Process: University Plan

Previously:

- Steering Committee convened working groups:
  - Research and Innovation
  - Academic Excellence
  - Our People
  - Finance, Operations and Infrastructure
  - CWRU 2026
- presented in series of Open Forums
- feedback collected and integrated

Summer 2013: Document in draft form
January 2014: Final Draft printed
February-March 2014: Implementation teams created

http://www.case.edu/strategicplan/index.html
Health

• Distinguish ourselves as national leaders in health education, research and practice
• Align our expertise with the world’s most pressing needs
• Focus our Innovative Education on strategic programs such as Data Science and Health Informatics
• Continue collaborative spirit within multi-affiliate model to advance treatments and cures
• Further develop focus areas of Imaging and The BRAIN
Health

• McIntyre: Deep Brain Stimulation (DBS) clinical technology for the treatment of movement disorders
• Tesar: stem cell platform for nerve cells – “jumpstart” native stem cells in the brain to promote more effective re-myelination
• Both honored with professorships in the last year
Translation & Commercialization

- Work to create new opportunities to bring breakthroughs to market and encourage entrepreneurial thinking
- Translate investments from government, philanthropy and other sources into tangible outcomes
- Involve industry in research and commercialization
- Chief Translational Officers and Council to Advance Human Health used in advisory capacity
Translation & Commercialization

- Paul DiCorleto is the Program Director for the National Center for Accelerated Innovations at the Cleveland Clinic
- Jim Chmiel is the Director and Chief Executive of the Ohio Clinical Trials Collaborative
- Both programs are working closely with the Ohio Consortium of CTSAs
- Both programs serve to fill the pipeline of discovery coming out of our research efforts
Dr. Silver was a CAHH Innovation Awardee in 2013
He has demonstrated functional recovery in paralyzed mice via peptide treatment
Has since established a license agreement with a major pharmaceutical company
Systems Biology

- Capitalize on Big Data revolution
- Programs in:
  - Clinical Research Informatics
  - Applied Health Informatics
- Expand academic programs in data science
- Institute for Computational Biology
- Focus on Interdisciplinary Efforts in Human Health specifically Systems Biology, Bioinformatics, and Health Informatics
Systems Biology

Jonathan Haines, PhD
Chair, Epidemiology and Biostatistics

• New Chair of Epidemiology and Biostatistics
• Director, Institute of Computational Biology
• Help develop infrastructure for working with large data sets to transform oceans of information to actionable insights
• Improve efforts to serve individual patients and broad communities
Process: School of Medicine

Previously:
• convened committees in People, Education, Community, Research
• developed goals and strategies
• presented in series of Town Hall meetings
• feedback collected and integrated

November 2013: Document in draft form
January 2014: Executive Summary
February-March 2014: Dean’s Town Hall with SOM and affiliate hospitals

http://casemed.case.edu/ora/strategicplan.cfm
Strategic Plan: Education

• Recruit and retain high quality students in medical and graduate education
  – Increase available scholarships and degree options
  – Expand research and teaching assistantships
  – Institute a Master of Science in Physician Assistant Studies

• Create state-of-the-art health professions education facility
  – Meet changing needs of learners and the discipline
  – Implement technology and forward-looking pedagogical approaches
  – Allow for learner-centered teaching in inter-professional groups

Taking the Best Approach
Strategic Plan: Education

Implementation and Metrics

• 13 committees
• Multiple meetings since July
• 130+ people involved in planning
• Curriculum Goals: practical sharing between CCLCM and the University Program
• New pathways: Urban Health, World Medicine, Humanities, Business of Medicine
• Opens 2016-2017
Strategic Plan: People

- Prioritize resources to reward deserving and creative individuals
- Support mentorship throughout academic levels
- Increase transparency through regular meetings and communications
- Develop programs to recruit and retain a diverse population

Putting Our People First
Strategic Plan: People

Implementation and Metrics

• Regular evaluation of chairs based on faculty success
• Track and reward creativity and innovation through public acknowledgement and awards
• Town Hall meetings, websites, and newsletters to disseminate information, recognize achievements, provide transparency
• Increase numbers of URM through scholarships and recruiting

Putting Our People First
Strategic Plan: Community

- Develop database of initiatives, cultivate collaboration
- Commit to community health data collection and health improvement efforts
- Advocate for policies to improve health, social determinants of health, and health equity of populations in the local community
- Expand SOM engagement with community wide efforts
- Develop new courses and increase inter-professional education
- Take an active role in economic development in Cuyahoga County

Working with Our Neighbors
Strategic Plan: Community 
Implementation and Metrics

• Dr. Borawski was awarded a renewal of the PRCHN grant
• IMPACT study aims to help Cleveland families improve their health
• IMPACT focuses on nutrition, physical activity, and sleep
• The Urban Health Pathway allows students to do clinical rotations in an urban setting

Elaine Borawski, PhD  
Director, Prevention Research Center for Healthy Neighborhoods
Strategic Plan: Research

- Recruit top graduate students, post-docs, and undergraduates
- Invest in key disciplines to enhance and diversify the research portfolio
- Increase participation in multi-disciplinary and multi-institutional programs
- Improve and coordinate administrative and core operations

Opportunities for Growth
Investment Blueprint

• **Areas of inter-disciplinary strength:** Cancer, Infection/Immunobiology, Imaging/Structural biology, Visual Sciences, Cardio-pulmonary

• **Emerging areas:** Informatics, Translational Neurosciences, Population and Community Health, Genome Sciences

• **High risk/High return areas:** Therapeutics, Commercialization, Metabolic Sciences
Renewed NCI grant puts them in top 6 Cancer Centers in the country
Collaborative research lead to discovery of key mechanisms to inhibit triple negative breast cancer