

Hutchinson Institute for Cancer Outcomes Research

Early Career Opportunities in SWOG and Beyond

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What is Cancer Care Delivery Research (CCDR)

2 Conducting CCDR Studies in NCORP / SWOG – My Journey

3 Career Development Opportunities in SWOG and ASCO

The Health Care Delivery System



Institute of Medicine, Lowering Costs and Improving Outcomes, 2011

Cancer Care Delivery Research

Cancer care delivery research (CCDR) is a multidisciplinary science that seeks to improve clinical outcomes and patient well-being by intervening on the patient, clinician, and organizational factors that influence care delivery

Kent, E. et al. Cancer Care Delivery Research: Building the Evidence Base to Support Practice Change in Community Oncology. *J Clin Oncol.* 33(24): 2705-2711. Aug 2015 NCI Community Oncology Research Program: Research areas National Cancer Institute http://ncorp.cancer.gov/research

SWOG Cancer Care Delivery Committee

Co-Chairs: Scott Ramsey MD, PhD and Veena Shankaran MD, MS (taking over for Dawn Hershman MD, MS)

Patient advocate: Barbara Segarra-Vazquez

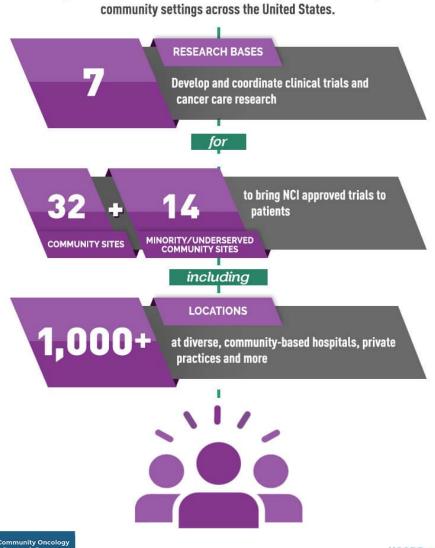
Statisticians: Joseph Unger PhD, Riha Vaidya PhD

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Study Setting

The NCI Community Oncology Research Program (NCORP) brings cancer research studies and results to patients in a variety of



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Active / Enrolling Cancer Care Delivery Studies

S2108CD: Cluster Randomized Trial Comparing an Educationally Enhanced Genomic Tumor Board (eGTB) Intervention to Usual Practice to Increase Evidence-Based Genome Informed Therapy (Reuter and Trivedi)

S1703CD: Randomized trial comparing overall survival of patients monitored with serum tumor marker directed disease monitoring (STMDDM) versus usual care in patients with metastatic hormone receptor positive breast cancer (Accordino)

S1912CD: A Randomized Trial Addressing Cancer-Related Financial Hardship Through Delivery of a Proactive Financial Navigation Intervention (CREDIT) (Shankaran)

Developing Studies

S2309CD – Preventing Financial Adversity Among Early-stage Cancer Patients through Unrestricted Cash (PAYMENT) – Dr. Veena Shankaran, M.D., University of Washington –.

S2417CD – A Pragmatic Randomized Controlled Trial to Evaluate the Effectiveness of an Intervention to Promote Guideline-Concordant Colorectal Cancer Surveillance – Dr. Christine Veenstra, M.D., University of Michigan

S2424CD – Lay Health Worker-led Intervention to Promote Goals of Care Communication – Manali Patel, MD, MPH, Stanford University; MS, Ravi Parikh, MD, University of Pennsylvania; Christopher Manz, MD, Dana Farber Cancer Institute

Patient-centered Video Education Intervention to Improve Rural Cancer Care Delivery – Randall Holcombe, M.D., MBA, Izumi Okado, Ph.D., University of Hawaii



Straightforward observational study – additional funding not needed

Complex observational or interventional studies – additional funding is needed

Hope Foundation

Dr. Charles A. Coltman Jr. Fellowship: 2-year fellowships of \$50,000 per year are provided as salary support ensuring that early career investigators' time is protected for research in the clinic or laboratory.

