

Diversity Pipeline Programs Meeting



Friday, October 11, 2019
8:30am - 5:30pm

Institute of Marine and Environmental Technology (IMET)
701 E. Pratt Street, Baltimore, Maryland



A Cancer Center Designated by the
National Cancer Institute



Diversity Pipeline Programs Meeting

Sponsored by Becton Dickinson

Friday, October 11, 2019 8:30a - 5:30p

Institute of Marine and Environmental Technology (IMET), 701 E. Pratt Street, Baltimore, Maryland

8:30a Arrival and Poster setup

9:00a Welcome Breakfast

9:30a Concurrent Sessions:

Concurrent Morning Sessions:

PIs and Program staff

Auditorium

9:30a Introduction and Perspectives

- **Dr. Jay Perman**, President, UMB
- **Dr. Nikos Pavlidis**, VP/GM for Molecular Diagnostics and Women's Health & Cancer Becton Dickinson

The Role of Pipeline Programs to Enhance Diversity in the Biomedical Workforce: Funding Opportunities for Development and Sustainability

- **Dr. Alison Lin**, Deputy Chief, Diversity Training Branch, NCI Center to Reduce Cancer Health Disparities
- **Dr. Tony Beck**, SEPA Program Director, Division for Research Capacity Building NIGMS

10:15a Developing Best Practices and Addressing Barriers in Pipeline Programs: Perspectives from Local, Regional and National Programs

- **Dr. Bret Hassel**, UMGCCC – Evolution of UMB Pipeline Programs; *Nathan Schnaper Intern Program and Bridges to the Doctorate.*
- **Dr. Gia Grier-McGinnis**, UMGCCC - *The UMB CURE middle school program is the entry point to a robust cancer education pipeline in Baltimore.*
- **Dr. Elizabeth Parker**, UMGCCC - *CURE Connections links UMB CURE to college and beyond.*
- **Dr. Greg Carey**, UMGCCC - *STAR PREP.*
- **Stephanie Withey**, Program Director MERIT Health Leadership Academy, Baltimore MD
- **Christine Newman**, Assistant Dean for Engineering Education Outreach, Johns Hopkins University and B'more STEM Working Board- *The B'more STEM Ecosystem.*
- **Dr. Eileen Dolan**, University of Chicago - *Eyes on Cancer Program.*
- **Dr. Mark Jackson**, Case Cancer Center - *Youth Engaged in Science.*
- **Dr. Maurice Godfrey**, University of Nebraska - *Engaging Native American Students in Cancer Research*
- **Dr. Christine Hohmann**, Morgan State University - *BUILD ASCEND Program*

11:50a Break

Trainees

MPR

9:30a Introductions

Networking Mentor-Mentee Relationships Workshop and Networking Exercise

- **Jen Aumiller**, UMSOM Office of Postdoctoral and Student Career Development

11:50a Break

Joint Afternoon Session:

Atrium

12:00p Lunch (*assigned seating and discussion*)

1:00p Summary of Table Discussions

1:30p Break

1:40p Poster Session

2:45p IMET Tours

3:25p Break, move to Speed Mentoring

3:30p Speed Mentoring Session, CABTRAC & Pipeline

4:30p Poster Awards, closing remarks and acknowledgements

5:15p Acknowledgements

5:30p Adjourn

Poster session

#	Presenter	Affiliation	Poster Title
1)	Aysha Ahmad	University of Illinois at Urbana-Champaign	Fertility concerns among young women with breast cancer
2)	Akinwumi Akinfenwa	Baltimore Polytechnic Institute	The presence of PKS in an inducible mouse model
3)	Janiya Andrews	Western High School	Artificial Intelligence Advancements in Robotics Research
4)	Jermaine Blackwell-Smith	Franklin Square Middle School	Investing colorectal cancer health disparities in African-Americans
5)	Alex Burr	Whitney Young High School	Modulating colon carcinoma cells for effective non-viral gene therapy with ionizing radiation
6)	Sam Cooper	Baltimore City College	Analysis of Rosa Myc Rheb expression
7)	Jade Dodge	Morgan State University	Protein arginine methyltransferase 5 inhibition enhances the antitumor efficacy of trametinib in glioblastoma neurospheres
8)	Markia Eubanks	Baltimore Polytechnic Institute	Health campaign brochure: HIV/AIDS
9)	Antonio Figueiredo	University of Maryland School of Medicine	Amotivation and increased acetylcholine release in mice with hippocampal CB1 deletion on cholinergic terminals
10)	Jaylen Galmore	Green Street Academy	Racial disparities in prostate cancer
11)	Morgan A. Hall	Morgan State University	Analysis of nutrient profile and formulation of finger millet (<i>Eleusine Coracana L.</i>) with chickpea (<i>Cicer arietinum L.</i>) protein source on infant complementary foods in Kenya
12)	Kevin Herold	University of Maryland, Baltimore	Sexual differentiation of pro-proliferative and anti-proliferative genes in the developing hippocampus
13)	Jeff Inen	University of Maryland School of Medicine	mTOR optogenetics
14)	Mohamed Kouneta	Southwest Baltimore Charter School	Colorectal cancer health disparities in African-Americans
15)	Blair Landon	University of Maryland, Baltimore County	Development of a blood-brain barrier model for screening brain tumor nanotherapeutics
16)	Tyjahnae Morton	Green Street Academy	New Treatments and Drugs Oral Cancer
17)	Shanali Natta	Towson University	<i>Salmonella</i> group C infections: pathogenesis and vaccines
18)	Amanda Nweke	Morgan State University	Does chronic exposure to marijuana alter brain structure: MRI in adult female mice
19)	Aamir Peoples	Green Street Academy	Health campaign brochure: Scoliosis
20)	Marta Pere-Vazquez	Towson University	Identification and characterization of <i>Escherichia coli</i> genes associated with phagocytosis to the social amoeba <i>Dictyostelium discoideum</i>
21)	Kane Samuel	Frostburg State University	Comparison of identification methods for potential aquatic bacterial pathogens by MALDI-TOF MS and 16S rRNA sequencing
22)	Bianca Savant	University of Illinois at Urbana-Champaign	The search for natural inhibitors of CXCR4 as a strategy for colorectal cancer prevention
23)	Mya Smith	The University of Chicago Comprehensive Cancer Center	4D imaging of PD-1 and PD-L1 on Jurkat T-Cells
24)	Summer Smith	Baltimore Polytechnic Institute	Macrophage and prostate cancer racial disparities
25)	Moin Vahora	The University of Chicago	The discovery and mechanistic role of tumor cell-specific programmed cell death protein 1 (PD1) in PTEN-deficient advanced prostate cancer
26)	Raekwon Williams	Baltimore Polytechnic	Targeting glutamine metabolism in M2 TAMs in the tumor micro environment of prostate cancer
27)	Kayla Wyche	Green Street Academy	Pancreatic cancer: overview

The organizers of the Diversity Pipeline Programs Meeting sincerely thank our sponsors for their generous support:

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Morgan State University BUILD ASCEND program



Towson University Bridges to the Doctorate Program



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Comprehensive Cancer Center



UMB CURE
Scholars Program

Special thanks to:

- Program participants and trainees for poster judging speed mentoring and meeting implementation.
- Dr. Greg Carey and the UMSOM Office of Student Research for award certificates.



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Meeting Organizing Committee

Dr. Bret Hassel, Leanne Simington, Dr. Toni Antalís, Sheridan Wilder and Dr. Ryan Richardson; Megan Mekinda and U.Chicago team; Damian Junk and the Case CC team