



**University of Maryland Marlene and Stewart  
Greenebaum Cancer Center  
Maryland Cancer Control Conference  
November 15, 2016**

**NCI** Comprehensive  
Cancer Center

A Cancer Center Designated by the  
National Cancer Institute

 UNIVERSITY of MARYLAND  
MARLENE AND STEWART GREENEBAUM  
COMPREHENSIVE CANCER CENTER

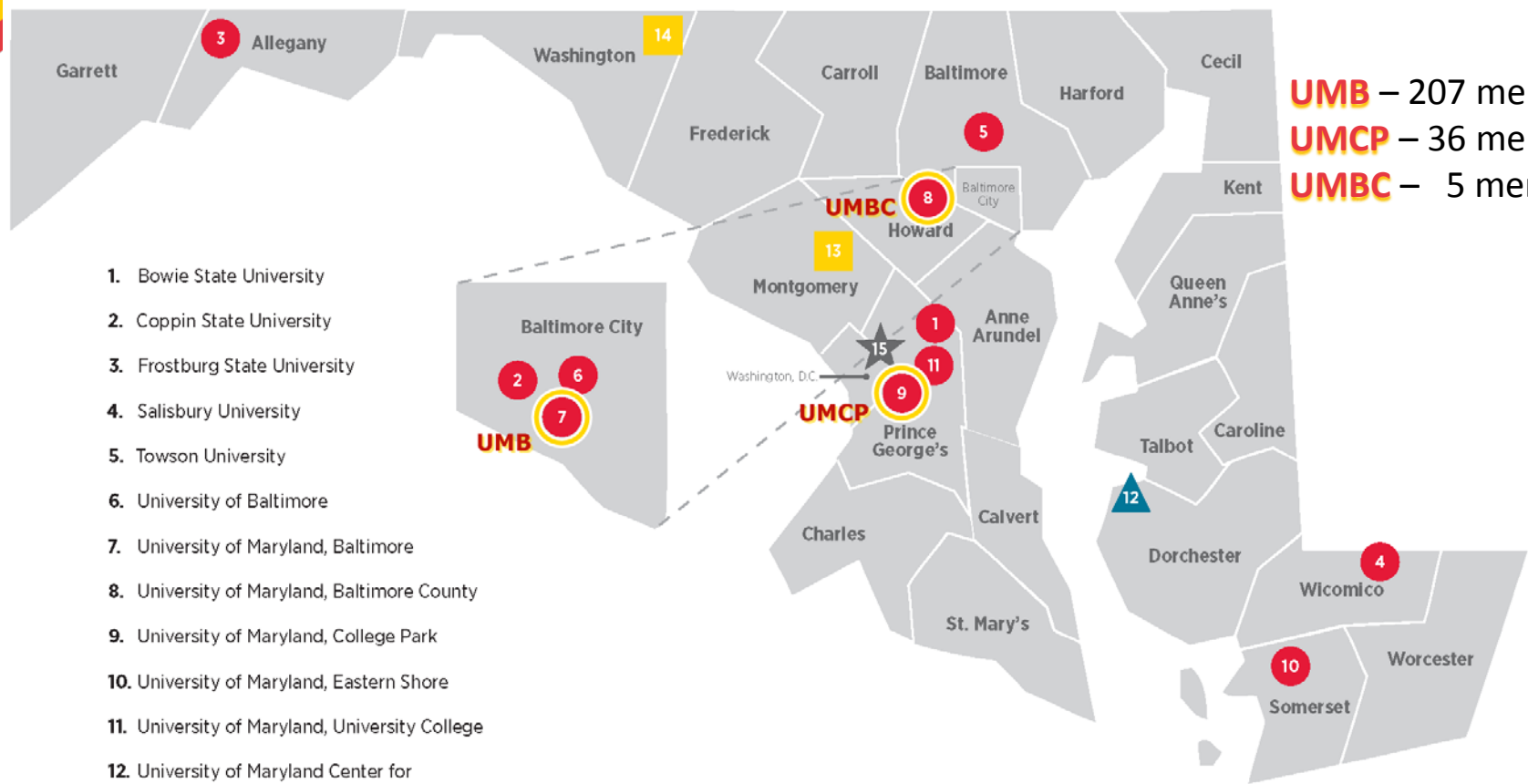
# UMGCC Mission

The mission of the UMGCC is to undertake innovative basic, clinical, **population and prevention** research that will impact the understanding and treatment of cancer around the world and to provide state-of-the-art clinical care to cancer patients in Maryland and beyond.

