



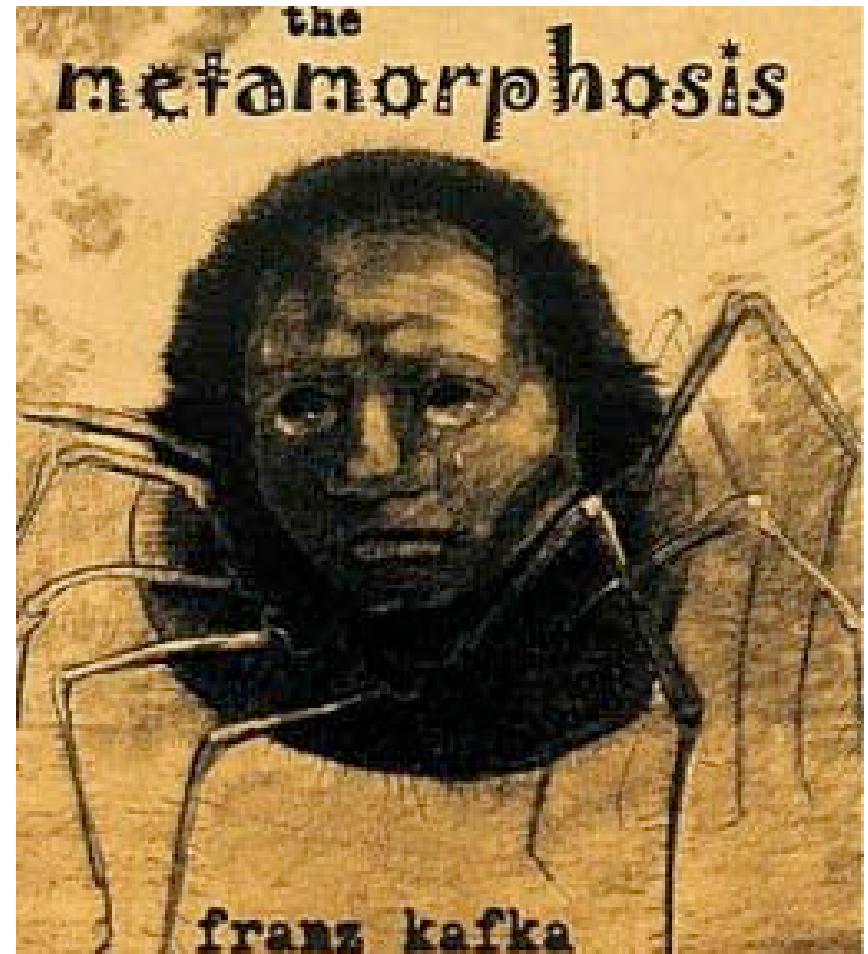
 THE UNIVERSITY OF UTAH®

## **SEEDING TEAM SCIENCE PANEL \* NORDP 2012**

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# The Metamorphosis

- Early developmental pattern of a research scientist
- Sudden onset of metamorphosis
- Working through the awkward phases toward maturity



# A Hitchhiker's Guide to Team Science

- 1) Gather the people
- 2) Provide collaboration tools
- 3) Create public face
- 4) Internalize the science
- 5) Pursue diverse funding
- 6) Foster external partnerships
- 7) Educate upcoming generations
- 8) Stimulate the economy
- 9) Change the world
- 10) Carry a towel\*



\*Wisdom from the *Hitchhiker's Guide to the Galaxy* by Douglas Adams



# Gather the People

## Interdisciplinary research communities

- NERG (Neural Engineering Research Group) – 73 members
- Optogenetics Community – 50 members
- NOMADS (Neuropsychiatric Movement and Associated Disorders) – 29 members



# Provide Collaboration Tools

## Unite online collaboration tool

- Private workspaces
- Document versioning
- Accessible from anywhere
- Easy to give access to internal and external collaborators

Unite Group Memory » Institutes and Centers » The Brain Institute  
March 2012 - Wilcox and White, Calcium Signaling in Epilepsy R01













