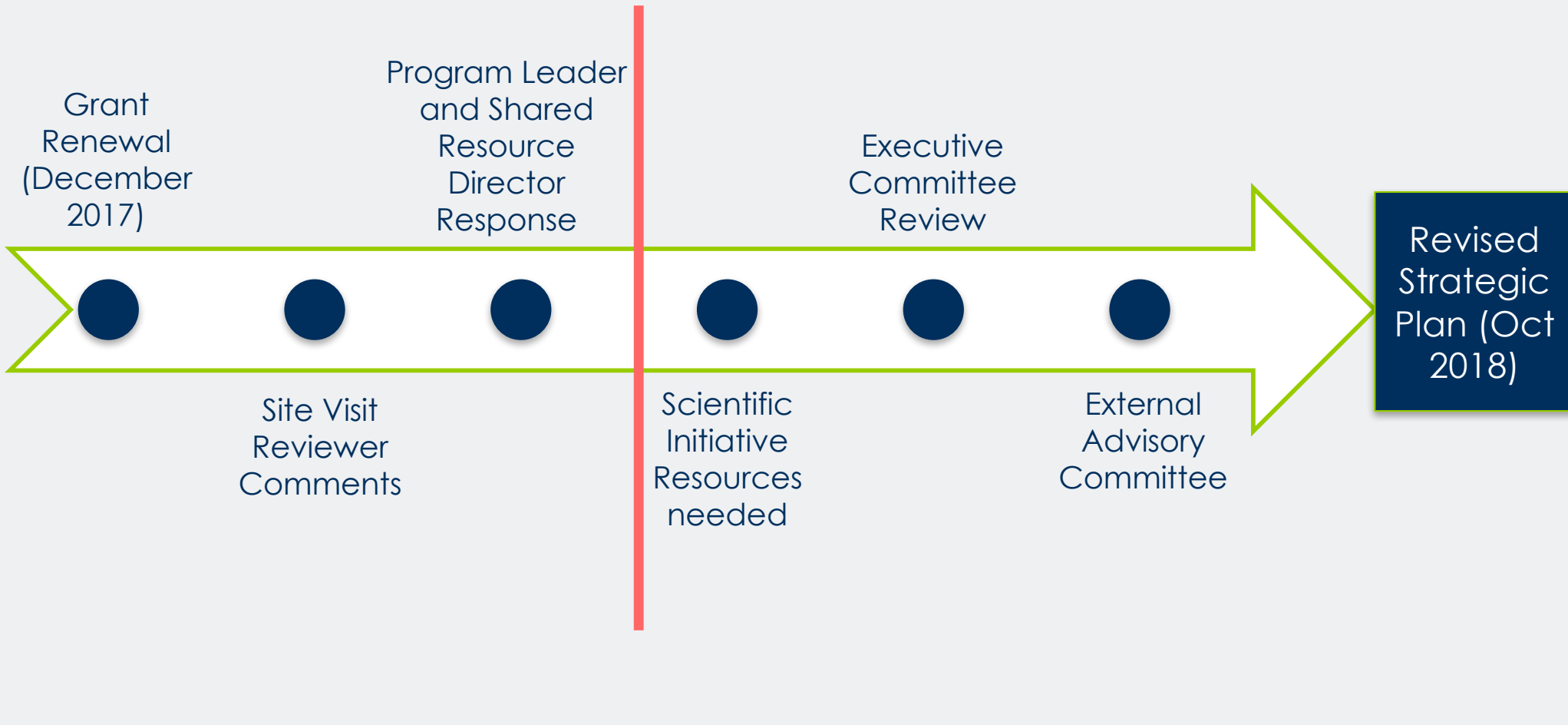
