WELCOME YE TO TAMPA





Goals for the EAC meeting

- Respond to questions raised at 2018 visit
 - Total Cancer Care and ORIEN
 - Data Science
- Summarize progress since 2018 visit
- Community Outreach & Engagement
- Cancer Research Career Development & Education
- Revisions to two Shared Resources

• Introduce new leadership

- ACDs, Program Leaders, Shared Facility Leaders
- Give them experience
- Get feedback on revised Program Aims

Today's Agenda

Morning	
State of the Center	8:00 - 9:00
Community Outreach & Engagement	9:00 - 9:25
Cancer Research Career Development & Education	9:25 - 9:50
Break	9:50 – 10:05
Population Science	10:05 – 10:35
Data Science	10:35 – 10:55
Shared Resources Biostatistics & Bioinformatics PRISM Core	10:55 – 11:15 11:15 – 11:35
Clinical Science	11:35 – 11:55

Afternoon							
Lunch	11:55 – 12:35						
Programs:							
 Chemical Biology & Molecular Medicine 	12:35 – 12:55						
Immunology	12:55 - 1:15						
 Cancer Biology & Evolution 	1:15 - 1:35						
 Cancer Epidemiology 	1:35 - 1:55						
 Health Outcomes & Behavior 	1:55 - 2:15						
Executive Session	2:15 - 2:35						
Report Out	2:35 - 2:45						
Meeting Adjourns	2:45						

State of the Center

Tom Sellers, PhD, MPH

Center Director

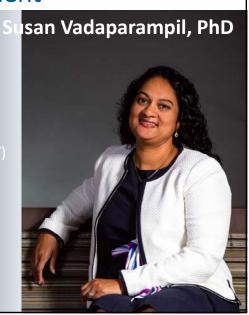


Agenda

- Leadership & Recruitment Updates
- Accolades & Highlights
- Strategic Plans
- Progress
- Summary

Associate Center Director, Community Outreach & Engagement

- Recruited to Moffitt in 2003 from NCI
- A record of service and leadership:
 - Vice-Chair, Health Outcomes & Behavior Department
 - Led the Survey Methods Core Taskforce
- Co-Director of the community-based Breast Cancer
 Genetics Research Education & Advocacy Team (B-GREAT)
- Exceptional scholarship:
 - PI or Co-PI of three R25s
 - Moffitt-Ponce U54 Co-Leader of the Outreach Core,
 Co-Investigator of Research Project 1, & Co-Leader of
 Research Education
 - Nearly 200 peer-reviewed publications



Director, Cancer Research Career Development & Education



- Recruited to Moffitt in 1997 from UNC
- A record of service and leadership
 - Interim Co-Leader of Immunology (2013-16)
 - Vice Chair, Immunology Department
- Founding Director, Cancer Biology PhD Program (est. 2002)
- Founding member of the national Cancer Biology Training Consortium (est. 2005)
 - Served on its Executive Board for 3 years
- Funding
 - U54 Ponce Health Sciences/Moffitt Partnership (PI)
 - R01 on Natural Killer Cell Regulation by PRDM1 & IRF4/8 (PI)
 - R01 targeting SIRT1 in Mantel Cell Lymphoma (Co-PI)
- Over 75 publications



Transitions



Said Sebti, PhD

- Stepped down from CBMM Co-Leader role
- Continues to have an active lab, including PI of an R50

Eric Haura, MD

- Transitioning out of CBMM Program Co-Leader role
- Remains Director, Lung Cancer Center of Excellence
- Recently appointed Interim Chair, Thoracic Oncology

Scott Antonia MD, PhD

- Departing to Duke to lead center for personalized health care
- Served as Program Co-Leader of Immunology for 14 years

Program Co-Leader, Chemical Biology & Molecular Medicine



Recruited to Moffitt in 2007 after residency

Since 2013, Director for Clinical Research in Thoracic Oncology Department

Peer-Review Funded (DOD & FL Biomedical)

Served as PI of over 50 clinical trials (19 IITs)

