel Simulator

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*



**safe-h<sub>2</sub>O**



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

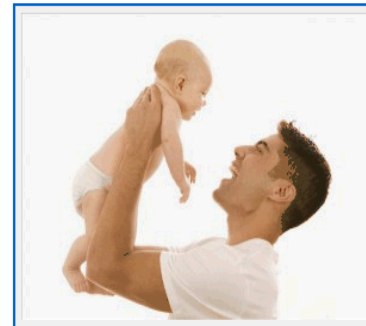


photo MGN/Father's Day 2011

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.

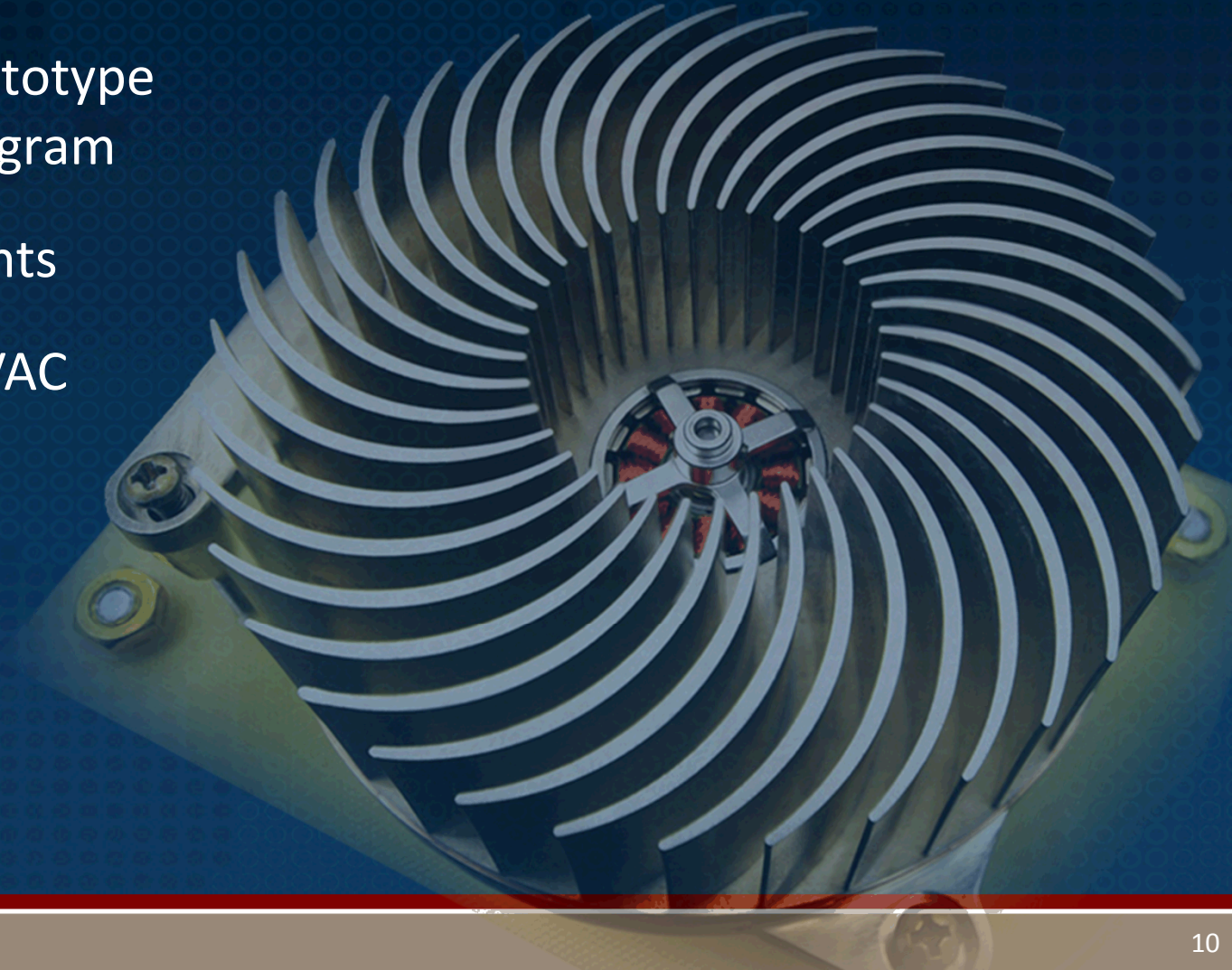
# *Sandia Cooler: A Lot of Interest*

## Air Bearing Heat Exchanger – Electronics, HVAC

Rolling out prototype  
evaluation program

DOE investments

Electronics, HVAC





# *Decontamination Foam*



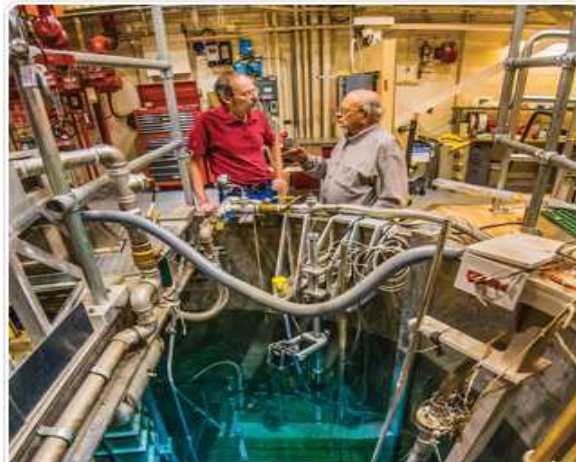
8 licenses  
Variety of applications

[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 W. Eden Radioisotopes LLC, founded 2013



