

Meharry-Vanderbilt-TSU Cancer Partnership 2018 PACHE Meeting

Maximizing Institutional Research Capacity Through Building Relationship and Collaboration With the Institution

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Outline of Talk

Objectives: Leveraging PACHE support to advance cancer health disparities research

Outline:

- 1. Brief history of Meharry-Vanderbilt-TSU (MVT) Cancer Partnership and Meharry Translational Research Center (MeTRC) U54 grants
- 2. Main structural and programmatic similarities/differences between these two programs
- 3. Critical experiences for leading these two similar but dissimilar programs
- Interactions, leveraging and institutional collaborations between these programs & NIH
- 5. Educational programs and shared/utilization of common resources
- 6. Complementarity and diverse challenges and Institutional support
- 7. Examples of tangible outcomes and conclusions
- 8. Acknowledgements

Brief History of MVT Cancer Partnership and Meharry Translational Research Center (MeTRC) U54 Grants

MVT Cancer Partnership

- 1999: Meharry-Vanderbilt Cancer Partnership established with Drs. Hal Moses and Samuel E. Adunyah original PIs
- 2001: 1st NCI U54 funding
- 2006: Renewal and TSU added as subcontract to Meharry
- 2011: Renewal as a Triad MVT Cancer Partnership with multiple PIs approach
- 2016: Renewal as MVT Cancer Partnership with Multiple PIs approach

* 19 years experience as a PI and Meharry's Admin Core Director of NCI cancer partnership U54 Grant

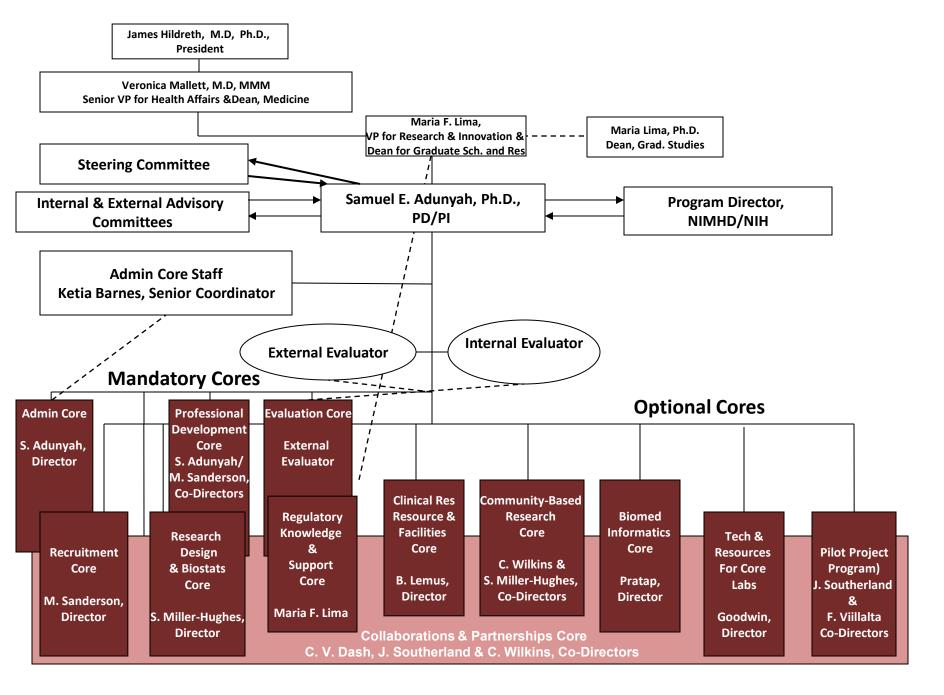
*16 years experience as Co-chair of our partnership IAC and PIs Executive Committee Meetings were relevant

Meharry Translational Research Center (MeTRC)

- 2008: Established with HIV Center for Health Disparities and Women's Health Center as main focus
- 2009: Funded by U54 mechanism from NCRR with Dr. James Hildreth as PI/PD
- 2011: Dr. Adunyah appointed as PI/PD and Director of Admin Core
- 2011: Dr. Adunyah appointed Ketia Barnes as Senior Program Coordinator to oversee Admin Core Staff of 4
- 2012: Focus of Center expanded to include cancer, CVD, diabetes and Neurological Disorders
- 2014: Successful competing renewal (**impact score of 20**) with funding from NIMHD with Dr. Adunyah as PI/PD and Director of Admin Core
- 2016: Funded as an eMERGE Affiliate site with Dr. Adunyah as PI and funded by NIMHD with sequencing support from NHGRI