Secondary Data Analysis: connects SWOG researchers with the statistical support required to conduct database analyses of studies spanning multiple disease types and using SWOG clinical trials data alone or in combination with registry or claims data, or other potential linkages.

Career Engagement Award: 2-year awards of \$50,000 per year are provided as salary support ensuring that mid-career investigators' time is protected for research in the clinic or laboratory.

SWOG Early-Stage Investigator Training Course

Annually in September

Grant/Protocol Writing Workshop for early stage SWOG investigators

4-6 applicants chosen

Current or future SWOG trial concept

ASCO Funding Opportunities

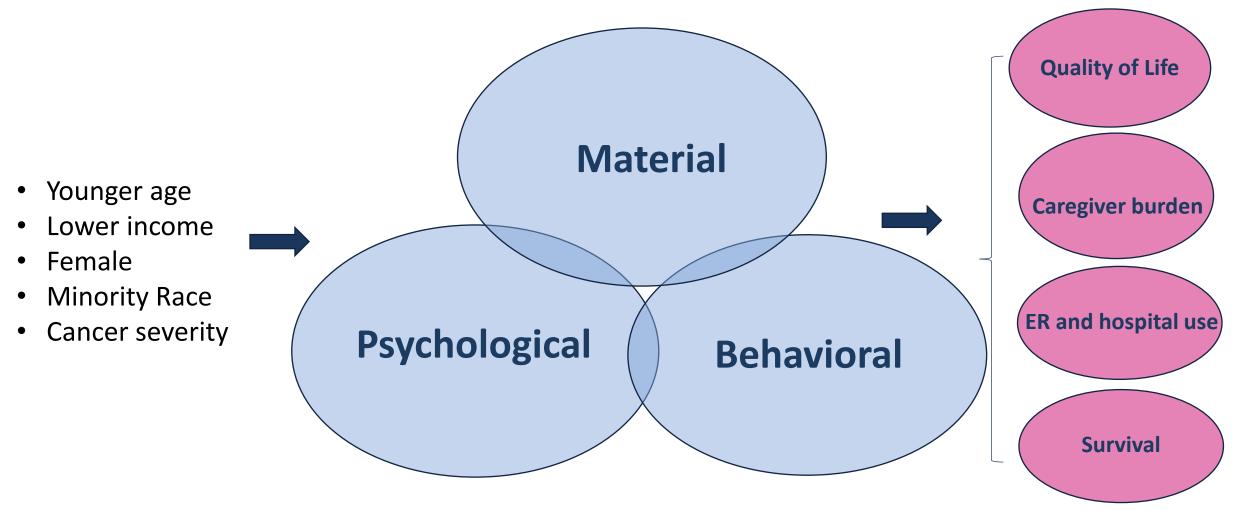
ASCO Career Development Awards (\$200,000 over 3 years)

ASCO Young Investigator Award (\$50,000 over 1 year)

September deadlines

Cancer Care Costs and Financial Hardship ----S1417CD and S1912CD

Financial Hardship (Toxicity)



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Tucker-Seeley RD, Yabroff KR. J Natl Cancer Inst. 201(¹⁴)(5) Tucker-Seeley RD, Thorpe RJ. Gerontologist. 2019;59(Supp 1):Soo-S93 Unger, J et al. 2016. JAMA Oncol. 2(1): 137-9. Ramsey SD, et al. J Clin Oncol. 2016;34(9): 980-986

Prior Research

- 25-40% of cancer survivors experience financial hardship
- Retrospective studies
- Long-term cancer survivors

Cumulative Incidence of Financial Hardship in Patients with Metastatic Colorectal Cancer: Primary Results of S1417CD