**UMGCC is the cancer center of the University System of Maryland and the University of Maryland Medical System**

**This renewal application requested designation as a Comprehensive Cancer Center**

# University System of Maryland



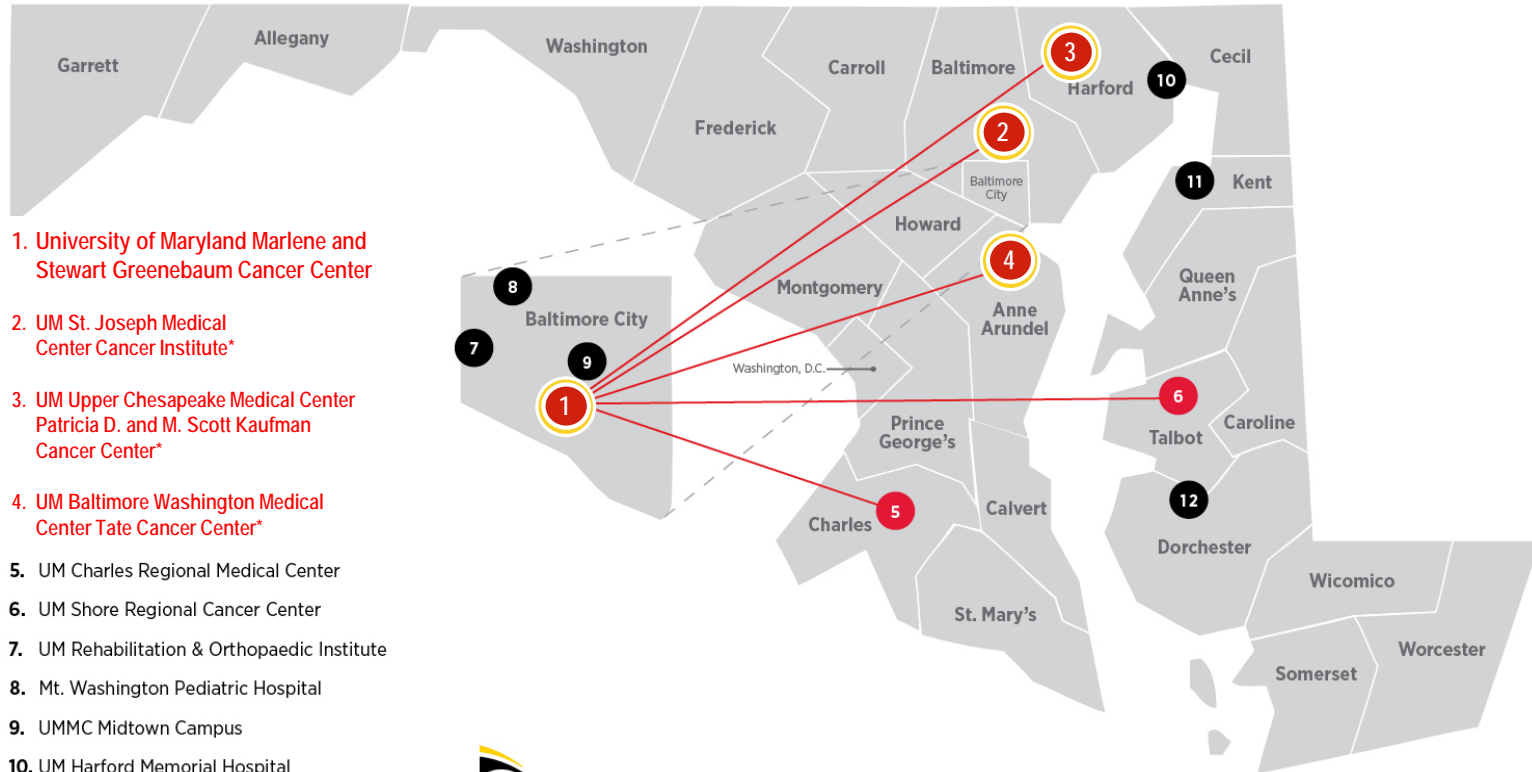
**UMB** – 207 members  
**UMCP** – 36 members  
**UMBC** – 5 members

