

Health Outcomes & Behavior

Thomas H. Brandon, PhD
Program Leader



Health Outcomes & Behavior

Goal

To contribute to the prevention, detection, and control of cancer through the study of health-related behaviors, health-related quality of life, health care practices, and cancer-related health disparities

Previous Aims

1. Develop & promote **prevention and early detection** of cancer
2. Enhance **quality of life** of patients & family
3. Enhance **quality of cancer care**
4. Address cancer **health disparities**

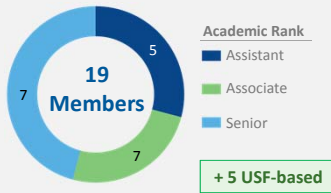
Pending Aims

1. Develop & promote **prevention and early detection** of cancer
2. Enhance **quality of life** of patients & family
3. Advance cancer **health equity**

Thematic Area: Enhancing quality of cancer care (CCDR)

Health Outcomes & Behavior

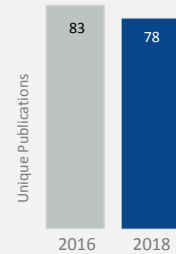
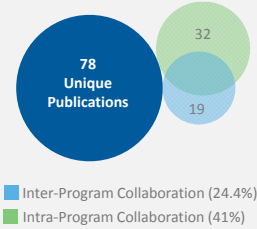
Membership



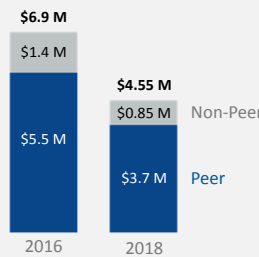
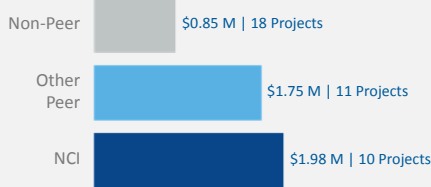
Peer Reviewed Funded PIs

9

Publications



Grants (Annual Direct Costs)



Current

R01/Equivalent Projects

11 (7 PIs)

Annual Direct Costs

\$3.1M

Excludes 3 R25s, 1 K01, & 1 CCSG Supplement

2016 – Application | 2018 – Calendar Year

Advice from 2018 EAC

Advice	Action
Consider dropping Aim 3	Dropped Aim 3
Build depth in other aims	Growing the HOB Program <ul style="list-style-type: none"> Hired Dr. Christy (Aims 1, 3) Hiring QOL/PRO (Aim 2) Expecting 3-4 additional lines before CCSG
Look for ways to build CCD research <ul style="list-style-type: none"> Hires that “bleed” into CCD Encourage current faculty to move into CCD 	Fostering CCD research <ul style="list-style-type: none"> Internal funding Bringing in clinical scientists <ul style="list-style-type: none"> Protected research time Mentoring plan External searches

Similar advice emerged from Program Retreat

Changes in Membership

New Faculty Member



- **Shannon Christy, PhD**
 - Assistant Member
 - Research:
 - Prevention & early detection (Aim 1)
 - Health Disparities (Aim 3)
 - Multi-level interventions
 - Previous R25 fellow

Upcoming Departures

- **Teresita Munoz-Antonia, PhD**
 - Health Disparities
- **David Drobos, PhD**
 - Tobacco Research
- **David Evans, PhD**
 - Tobacco Research

Recruitment - 4 Open Positions

- **Program Co-Leader (Aim 2-3)**
- **QOL/PRO (Aim 2)**
- **2 Open Area/Open Rank**
(for Drobos/Evans)
 - Preference: Tobacco or CCDR

R01-Equivalent Grant Update – Last Year

	Type	PI(s)	Title	End Date
1	NCI R01	Brandon/Simmons	Expanding the reach of a validated smoking-cessation intervention: A Spanish-language RCT	7/21
2	FL JEK	Drobos	Facilitating smoking cessation with reduced nicotine cigarettes	2/21
3	FL B-C	Gwede	Community CARES: A Multilevel Intervention to Increase Colorectal Cancer Screening Adherence...	2/22
4	NCI P20	Meade/Cress	Southeast Partnership for Improving Research & Training in Cancer Health Disparities	8/21
5	NCI R01	8 th Percentile		
6	NCI R01	8 th Percentile		