### March 2012 - Wilcox and White, Calcium Signaling in Epilepsy R01

Folder

Usage Counts: 368 Views, 43 Edits since 2/15/12

Show:  People & Policies  Descriptions  Ratings

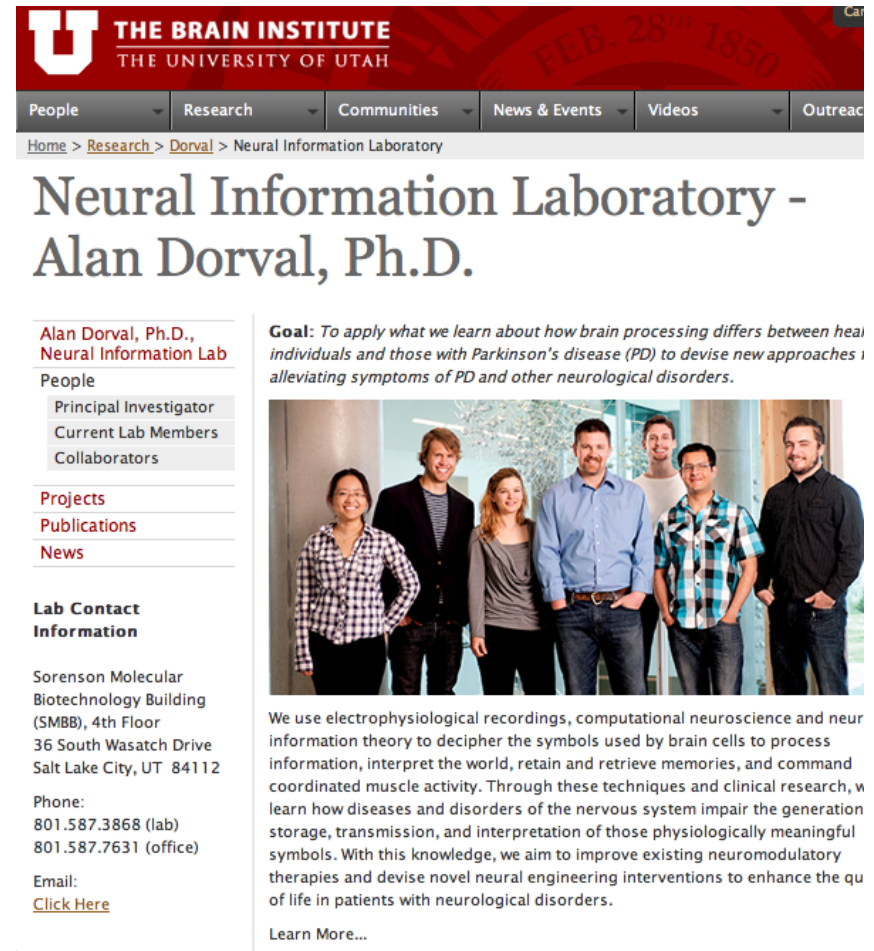
#### Folder Contents

 Name 	Modified	Me
 2012 Resubmission Source Files	<u>Today</u>	AM
 April 2009 Challenge Grant, John White and Karen Wilcox 	2/15/12 4:35 PM	AM
 Biosketches	2/29/12 8:43 AM	AM
 June 2011 R01 Grant Application Materials	2/17/12 12:23 PM	AM
 Letters of support	3/2/12 12:54 PM	AM
 PA-11-260 New Parent R01	2/17/12 12:23 PM	AM
 Pittsburgh.pdf	3/5/12 9:19 AM	AM



# Create Public Face

- Custom web pages for individual research groups – brain.utah.edu
- Custom web pages for interdisciplinary research teams - brain.utah.edu/communities
- Facebook - facebook.com/uofubraininstitute
- YouTube - youtube.com/user/uofubraininstitute



The screenshot shows the website for the Neural Information Laboratory at The University of Utah. The header features the university logo and the text "THE BRAIN INSTITUTE THE UNIVERSITY OF UTAH". A navigation menu includes "People", "Research", "Communities", "News & Events", "Videos", and "Outreach". The breadcrumb trail reads "Home > Research > Dorval > Neural Information Laboratory". The main heading is "Neural Information Laboratory - Alan Dorval, Ph.D.". Below this, there are sections for "People" (Principal Investigator, Current Lab Members, Collaborators), "Projects", "Publications", and "News". A "Lab Contact Information" section provides the address: Sorenson Molecular Biotechnology Building (SMBB), 4th Floor, 36 South Wasatch Drive, Salt Lake City, UT 84112, and phone numbers: 801.587.3868 (lab) and 801.587.7631 (office). An email link "Click Here" is also present. A photograph of the lab members is shown, followed by a "Goal" statement: "To apply what we learn about how brain processing differs between healthy individuals and those with Parkinson's disease (PD) to devise new approaches to alleviating symptoms of PD and other neurological disorders." A "Learn More..." link is at the bottom.



## Internalize the Science



- Read
- Listen
- Ask questions
- Write the white papers

## Pursue Diverse Funding



- Federal – wide net
- State
- Foundation
- Corporate

## Foster External Partnerships



- U.S. research institutions
- International
- Industry
- Program officers



# Educate Upcoming Generations

- Brain Awareness Week
- Lending Library - [brain.utah.edu/outreach/lending-library.php](http://brain.utah.edu/outreach/lending-library.php)
- Develop a real and executable plan for recruiting a diverse trainee population





## Stimulate the Economy

- Nurture a culture of technology commercialization
- Explore STTR / SBIR opportunities
- Act as a broker between PIs and Technology Commercialization Office



[techventures.utah.edu/tco/](http://techventures.utah.edu/tco/)

## Change the World

- Lead your faculty out of the ivory tower
- Encourage bold vision
- Be transformative
- Work everyday as if your whole enterprise is based on other people's money



[engineeringchallenges.org/](http://engineeringchallenges.org/)



# Carry a Towel

- Personalities & politics
- Time & priority management
- Reactive vs. proactive working style
- Working at a frontier where there is no guidebook
- When you're lost, smile confidently, and call on NORDP