• Veena Shankaran, MD, MS; Joseph M. Unger, PhD; Amy K. Darke, MS; J. Marie Suga, MD, MPH; James L. Wade, III, MD; Peter J. Kourlas, MD; Sreenivasa R. Chandana, MD, PhD; Mark A. O'Rourke, MD; Suma P. Satti, MD; Diane Liggett, BS; Dawn L. Hershman, MD, MS; Scott D. Ramsey, MD, PhD







a National Cancer Institute program



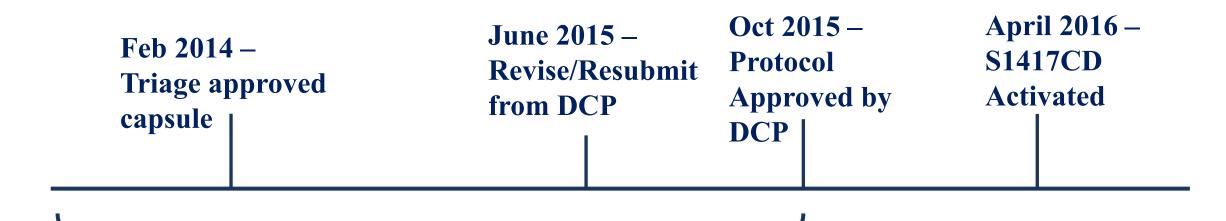
A program of the National Cancer Institute of the National Institutes of Health



Funding

- ASCO Career Development Award
- SWOG Charles A. Coltman Jr. Fellowship

Timeline



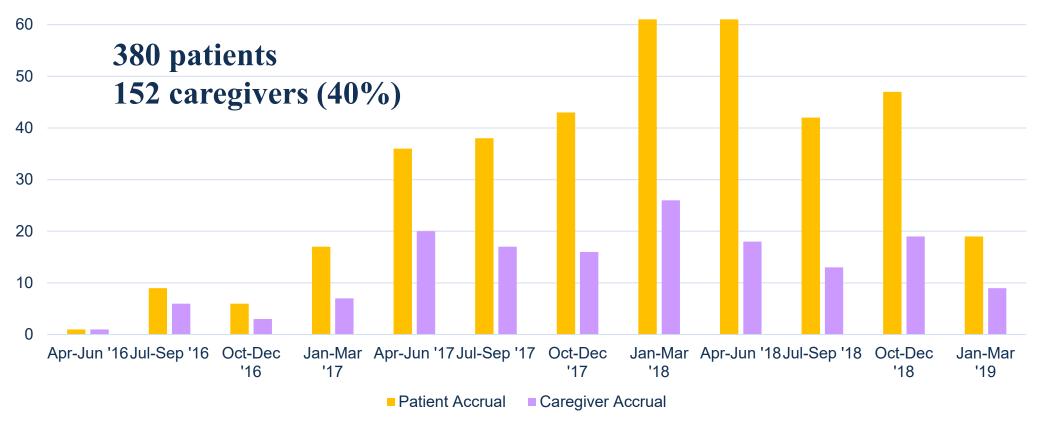
Developing a process to obtain consumer credit reports (TransUnion)

- Consumer credit reports have never been linked prospectively with patient data
- Legal review and contract
- Collection of SSNs and addressing patient privacy concerns
- Assurances that obtaining credit reports for research will not affect credit scores