Over 70 publications

Program Co-Leader, Immunology



- Recruited in 2010 from U of Chicago, Illinois
- Vice Chair of BMT & Cellular Immunotherapy Department
- Chair, Immunotherapy Working Group
- Chair, Cellular Therapy Advisory Committee
- PI of a K23 and former NCI CCITLA Awardee
- Co-led ZUMA-1 Trial, which led to the first FDA approved CAR T therapy for adults

New Scientific Directors Appointed



• Brooke Fridley, PhD

- Leads a newly combined Biostatistics & Bioinformatics Shared Resource (BBSR)
- Chair of Biostatistics & Bioinformatics Department

• Brian Gonzalez, PhD

- Leads newly named and expanded Participant Research, Interventions,
 & Measurement (PRISM) Core Facility
 (formerly Survey Methods)
- Assistant Member, Health Outcomes & Behavior Program

New Scientific Directors: Tissue Core



• Conor Lynch, PhD

- Co-Scientific Director of the Tissue Core
- Member, Cancer Biology & Evolution Program
- Associate Member, Tumor Biology Department



• Ken Tsai, MD, PhD

- Co-Scientific Director of the Tissue Core
- Melanoma & Skin Center of Excellence Co-Director
- Member, Chemical Biology & Molecular Medicine Program
- Sr. Member, Pathology Department

Leader, Phase 1 Program



- New Position
- Adds to her role as Medical Director of the Clinical Research Unit
- Position addresses concerns of Dr. Sullivan's commitments

New EVP/Chief Philanthropy Officer Maria Muller



- 20+ years of experience in fundraising
- Recruited from Boston
 - Was deputy director of the Museum of Fine Arts
- Consulted with the Harvard Art Museums
- Has led multiple \$100 million or more campaigns
- Will advance and execute the strategic vision of philanthropy
- Will support research priorities

Key Senior Members



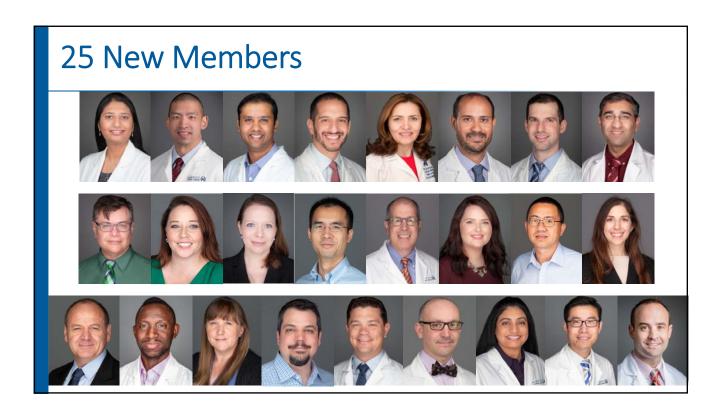
- From Mayo Clinic
- Director, DeBartolo Family Personalized Medicine Institute
- Senior Member & Vice Chair, GU Oncology



- From Cleveland Clinic
- Senior Member & Program Leader, Neuro-Oncology
- Chief of Neurosurgery



- From Mayo Clinic
- Artificial Intelligence Officer
- Senior Member
- Biostatistics & Bioinformatics



Leadership & Recruitment Updates Accolades & Highlights Strategic Plans

Agenda

Progress

Summary





Diverse & Inclusive









100% Moffitt Leaders Completing Diversity & Inclusion Training

Of Executive Positions are Filled by Women & Minorities

Dr. Mulé Appointed to CCSG Parent Committee



- Appointed Subcommittee A Cancer Centers of the NCI Initial Review Group
- 3rd time appointed to Committee
- Term will be from July 1, 2018 to June 30, 2022







- Fred Locke, MD Co-led phase I CAR-T Study (ZUMA-1)
- Published in the <u>New</u>
 <u>England Journal of Medicine</u>
 and <u>Molecular Therapy</u> last year.
- Led to the first FDA approved CAR T therapy

Breakthrough led to national exposure including interviews in *Time*, the *New York Times*, *Washington Post*, and *Newsweek*.