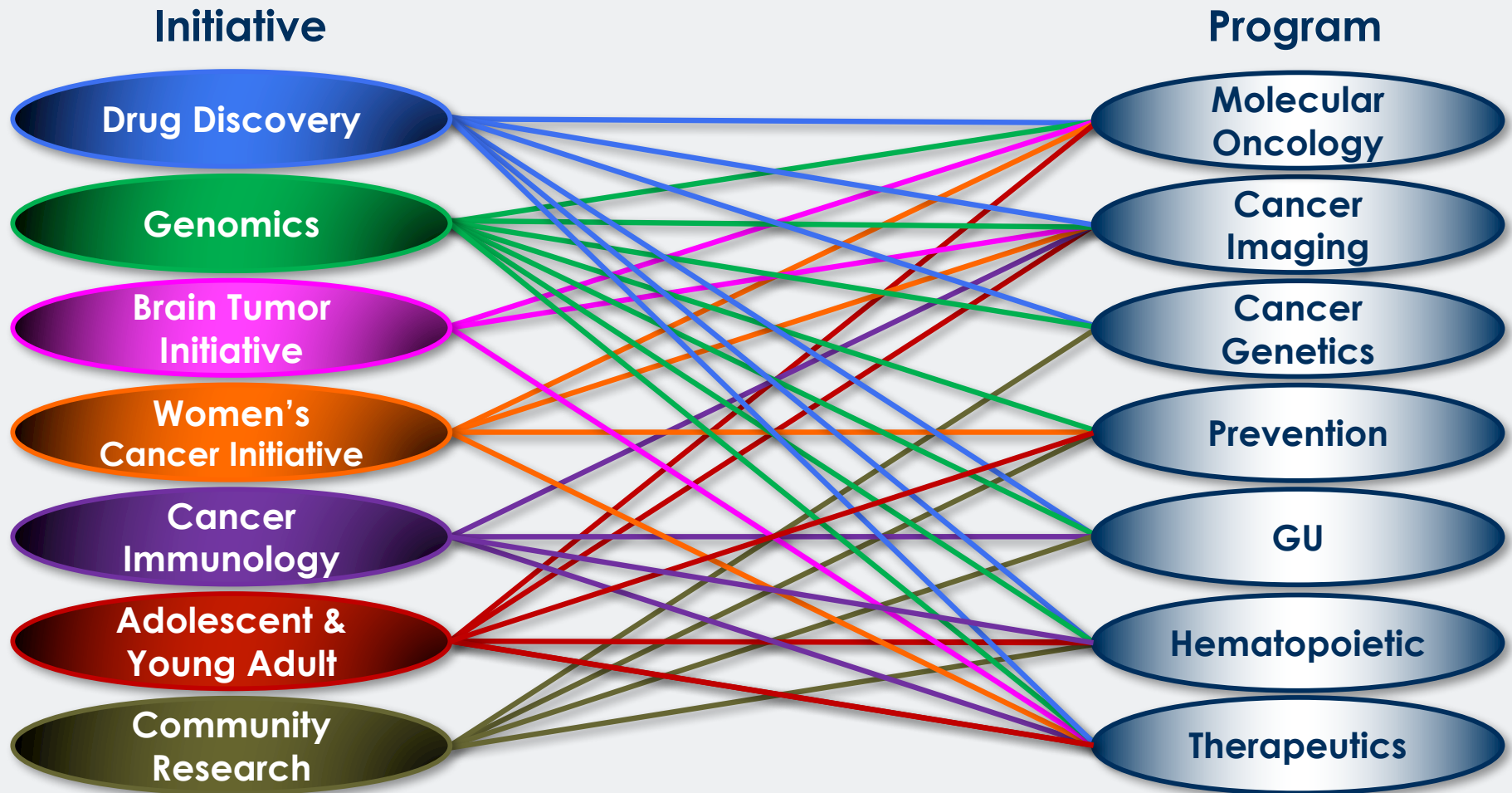