1. Bowie State University
2. Coppin State University
3. Frostburg State University
4. Salisbury University
5. Towson University
6. University of Baltimore
7. University of Maryland, Baltimore
8. University of Maryland, Baltimore County
9. University of Maryland, College Park
10. University of Maryland, Eastern Shore
11. University of Maryland, University College
12. University of Maryland Center for Environmental Sciences
13. Universities at Shady Grove
14. University System of Maryland at Hagerstown
15. System Office



- Universities
- Research Institutions
- ▲ Higher Education Centers
- ★ System Office

# University of Maryland Medical System University of Maryland Cancer Network



1. University of Maryland Marlene and Stewart Greenebaum Cancer Center

2. UM St. Joseph Medical Center Cancer Institute\*

3. UM Upper Chesapeake Medical Center Patricia D. and M. Scott Kaufman Cancer Center\*

4. UM Baltimore Washington Medical Center Tate Cancer Center\*

5. UM Charles Regional Medical Center

6. UM Shore Regional Cancer Center

7. UM Rehabilitation & Orthopaedic Institute

8. Mt. Washington Pediatric Hospital

9. UMMC Midtown Campus

10. UM Harford Memorial Hospital

11. UM Shore Medical Center at Chestertown

12. UM Shore Medical Center at Dorchester



\*Formal affiliates of University of Maryland Marlene and Stewart Greenebaum Cancer Center.