FDA approved Lutathera, a first-of-its-kind peptide receptor radionuclide therapy



JOURNAL OF CLINICAL ONCOLOGY

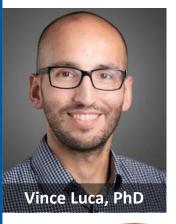
RAPID COMMUNICATION

Health-Related Quality of Life in Patients With Progressive Midgut Neuroendocrine Tumors Treated With ¹⁷⁷Lu-Dotatate in the Phase III NETTER-1 Trial

Jonathan Strosberg, Edward Wolin, Beth Chasen, Matthew Kulke, David Bushnell, Martyn Caplin, Richard P. Baum, Pamela Kunz, Timothy Hobday, Andrew Hendifar, Kjell Oberg, Maribel Lopera Sierra, Thomas Thewenet, Ines Margalet, Philippe Ruszniewski, and Eric Krenning, on behalf of the NETTER-1 Study Group

Newly-Approved therapy provides improved Quality of Life for patients with advanced metastatic midgut neuroendocrine tumors

Grant Highlight





- Awarded Rita Allen Foundation Grant
- First Moffitt recipient of this award
 - Elsa Flores had one when at MD Anderson
- Award: \$500,000 total costs over 5 years
- Project will develop synthetic proteins that reprogram the ubiquitination system to eradicate diseaseassociated receptors from the cell membrane

Grant Highlight



José Conejo-Garcia, PhD

- Awarded NCI U01 entitled "B cell-dependent anti-tumor immunity in ovarian cancer"
- \$3,907,925 in total costs over 5 years

"Our work will exert a profound effect in the field by elucidating how epigenetic programs controlled by SATB1 govern the generation of TFH cells at tumor beds in a TGF- β -dependent manner. Recapitulating these mechanisms in vivo will pave the way for more effective immunotherapies aimed to promote combined humoral and T cell responses through the orchestration of TLS in unresectable/metastatic tumors, and could lead to the identification of antibodies with anti-tumor activity spontaneously produced at tumor beds."

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Institutional Strategic Plan

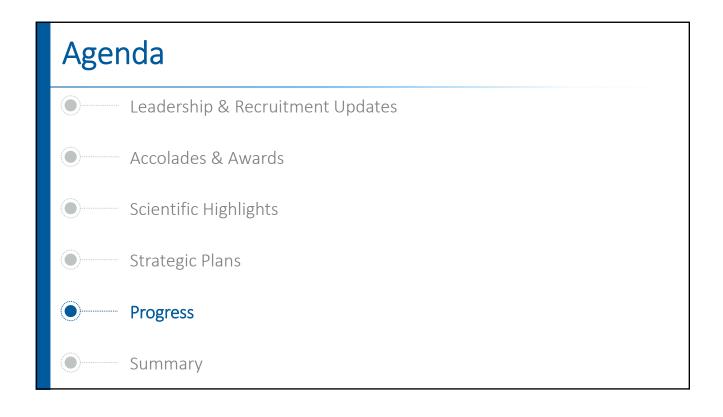
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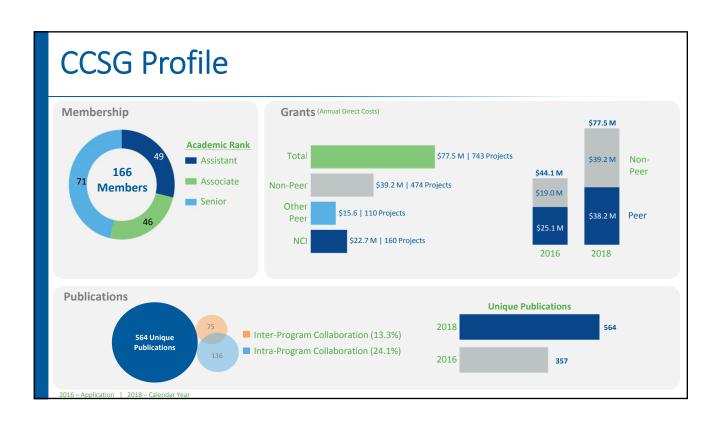
Expanding Moffitt's leadership in the oncology market and developing a personalized care model driven by preeminent research and digital capabilities that enhances value and patient experience