Accrual Timeline

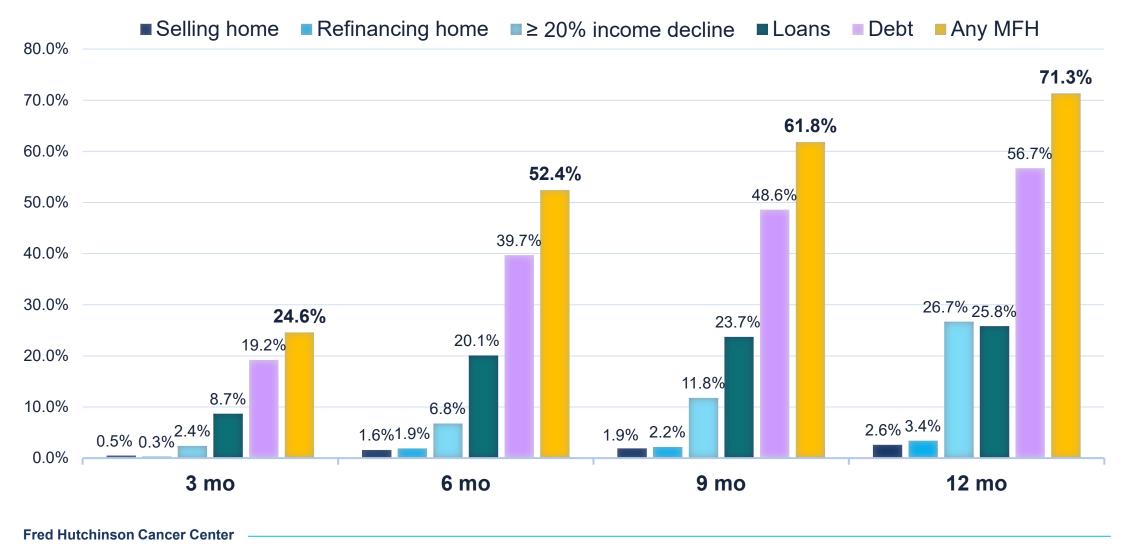
70

- 60.2 median age
- 78% white
- 2% uninsured
- 62% employed
- 58% income ≤ \$50K
- 92% patients have credit data



Patient and Caregiver Accrual by Quarter

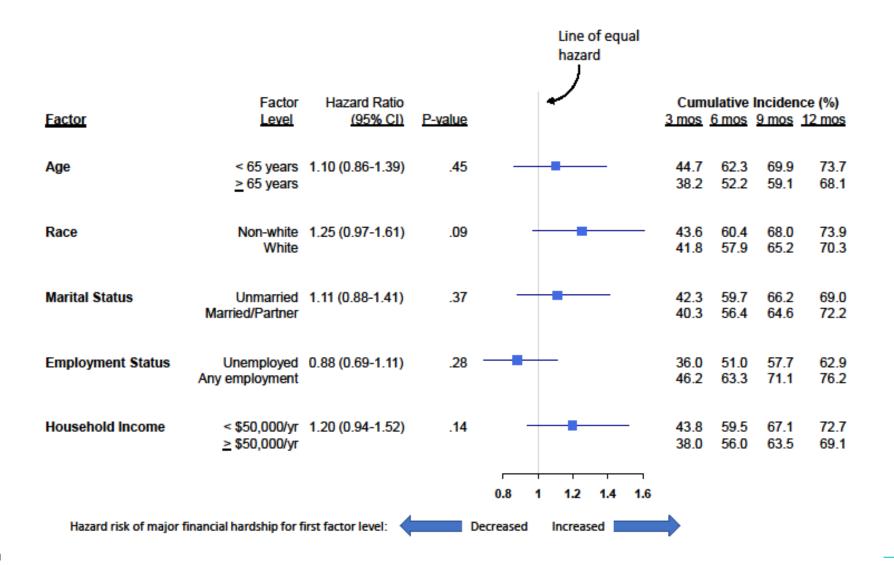
SWOG S1417CD: Longitudinal Cohort Study



Shankaran, V. et al. JNCI. Jan 2022

20

Risk Factors for Financial Hardship



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Shankaran, V. et al. JNCI. Jan 2022

Conclusions

- Patients and caregivers are <u>willing to participate</u> in research that aims to address their financial concerns.
- MFH accumulates over time. Nearly 75% of pts experienced MFH at 12 mo despite access to health insurance.
- Clinical and policy interventions are needed to protect cancer patients from financial devastation during and after treatment