Comparison Between Components of MVTC Partnership and Meharry Translational Research Center (MeTRC)

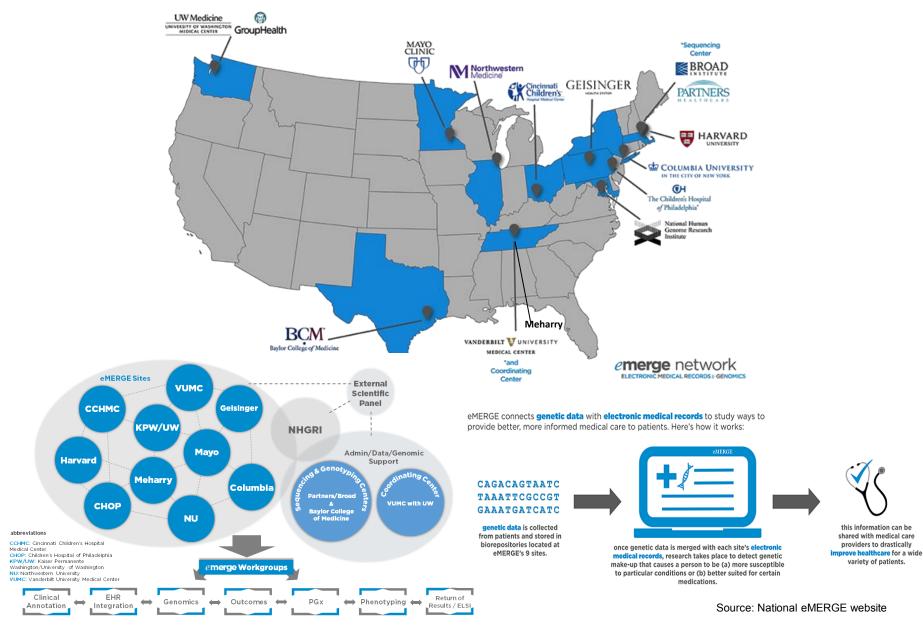
	MVT Cancer Partnership (PACHE)	Meharry Translational Research Center (MeTRC) R-CTR
Core Resources Support	6 Cores	12 Cores
Mandatory Cores	Admin CoreEvaluation	 Admin Core Collaborations and Partnership Core Evaluation Core Professional Development
Optional Cores	 Biostatistics Core (Vanderbilt) Clinical Trials Core (Meharry) Translational Pathology (Meharry) Outreach Core (TSU, Vanderbilt, Meharry) Cancer Education & Research Training (Meharry, TSU, Vanderbilt) 	 Biomedical Informatics Core Clinical Research Resources Core/Clinical Translational Research Core Clinical Translational Pilot Project Program Community-Based Research Core/Community Engagement Core/CERC Research Design and Biostatistics Core Regulatory Core Knowledge and Support Core Recruitment Core Technologies and Resources for Core Laboratories
Research Projects (Total # supported)	 4 to 5 R01 types full projects 2 to 3 Pilot Projects 	 21 Pilot Projects 2 CERC Projects
Governance	 Pls Executive Committee (plus Admin Core Staff as non-voting members) IAC PSC NCI 	 Steering Committee (plus 4 Admin Core Staff as non-voting members) IAC EAC NIMHD and NHGRI



Leveraging MVTC Partnership NCI U54, NIMHD Translational Research Center (MeTRC) U54, RCMI U54 Grants Meharry Institutional Resources

Area of Leverage	MVT Cancer Partnership NCI U54	Meharry R- Center (MeTRC) NIMHD U54	Meharry Institutional Funds	New RCMI NIMHD U54
Faculty Recruitment Phil Lammers, M.D Medical Oncologist	Partial salary support as Director of Oncology Clinical Trials Core Partial salary support as PI of MVT Cancer Partnership	Partial salary support @ 40% effort + Postdoc R21 type pilot project support as PI	Partial salary support via Department of Internal Medicine & Dean's Office	
Translational Pathology Core (Morphology and Tissue Bank)	Partial salary support for Drs. Billy Ballard & Shawn Goodwin, Co-Directors, Lab supplies Lab Personnel	Partial salary support for Dr. Shawn Goodwin, Director Postdoc support New Equipment & Lab Supplies	Partial salary support for Dr. Billy Ballard, Chair and & Chief Pathologist, Department of Pathology	Salary support for Dr. Shawn Goodwin Equipment Lab supplies

eMERGE : Electronic Medical Records and Genomic Network



variety of patients.