● Cancer Treatment Center    ● Other UMMS Facilities

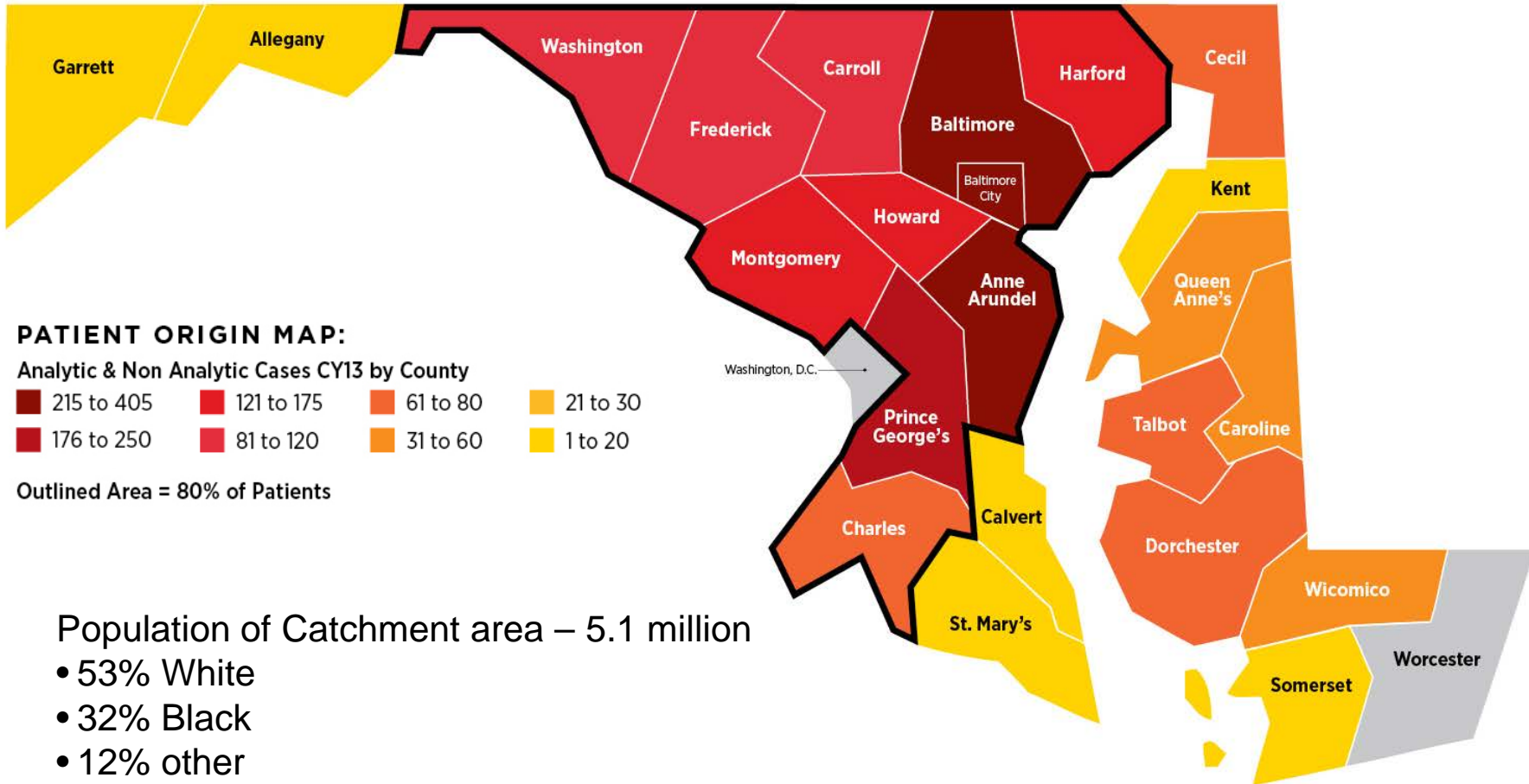
# Cancer Program Size (New Patients) By Tumor Registry Count

New Cancer Patients*		
	CY 2013	CY 2014
UMGCC	2,590	2,645
UM BWMC	1,092	1,237
UM UCH	1,020	1,195
UM SJMC	1,087	1,080
UM SRH	1,192	991
UM CRMC	205	176
<b>TOTAL</b>	<b>7,186</b>	<b>7,324</b>

**1/3 of newly  
diagnosed cancer  
patients in Maryland  
are treated at a  
UMMS hospital**

\* 24,000 New Cancer Cases in Maryland Annually (Includes analytic and non analytic cases)