# Strategic Plan



# Strategic Research Initiatives 2017-2023 – today's focus



# Strategic Plan

## **Recruitments**

- 14 areas of Recruitment priorities across CWRU, UH, CC

## **Enhancing Grant Portfolio**

- Increase multi-PI grants
- Update program themes/working groups
- More full program interactions

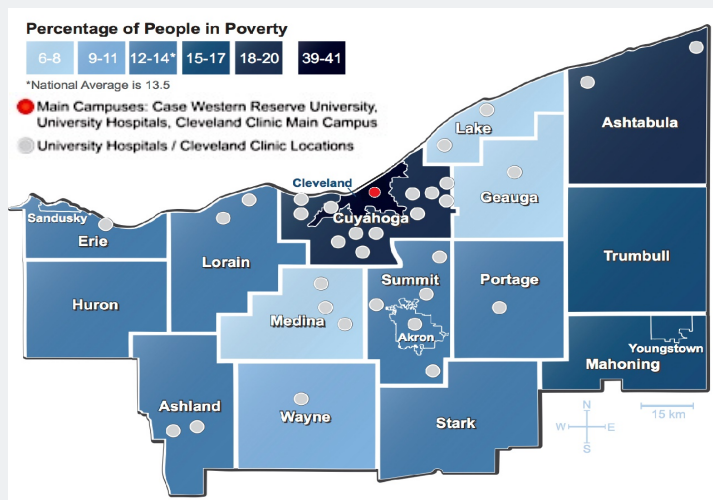
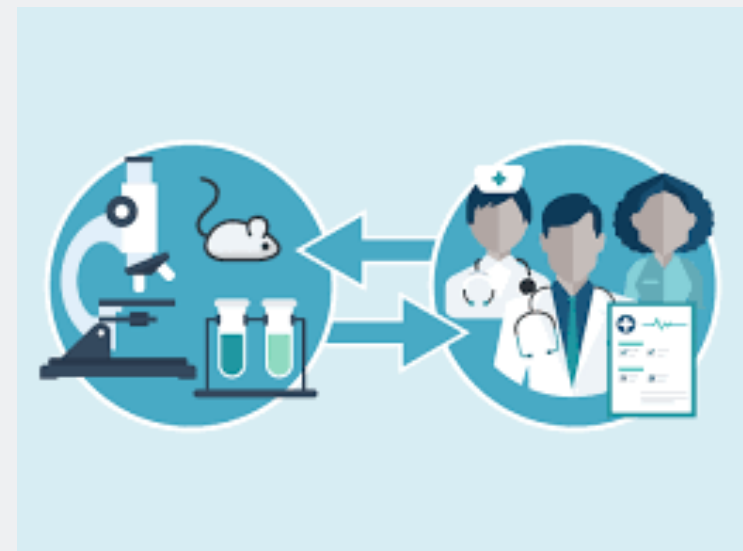
## **Improve Clinical Trials**

- More IIT support/ EPCTN

## **Investments in Shared Resources**

- Multiplex IHC capability
- Immuno-oncology monitoring
- FACS – MS Single Cell Spectrometry
- PDX & Enhanced tissue shared resource
- Pilot funding for innovative use of shared resources
- Increased interaction with tech transfer

# Pilot Opportunities



Obesity, Tobacco, poverty  
Lung, prostate, TNBC, Myeloma,  
Ovarian, Colon, AYA

# Pilot Opportunities

- Disparities (Applications currently under review)
- Innovations in cancer research: **DUE - Friday August 3, 2018**
- New Collaborations: **DUE – Friday August 17, 2018**
- Multi-investigator: Applications accepted on a rolling basis
  - Project support
  - Administrative support

[case.edu/cancer/research/funding-opportunities](http://case.edu/cancer/research/funding-opportunities)

