The Clinical Core Team
Rocky Mountain Alzheimer’s Disease Center

Strategic Planning for Team Science

Leadership for Innovative Team Science
LITeS 2017-2018
What is Team Science?

Research Silos → Coordinated Team Work

Independent Research Programs → Integrated Team Science Program
University of Colorado is Uniquely Positioned to Fill the Gap

Find an Alzheimer's Disease Center (ADC)
RMADC:
Where Did We Start? Where Are We Now?

Huntington Potek
Founding Director, RMADC

Jonathan Woodcock
Director, Memory Disorders Clinic

Bri Bettcher and Victoria Pelak
Co-Leaders, Clinical Research

Behavioral Neurology Faculty

< 300 Patients Per Year

1984... 2012 2014 2016 2018

Leukine Trial
Biomarker Study

5 Behavioral Neurology Faculty

> 3,000 Patients

5,300 Patients

Rocky Mountain Alzheimer's Disease Center
SCHOOL OF MEDICINE | UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS

uchealth
Clinical Core: **Strategic Plan for Team Science**

**Identity**
- Mission
- Vision
- Values

**Plan**
- Goals
- Obstacles
- Measures

**Action**
- Shared Leadership
- Action Steps
- Monthly Updates
Strategic Plan: Identity
Vision Statement for Team Science

We will discover underlying disease mechanisms responsible for AD heterogeneity
>400 failed clinical trials for Alzheimer’s disease
No disease modifying treatments

One of World's Biggest Drug Companies Just Abandoned Alzheimer's And Parkinson's Research

Well, that's depressing.

PETER DOCKRILL  9 JAN 2018

Pfizer, the world's third largest drug maker, has announced it is ending research to discover new medications for Alzheimer's and Parkinson's disease.
AA and CDC. (2011) *The CDC Healthy Brain Initiative: Progress 2006-2011*
Strategic Plan: 5-Year Goals

- Nationally Recognized AD Research Center
- Establish Young and Non-Memory Onset AD Cohort
- Develop Personalized Medicine for AD Treatment
- Train Future Leaders in Aging and AD
<table>
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<tr>
<th>Strategic Plan: ACTION PLANS</th>
<th>Establish Cohort</th>
<th>Personalized AD Medicine</th>
<th>Train Future Leaders</th>
<th>Nationally Recognized</th>
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<td>Increase recruitment</td>
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<td>Increase efficiency in the memory disorders clinic</td>
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<td>Optimize biorepository for collaborations</td>
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<td>Implement training and mentorship program</td>
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<td>Produce as a Team/Host Conference</td>
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<td>Be awarded an NIH ADRC Designation</td>
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<td>NEEDS FOR SUCCESS</td>
<td>Establish Cohort</td>
<td>Personalized AD Medicine</td>
<td>Train Future Leaders</td>
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<td>Recruit neuroimaging expert</td>
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<td>Recruit bioinformatics expert</td>
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<td>Designated biorepository space</td>
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<td>Financial resources for training programs and pilot projects</td>
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<td>Collaborative physical space</td>
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Strategic Plan:
Obstacles for Team Science Success

1. Need for specific “team science” skills
2. Reward systems are focused on individuals
3. Distraction from the scientific vision
4. Lack of protected/start-up research time

3. LITeS 2012-13 Cohort: CCTSI Evaluation Core survey “Training and Mentorship that might Promote Team Science” LITeS (online).
“Collaboration is common; true coordinated teamwork is rare.” Disis and Slattery Science Translational Medicine 2: 22; 2010

**Recommendations**

1. **Rocky Mountain Alzheimer’s Disease Center**
   - Organize Clinical Core’s resources around the *strategic plan* and *needs*

2. **University of Colorado - Institution**
   - Reward and promote team science
     - UC will have a role in paradigm revolution
     - e.g. “Promoting Team Science at UC” LITeS 2012-13
RMADC: The Bio-AD Study

- Blood
- Cognition
- Brain Structure

Typical Aging

Non-Memory Onset AD

Late Onset AD

Young Onset AD
Thank You

Judith Albino, PhD
Susan Johnson, PhD
Galit Mankin, MSW
Our fellow 2017-18 LITeS participants
Chris Filley, MD

Sponsor: Huntington Potter, PhD

The Clinical Core Team
Rocky Mountain Alzheimer’s Disease Center
LITeS 2017-2018
Action plans and needs

• table
• Establish cohort
  • Action plan: increase recruitment, Inc Mem Do efficiency
  • Needs: Neuroimaging expert

• Develop personalized medicine
  • Action plan: biorepository
  • Needs: bioinformatics expert, designated biorepository space

• Train future leaders
  • Action plan: implement research training and mentorship plan for all fellows
  • Needs: financial resources for training programs and pilot projects

• Nationally recognized center
  • Action plan: NIH ADRC grant, Host a conference, inc team prod
Strategic Plan: Action Plans - Distributed Leadership

1. Expand recruitment of our research cohort
2. Increase *team* research productivity
3. Transform the UCH Memory Disorders Clinic
4. Build education and training infrastructure
5. Optimize biorepository for collaborations
6. Host an NIH-sponsored research conference
Clinical Core Team Values

1. Innovation
2. Team Collaboration
3. A Sense of Urgency
4. Integrity and Mutual Respect
Strategic Plan: Planning

Obstacles

- time, resources/funding, rewards (SOM promotion matrix), distractions from the vision

Short-term goals for CC team science

1. Develop interdisciplinary projects
2. Build a shared sense of purpose
3. Promote the CC’s vision