# UMGCC Catchment Area

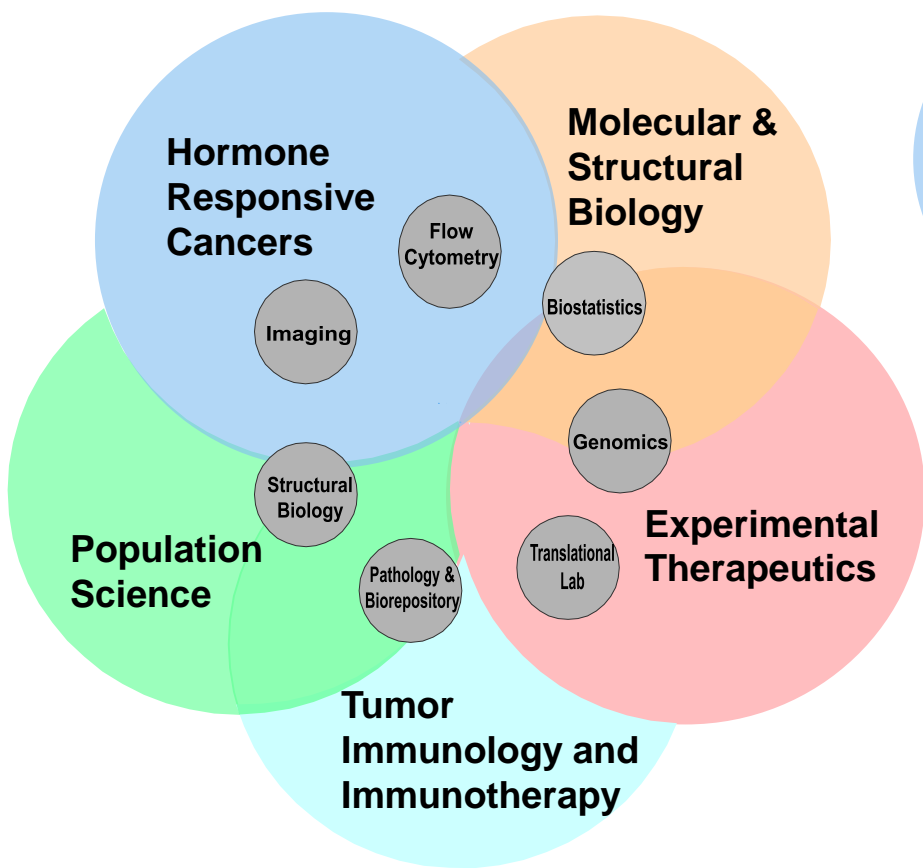


# UMGCC at a Glance (current)

- 5 Research Programs
- 7 Shared Services
- 248 members (115 Full, 133 Assoc.) representing:
  - 4/11 USM Universities
  - 4/6 UMB Schools
  - 14/25 UMSOM Departments
- Total Cancer Funding \$61.7M
- 218 Clinical Trials; 159 interventional
- 1,126 pts accrued