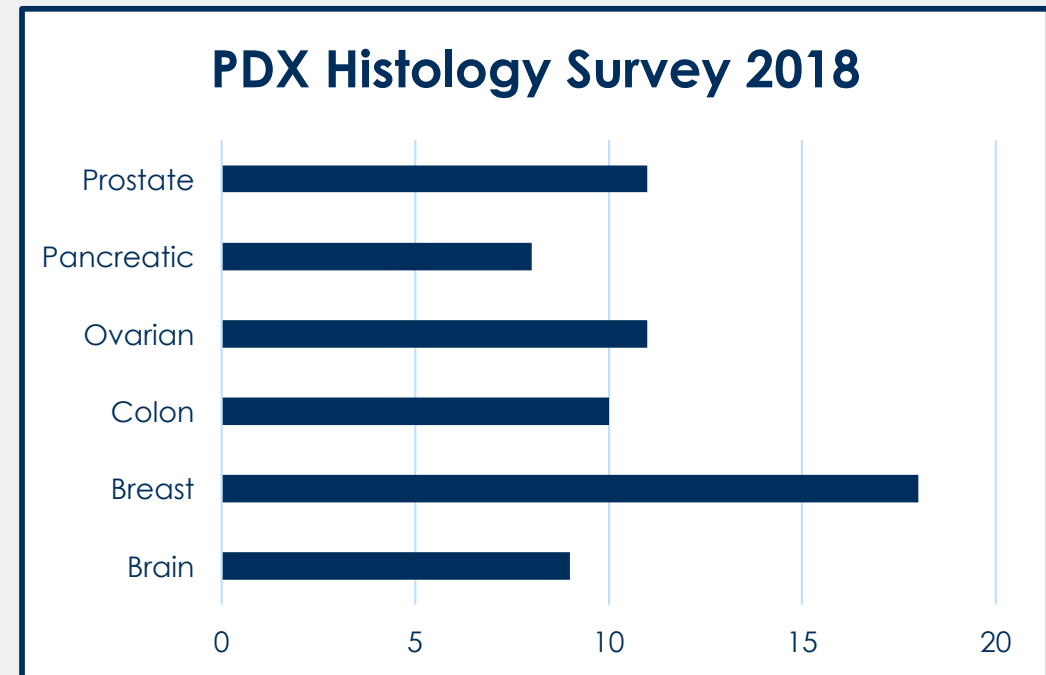
# PDX Survey

## PDX Survey

- 50 respondents
- 37 “Strong interest” in PDX Shared Resource

## Most Requested Histologies

- Brain
- Breast
- Colon
- Ovarian
- Pancreatic
- Prostate



Member interest

# Why Multi-I?

P 01,20,30  
U 01,10,54,M10  
R 01  
SCOR  
SPORE



Sutton's law  
"Go for the \$"

Gerson's law  
"Collaborators make  
better discoveries"

Accelerate  
Collaboration

Increased  
creativity and  
innovation

## How you can help and benefit from donor support

- Participate in VeloSano
- Innovate – exciting stories sell
- Connect with potential donors – be friendly and engaged, listen
- Promote the Center - CC/UH/CWRU
  - Colleagues, Special competencies: genomics, drug discovery, early phase trials, catchment relevant research, shared resources
  - Encourage support to either institution
- Support for cancer research in Cleveland benefits Case CCC



# Facebook Live – Colorectal Cancer



**Jul 20, 2018 – Kay Colby (ideastream) hosted Facebook Live event with John Wang, David Bajor and Joe Willis**

- **5,663** people viewed the video (to date)
- reached more than 17,000 people (appeared in their news feed on Facebook)
- Partnership with Stand Up To Cancer helped to boost visibility
- Engagement
  - 223 interactions (likes, etc)
  - 45 comments/questions during and after event
  - 38 shares



# NCI Directed CCSG Priorities

Career Enhancement

Community Outreach and Engagement

Opportunities at NCI Fredrick

- CryoEM
- Chem Biol
- Nanomedicine



## New NCI initiatives – BSA June 2018

### **New training initiatives**

- K88/R00 - outstanding pop sci; need not be US citizen
- K08 for MD scientist

**Cancer Immunoprevention** Research Projects – U01/UH2/UH3

**Cancer Immunoengineering** Consortium – U54

- nanocarriers, scaffolds, universal CART/NK

**Implementation Science** for cancer control P20/P50

- Tobacco, HPV, screening

**Inherited cancer syndrome** communication U01

**Patient engagement research** U01

- cancer prevention
- cancer genomic screening and somatic detection

# Big leap discovery

- IO and Cell therapy – improving targets and efficacy
- Metastasis – microenvironment, heterogeneity and EMT
- Pursuit of poorly responding tumor subpopulations
  - Genomic, epigenomic, clonal evolution, Rx resistance
- Tumors with distinctly bad outcomes
  - Pancreatic cancer – Jordan Winter, MD
  - Glioma - PPG
  - Osteosarcoma - AYA

# NEW Shared Resource Equipment

## **Genomics**

- NovaSeq 6000 Sequencing System

## **Cytometry**

- Microparticle Sorting for the Study of New Immunotherapies

## **Proteomics**

- Orbitrap Fusion Lumos Tribrid Mass Spectrometer
- High-End Instrumentation (HEI) Grant Program

## **Imaging**

- Upgrade to 9.4T Bruker Biospec MRI Scanner
- ACUSON S2000 Ultrasound System
- 9.4T preclinical MRI upgrade

## **Drug Development**

- 50,000 Molecule Drug Compound Library
- Biotek EL406 Plate Washer/Dispenser

## **Hematopoietic and Cellular Therapy**

- HEMAVET 950FS Multi Species Hematology System