Leveraging MVTC Partnership NCI U54, NIMHD Translational Research Center (MeTRC) U54, RCMI U54 And Meharry Institutional Resources

Area of Leverage	MVT Cancer Partnership NCI U54	Meharry R-Center (MeTRC) NIMHD U54	Meharry Institutional Funds	NHGRI Sequencing Support
 eMERGE Project Goal: Recruit 500 AA for genetic studies on breast, colon, lung and prostate cancer for germ line DNA sequencing Return of Actionable/Pathological Sequencing results to Primary Care Physicians and participants via EMR Deposit data in the national eMERGE database 	 Drs. Adunyah & Lammers' role in study design Dr. Lammers' role in identification of participants and enrollment Oncology CTO's involvement 	 Funded by NIMHD as a supplement to MeTRC U54 grant MeTRC Admin Core's admin support Dr. Sid Pratap's role MeTRC supported e- IRB Drs. Murray and Singh and CTRC's Staff role on participants recruitment, consenting, enrollment, blood collection & shipping 	 Assistance from Meharry's Grant Administration/Grant Management assistance IRB Office 	 Paid for genetic sequencing (germ line sequencing) of participants DNA at eMERGE sequencing lab @ Baylor University
Project Update: Successful and near completion	Return of Results (RoR)	Role in RoR		

Leveraging MVTC Partnership NCI U54, NIMHD Translational Research Center (MeTRC) U54, Office of Minority Health Resources And Meharry Institutional Resources

Areas of Leverage	MVT Cancer Partnership NCI U54	Meharry R-Center (MeTRC) NIMHD U54	Meharry	Office of Minority Health Resources (OMHR)
Training of Medical Students in Summer Cancer Research	Yes Summer Medical Students research Support	Yes MeTRC support- Investigators and core facilities provide training at Meharry	Yes Other Meharry Cancer Researchers serve as mentor students	No
Training of PhD and MSPH Students	Yes Stipend and Research Supplies	No (Indirectly)	Yes (School of Graduate Studies and Research)	No
Cancer Research Pilot Projects	Research projects led to 2 SC1 projects (specific examples: Drs. Anil Shanker & Amos Sakwe)	MeTRC supported cancer research pilot projects (R03 or R21 types)	Meharry IRB/IACUC Office Grants Office	No
Grant Writing (Professional Development)	No	Yes. Planned and provided travel award for more than 20 attendees from other HBCUs.	Yes. IT Technical support and CME Program	Drs. Tamara Henry from OMHR as Speaker and Facilitator



- Leadership in NCI-supported PACHE U54 program provided me an extraordinary experience for PI/PD role towards successful renewal of Meharry's R-CTR Program
- Strong complementarity and yet major difference exit between PACHE and R-CTR Programs
- Collaborations, resources sharing and interaction between these programs and Meharry Medical College are germane to Meharry's overall research mission towards addressing health disparities in cancer, CVD, diabetes and HIV/AIDs

Acknowledgements

NCI:

5U54CA163069 (MVTC Partnership) Program Staff/Officers Dr. Sanya Springfield Dr. Nelson Aguila Dr. Anil Wali Dr. Peter Ogunbiyi Other Program Staff Grant Admin

MVT Cancer Partnership:

Dr. Hal Moses, PI, VICC Dr. Ann Richmond, VICC Dr. Phil Lammers, PI, Meharry Dr. Baqar Husaini, PI, TSU Dr. Margaret Whalen, PI, TSU Ms. Ketia Barnes, Senior Program Coordinator Ms. Susan Mills, Former Senior Administrator, VICC Mr. Wayne Green, Program Coordinator Ms. Meggan Novotny , Program Coordinator Ms. Anne Washburn

NIMHD:

5U54MD007593 (MeTRC & eMERGE Supplement) NIMHD Director Dr. Rina Das Dr. Regina Douthard Capt Dr. Leslie Cooper Dr. Sheila McClure Grants Admin Staff

NHGRI:

NHGRI Director eMERGE Program Officers Dr. Rongling Li Dr. Ken Wiley Dr. Jyoti Gupta Program Staff & Baylor Seq Lab eMERGE Coordinating Center Staff, Vanderbilt

Meharry Medical College/MeTRC:

Dr. James Hildreth (Current President) MeTRC Admin Core Staff MeTRC Core Directors MeTRC Activity Leaders MeTRC eMERGE Leaders/CTRC Staff MeTRC Steering Committee MeTRC EAC Members Dr. Phil Lammers Dr. John Murray Dr. Rajbir Singh MeTRC Investigators