# Intellectual Property

IP lifecycle initiative

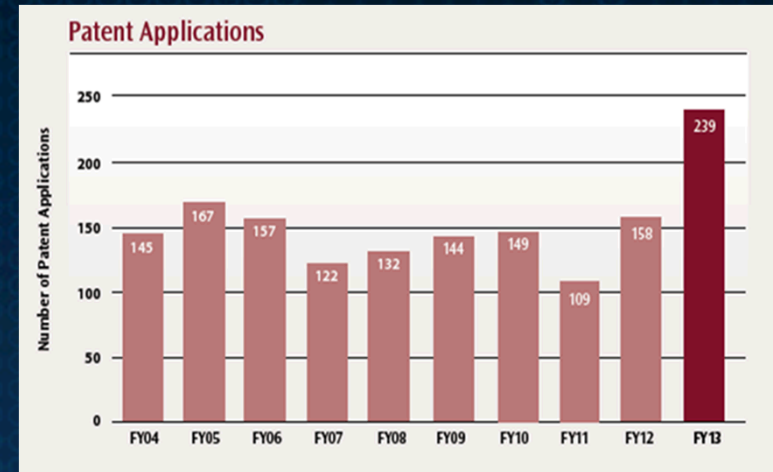
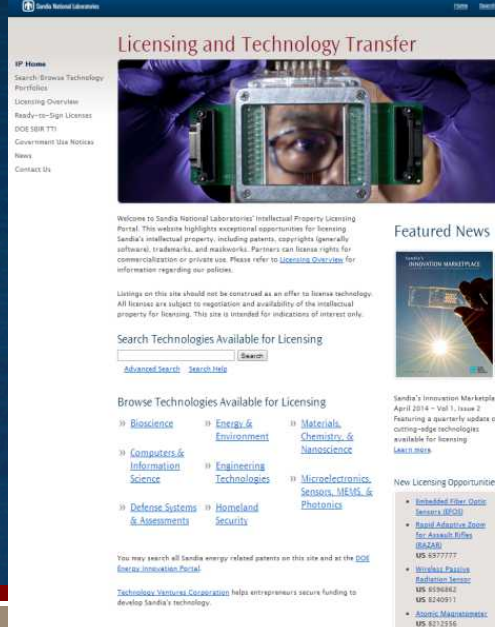
IP Web portal

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 trade secrets. Patents can license rights for commercialization or private use. Please refer to [Licensing Overview](#) for information regarding our policies.

Listings on this site should not be construed as an offer to license technology. All licenses are subject to negotiation and availability of the intellectual property for licensing. This site is intended for indications of interest only.

Search Technologies Available for Licensing

[Advanced Search](#) [Search Now](#)

Browse Technologies Available for Licensing

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

You may search all Sandia energy related patents on this site and at the [DOE Energy Innovation Portal](#).

Technology Transfer [Cooperation](#) helps entrepreneurs secure funding to develop Sandia's technology.

**Featured News**

Sandia's Innovation Marketplace April 2014 - Vol. 1, Issue 2

Featuring a quarterly update of cutting-edge technologies available for licensing.

[SEARCH.MARK](#)

**New Licensing Opportunities**

- Integrated Filter, Gate Sensors (IGGS)**
- Rapid Adaptive Sensor for Assault Rifle (RASAR)**
- MS 837777**
- Wavelength-Passive Radiation Sensor**
- US 8198462**
- US 8240911**
- Acoustic Measurement**
- MS 8212156**



Sandia's  
**INNOVATION MARKETPLACE**  
A QUARTERLY UPDATE OF AVAILABLE TECHNOLOGIES FOR INDUSTRY

April 2014 • Vol. 1, Issue 2



# Sandia Science & Technology Park



Incubating startups



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 banner features a colorful, swirling abstract design on the left. In the center, the New Mexico Angels logo is displayed, which includes the text 'NEW MEXICO Angels' and 'INVESTING IN INNOVATION' with a winged figure. To the right is the Sandia National Laboratories logo. Below these logos, the text 'Sandia Technology Showcase' is written in a large, bold font, followed by 'Partnership Opportunities — Year-Round' in a smaller, italicized font. At the bottom left, the text 'Sandia Technology Showcase' is repeated. In the bottom right, there is a large black arrow pointing to the right.

**Sandia Technology Showcase**

*Partnership Opportunities — Year-Round*

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

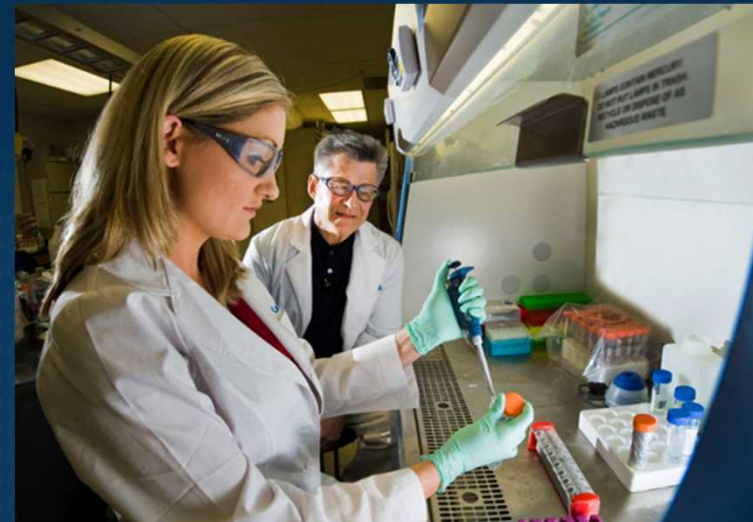
UNM Newsroom / Articles / UNM-Sandia 'Protocell' May Unlock Potential of New Cancer ...

### 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