Institutional Strategic Plan: 3 Pillars Research Foci Management of the Patient's All 5 CCSG Programs Personalized Care • All 4 CoEs Care Throughout the Journey Continuum • Health & Research Informatics **Delivering Breakthroughs** Digital Care & Discovery • Patient Reported Information with New Digital & Data Accelerator & Outcomes **Capabilities** mHealth Rapid Expansion Through Clinical trials Market Expansion Satellites & Partnerships to Primary prevention Health Care Delivery Reach More People Community Outreach

Deta	Detailed Research Strategic Plan Roadmap										
	Mar 2018	Mar- Apr	Apr	Apr-May	Jun-Jul	Jul-Aug	Sept	Oct-Nov	Nov-Dec	Jan/Feb 2019	March
Groups	IMPACT '28 Review	Launch RSP19 Dev	RSP Framework/ Goals	Review IMPACT 2028, RSP19 Framework, Identify Strategic Goals	Review RSP19 Strategic Goals	Review & discuss Strategic Goals & initial Tactics	Review, select strategic goals, prioritization, tactics, etc.; consolidate feedback, draft strategies & task groups	identify & formulate tactics	Review and revision of Full RSP Draft	Discussion of final plans, revisions as appropriate	Final Plan Distributed
Ops/CEO Cabinet /SEC											
REX											
SLC											
Prgms/CoEs											
CLC											
Faculty Forum											
RAMM											
FORUM											
Task Groups											
Planning											
Res Admin											

Research Strategic Plan Summary						
Fundamental Principles						
Retain NCI Comprehensive Cance	r Center Status	Drive exceptional science and innovation				
Must support IMPACT	2028	First in human trials that change clinical practice				
Moffitt is THE best place on earth for science, recruiting and retaining the best talent, out-competing for grant funding, and achieving international recognition for the impact it has on changing paradigms, clinical and public health practice, and policy.						
Strategies						
Optimizing Intellectual Capability Recruit/develop talent Explore new mentoring strategies Enhance recruiting materials/tactics Broaden multi-institutional collaborations	Creating Fuel for Discovery Diversify funding sources Build on & monetize unique capabilities Enhance infrastructural support functions Enhance Foundation focus		Generating Impact Thought leadership & (inter)national exposure Develop strategies for data Foster science impacting catchment Expand unique capabilities			



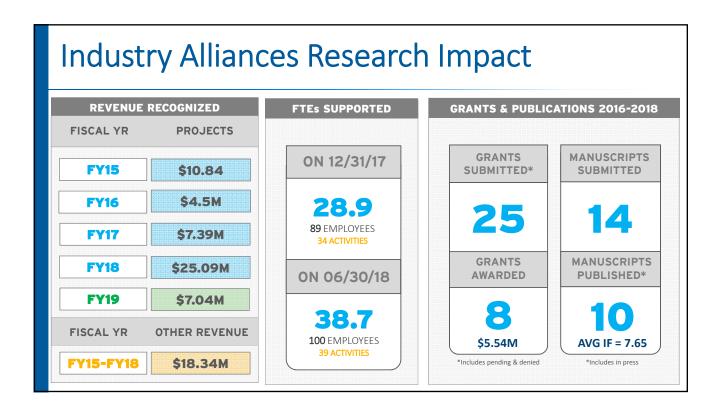


Program Health NCI Funding Recommenda 5 Independent PIs 7 R01s or Equivalent Project					
	Total Members	Peer Review Funded PIs	R01/Equivalent Projects (# PIs)	R01/Equivalent Annual Direct Costs	
✓ Cancer Biology & Evolution	28	18	16 (9)	\$6.6 M	
✓ Cancer Epidemiology	26	19	14 (10)	\$4.8 M	
✓ Chemical Biology & Molecular Medicine	55	26	24 (13)	\$6.4 M	
✓ Health Outcomes & Behavior	19	9	11 (7)	\$3.1 M	
✓ Immunology	38	23	17 (12)	\$6.8 M	