R01-Equivalent Grant Update – Current

	Type	PI(s)	Title	End Date
1	NCI R01	Brandon/Simmons	Expanding the reach of a validated smoking-cessation intervention: A Spanish-language RCT	7/21
2	FL JEK	Drobes	Facilitating smoking cessation with reduced nicotine cigarettes	2/21
3	FL B-C	Gwede	Community CARES: A Multilevel Intervention to Increase Colorectal Cancer Screening Adherence...	2/22
4	NCI P20	Meade/Cress	Southeast Partnership for Improving Research & Training in Cancer Health Disparities	8/21
5	NCI R01	Jim	Improving Prediction of Chemotherapy-Induced Nausea: Integrating Genes, Behavior, and the Microbiome	5/23
6	NCI R01	Jim	Randomized Placebo Controlled Trial of Bupropion for Cancer Related Fatigue	5/23
7	NCCIH R34	Vinci	Development of a Mindfulness-Based Treatment for the Reduction of Alcohol Use and Smoking Cessation	6/21
8	NIDA R34	Impact Score: 21		3/22

R01 CA214647: Randomized Placebo-Controlled Trial of Bupropion for Cancer-Related Fatigue

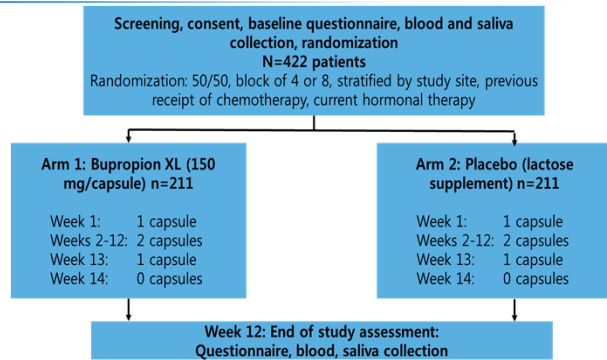


Heather Jim, PhD



Co-Investigators:

- Hyo Sook Han, MD (CBMM)
- Howard McLeod, PharmD (CE)



Study Aims:

1. To determine the efficacy of bupropion on fatigue (primary outcome), QOL, depression (secondary outcomes) in fatigued breast cancer survivors
2. To evaluate the tolerability of bupropion
3. To explore the effects of bupropion on inflammation and cortisol
4. To explore associations of CYP2B6*6 genotype with bupropion metabolism & fatigue

R01 CA219389: Improving Prediction of Chemotherapy-Induced Nausea & Vomiting (CINV): Integrating Genes, Behavior, & the Microbiome

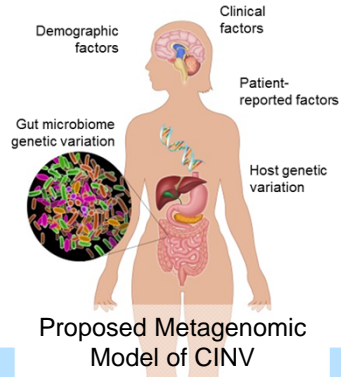


Heather Jim, PhD



Co-Investigators:

- Martine Extermann, MD (HOB)
- Richard Kim, MD (CBE)
- Youngchul Kim, PhD (CBMM)
- Howard McLeod, PharmD (CE)



Study Aims:

1. To conduct the first GWAS of CINV
2. To use pathway analysis to identify new mechanisms (place genes in their functional context)
3. To develop & validate new risk prediction models based on genetic, clinical, & patient-reported risk factors
4. To explore composition and gene expression of gut microbiome as risk factors for CINV

Representative Publications



PAPER

WILEY

Associations between the smoking-relatedness of a cancer type, cessation attitudes and beliefs, and future abstinence among recent quitters



Úrsula Martínez¹ | Thomas H. Brandon^{1,2,3} | Steven K. Sutton^{2,3,4} | Vani N. Simmons^{1,2,3}
Original Article



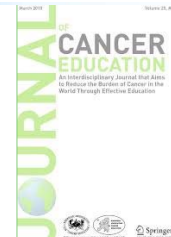
Sleep Disturbance in Men Receiving Androgen Deprivation Therapy for Prostate Cancer: The Role of Hot Flashes and Nocturia



Brian D. Gonzalez, PhD | Brent J. Small, PhD²; Mallory G. Cases, MPH, CPH¹; Noelle L. Williams, MD²; Meyer N. Fishman, MD, PhD³; Paul B. Jacobsen, PhD¹; and Heather S.L. Jim, PhD¹



Comparison of Health Communication Channels for Reaching Hispanics About Biobanking: a Pilot Trial



Jessica McIntyre¹ | Julio Jiménez^{2,3} | Yonaira M. Rivera¹ | Steven K. Sutton^{4,5} | Gloria Ascencio³ | Eida M. Castro-Figueroa^{2,3} | Clement K. Gwede^{1,5} | Thomas H. Brandon^{1,5} | Susan T. Vadaparampil^{1,5} | Vani N. Simmons^{1,5} | Johanna Corchado³ | Laura Moreno¹ | Kristen J. Wells^{6,7} | Gwendolyn P. Quinn^{1,4}

Question

How best to present two changes in our next CCSG?

- Converting Aim 3 into Thematic Area
- Removing USF-based members