# Programs and Shared Services

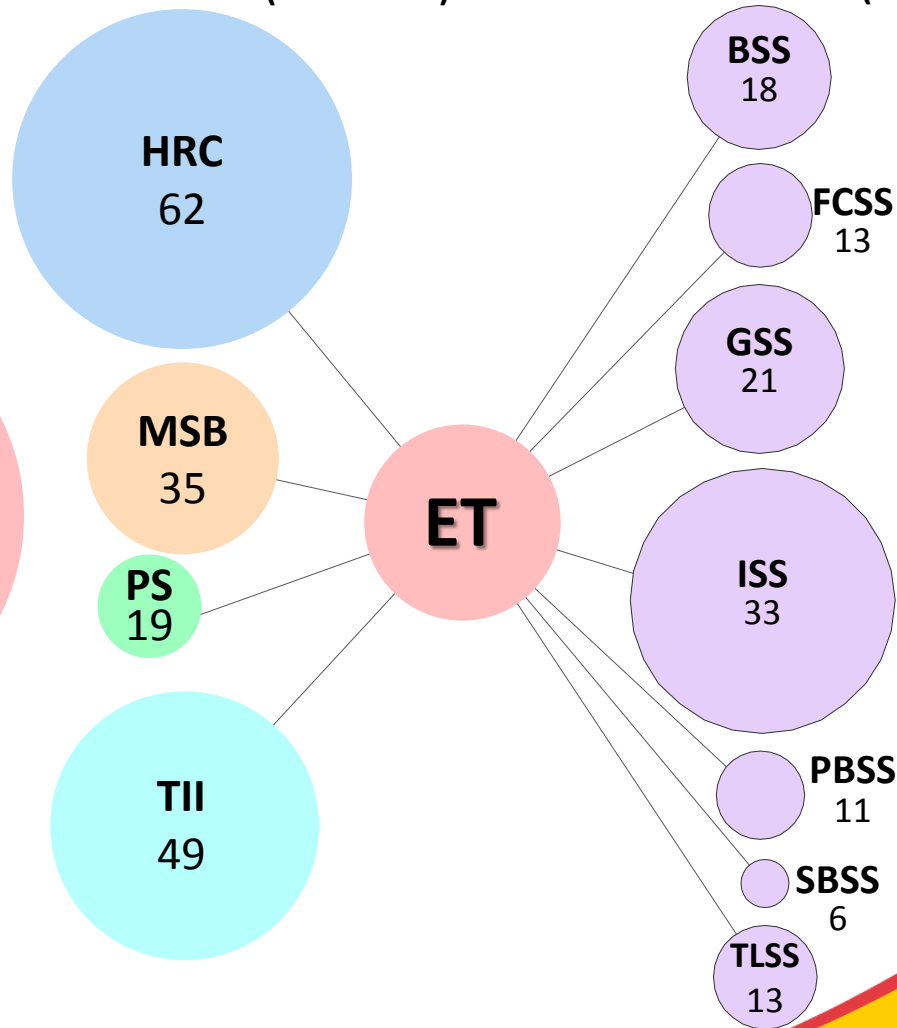
2015



## Demonstration of Interaction and Usage

Co-Authored **Publications** (2010-2014)

Shared Service **Users** (2014)







# Essential Characteristics

- Facilities
- Organizational Capabilities
- Transdisciplinary Collaboration and Coordination
- Cancer Focus
- Institutional Commitment
- UMGCC Director



# Essential Characteristics

- Facilities
- **Organizational Capabilities**
- Transdisciplinary Collaboration and Coordination
- Cancer Focus
- Institutional Commitment
- UMGCC Director

# Educational Activities

## Training and Education Steering Committee

Frontiers in  
Oncology  
CME accredited

Oncology  
Weekly Grand  
Rounds

Annual Cancer  
Biology Research  
Retreat

Research Matters

Clinical and  
Population  
Research  
Training

Junior  
Faculty

Clinical  
Residency and  
Fellowship  
Programs

Professional  
Medical and  
Nursing  
Education

UMGCC Paul Calabresi

- Dr. Toni Antalis New Assoc. Director for Training and Education  
**Chair, Training and Education Steering Committee**
- T32 Cancer Biology Training Grant (Antalis and Civin)
- NCI Paul Calabresi Scholar K12 (Sausville, PI)

Published OnlineFirst December 1, 2015; DOI: 10.1158/0008-5472.CAN-15-2077

Perspective

Cancer  
Research

## Essential Components of Cancer Education

Danny R. Welch<sup>1</sup>, Toni M. Antalis<sup>2,3</sup>, Kerry Burnstein<sup>4,5</sup>, Linda Vona-Davis<sup>6</sup>, Roy A. Jensen<sup>1</sup>, Harikrishna Nakshatri<sup>7</sup>, Anna T. Riegel<sup>8</sup>, Douglas R. Spitz<sup>9</sup>, Dennis K. Watson<sup>10</sup>, and George J. Weiner<sup>11</sup>, The Cancer Biology Training Consortium