All Intervention Trial Accrual by Program (CY 2018)

	Treatment	Supportive Care	Prevention	Total
СВММ	946	6	23	975
IMM	206	0	16	222
СВЕ	9	0	0	9
НОВ	4	81	52	137
CE	26	0	439	465
Total	1191	87	530	1808





Industry Alliance Highlight: Marco Davila, MD, PhD

- Agreement with Atara Biotherapeutics
- A collaboration to develop multi-targeted CAR T immunotherapies designed to address cancers with diverse cell types that often become resistant to treatment such as AML and B-cell malignancies
- 4 significantly funded research projects, each for 3 years
- Largest independent license agreement to date for Moffitt



"I look forward to rapidly advancing our CAR T engineering and multi-antigen targeting technologies with Atara to address the high unmet need in patients with advanced AML and B-cell malignancies."

Leading to Peer-reviewed Funding (2018)



- Melanoma Research Alliance
- \$225,000 for 3 years





- NCI R01 Renewal
- \$1,838,250 for 5 years





- Florida Biomedical
- \$815,283 for 3 years





- Florida Biomedical
- \$815,289 for 3 years



Leading to Publication



Clinical Cancer Research

Quantitative Spatial Profiling of PD-1/PD-L1 Interaction and HLA-DR/IDO-1 Predicts Improved Outcomes of Anti–PD-1 Therapies in Metastatic Melanoma





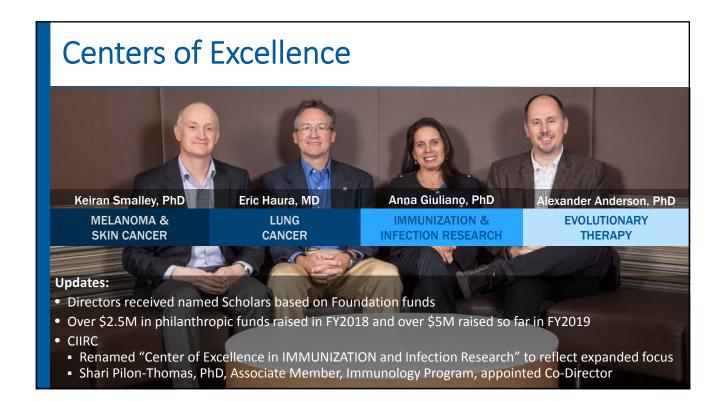


Cancer Cell

TIM-3 Regulates CD103⁺ Dendritic Cell Function and Response to Chemotherapy in Breast Cancer







Building for Tomorrow: Clinic Support Services

- Opens Spring 2020
- 8 story; 200,000 sf
 - Behind Hospital on Magnolia Campus
- To house:
 - Office functions
 - Executive suites
 - Clinical & anatomic pathology labs
 - 5th floor for dry lab research



Building for Tomorrow

- Magnolia Campus Renovation
 - New inpatient expansion
 - 12 new inpatient beds
 - 8 treatment/observation bays
 - To open October 2019
 - Expansion of various services
 - Multiple projects 2020-2023
- New Solid Tumor Hospital (McKinley East Campus)
 - 400,000 sf
 - Phase 1: 128 beds & 24 OR suites
 - Phase 2: 76 beds
 - Estimated Spring 2023

- 5 new outpatient clinic sites
 - Over the next 5 years
 - New construction or partnerships
 - 25-30K sf per site
 - Medical oncology, infusion, & radiation oncology
- New research tower
 - To replace current MRC
 - Estimated 150-200K sf
 - Research Master Plan under development
 - Date TBD
 - Pending additional state or philanthropic funding



Agenda Leadership & Recruitment Updates Accolades & Highlights Strategic Plans Progress Summary

Questions (for the end of the day)

- Do you support the revised Program Aims?
- Are we making adequate progress?
- Are there blind spots we appear to have missed?

Debbie Magley In Memoriam

- Battled ovarian cancer for over two years, passing away in September 2018 at the age of 62
- Just shy of 20 years of service at Moffitt
- Was essential to CCSG support & our success
 - 3 CCSG renewals
 - EAC annual meeting support since 2003