Abstract

Middle  
High School

CURE Scholar  
(Hass)  
NIH P30 CA13

# UMB CURE Scholars Program – White Coat Ceremony October 10, 2015

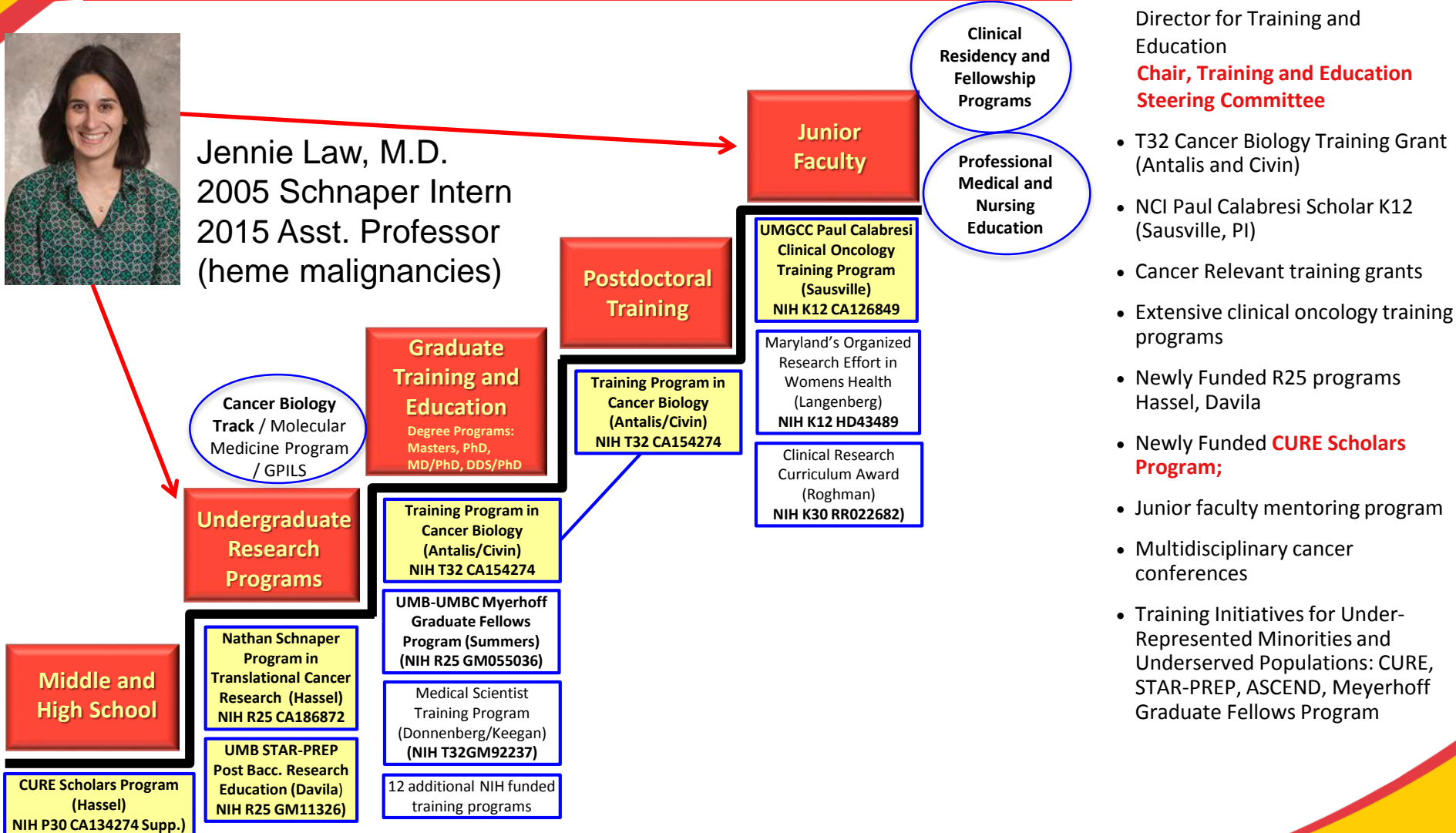


# Educational Activities

## Training and Education Steering Committee



Jennie Law, M.D.  
2005 Schnaper Intern  
2015 Asst. Professor  
(heme malignancies)



- Dr. Toni Antalis New Assoc. Director for Training and Education  
**Chair, Training and Education Steering Committee**
- T32 Cancer Biology Training Grant (Antalis and Civin)
- NCI Paul Calabresi Scholar K12 (Sausville, PI)
- Cancer Relevant training grants
- Extensive clinical oncology training programs
- Newly Funded R25 programs Hassel, Davila
- Newly Funded **CURE Scholars Program;**
- Junior faculty mentoring program
- Multidisciplinary cancer conferences
- Training Initiatives for Under-Represented Minorities and Underserved Populations: CURE, STAR-PREP, ASCEND, Meyerhoff Graduate Fellows Program



# Essential Characteristics

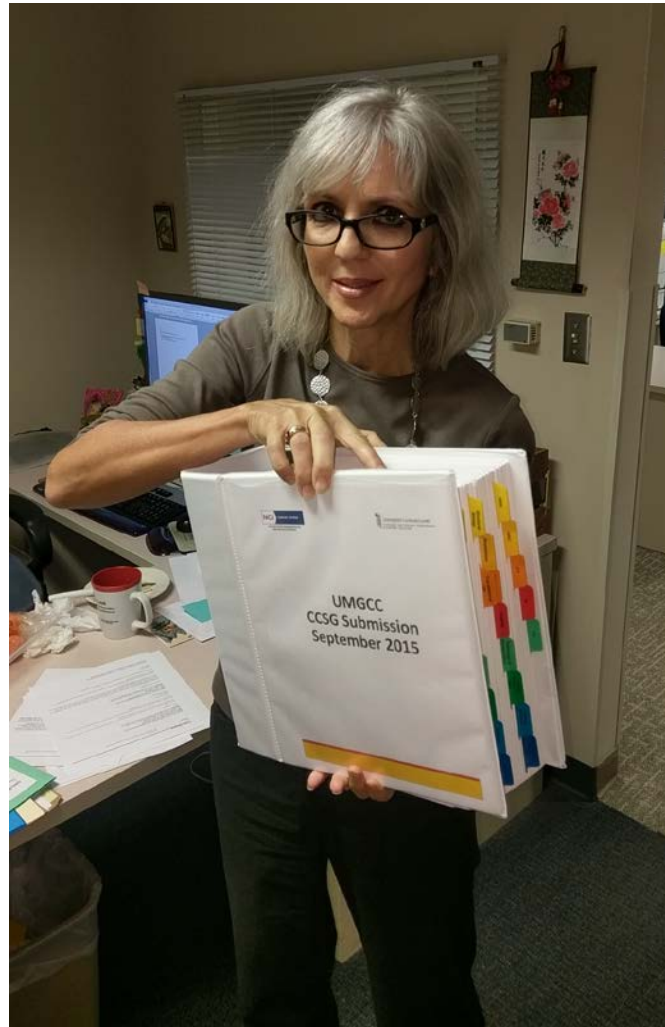
- Facilities
- Organizational Capabilities
- **Transdisciplinary Collaboration and Coordination**
- Cancer Focus
- Institutional Commitment
- UMGCC Director



# Transdisciplinary Collaborations - examples

- **Galeterone for prostate cancer** – medicinal chemistry, preclinical pharmacology, genomics, molecular biology, industrial collaboration
- **AEOL 10150** – mitigation of radiation induced lung injury – preclinical pharmacology, animal modeling, radiation biology industrial collaboration
- **Center for the genomics of pain**– genomics, neuroscience, behavioral science, clinical research
- **Tobacco Center of Regulatory Science** – behavioral science, biostatistics, genomics, regulatory science.
- **GammaPod for treatment of localized breast cancer** – Radiation biology, physics, engineering, industrial collaboration, clinical research

# P30 (CCSG) Submission – September 2015





# NCI Site Visit February 25, 2016



## UMGCC Cancer Center Support Grant (P30)

- There is universal consensus of the review committee that the **criteria for comprehensiveness have been met**. There is considerable depth and breadth in the science of the Center in clinical, laboratory and population research and **translational efforts have resulted in important contributions to the treatment of a variety of cancers**.

## UMGCC Cancer Center Support Grant (P30)

- The **UMGCC** has taken its role in the community quite seriously and is appropriately addressing health disparities and the cancer burden in its **catchment area**. It has also **promoted education** at the middle school through post graduate levels through community an mentoring programs....  
**There is substantial commitment to the problems of the catchment area...**

## UMGCC Cancer Center Support Grant (P30)

- The UMGCC is in the process of fulfilling its potential as a **high achieving center**, producing quality science and impressive translational research...The **significance of the UMGCC is high**...The **progress of the Center over the past 5 years has been impressive**...The application is rated **outstanding**.



UNIVERSITY *of* MARYLAND

MARLENE AND STEWART GREENEBAUM  
CANCER CENTER

**NCI**

**Cancer Center**

A Cancer Center Designated by the  
National Cancer Institute



UNIVERSITY *of* MARYLAND

MARLENE AND STEWART GREENEBAUM  
COMPREHENSIVE CANCER CENTER

**NCI**

**Comprehensive  
Cancer Center**

A Cancer Center Designated by the  
National Cancer Institute

**Thank You!**