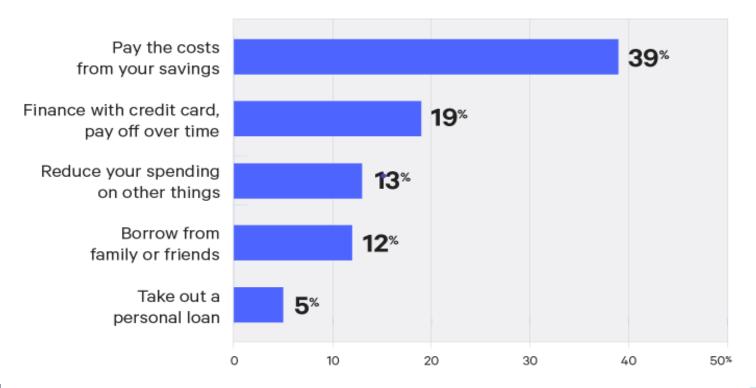
Contributors to Financial Hardship

Societal/Policy/Payer	Clinic / Health System	Provider
Economic downturns	Lack of:	 Low value prescribing (end of life, surveillance)
Access (e.g. Medicaid eligibility)	FT screening	 Inability to include costs to
Drug pricing	 Routine communication about cost of care 	inform shared decision- making
 High cost-sharing / out-of-network care 	Cost estimates	
SDoH / HRSN	 Financial literacy resources 	

Financial Fragility

How Americans pay for unexpected expenses

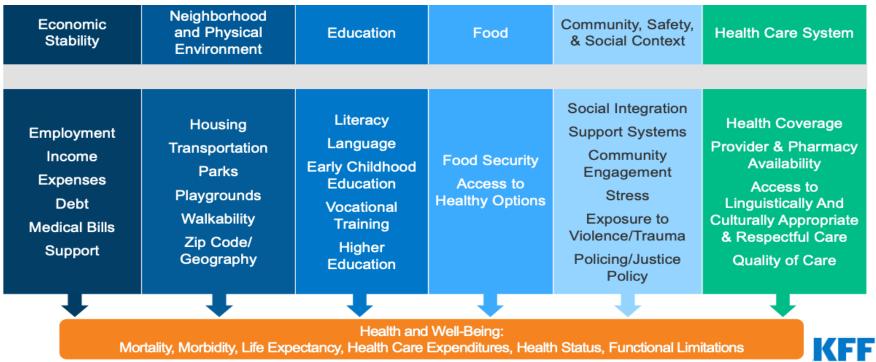
How would you deal with a major unexpected expense, such as \$1,000 for an emergency room visit or car repair?



24

Social Determinants of Health (SDoH)

"Conditions in the environment where people are born, live, learn, work, play, worship, and age that affect a range of health, functioning, and quality-of-life outcomes and risks."



Approach

Reactive

Late diagnosis \rightarrow Treatment

Proactive

Universal Screening \rightarrow High-Risk Patients \rightarrow Prevention \rightarrow Follow-Up

 \longrightarrow Early diagnosis \rightarrow Treatment \rightarrow Survivorship

In the proactive model, more patients are diagnosed and more infrastructure is needed

FT Screening -> Financial Navigation

•Only 44% of community oncology practices provide financial counseling

 < 40% of financial navigators meet *proactively* with patients to discuss insurance, cost of care, and copay programs

• Over 70% of centers could not identify how much a patient's treatment would cost

27

Financial Navigation Delivery Models

- Training social workers and financial counselors in the clinic
- Technology and Apps cost estimation tools
- Partnering with non-profit financial counseling organizations

Partnering with Community Organizations





cent.

• 64 patients and 18 caregivers enrolled

1/3 reported decreased anxiety about costs

 \$11,000 in assistance (mostly cost-of-living) secured (mean \$772 per household)

29

SWOG "Credit" Study – S1912CD (PI Shankaran)



Financial Literacy Training

Newly diagnosed advanced solid tumor and hematologic malignancy patients (+ spouse caregivers)



Intervention

Financial Literacy Training

Financial Counseling

Indirect and Non-Medical Cost Assistance

Direct Medical Cost and Healthcare Coverage Assistance

<u>Primary Outcome</u> = household financial hardship

<u>Secondary Outcomes</u> = QOL, Caregiver burden, Treatment adherence, hospital/ED use

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Credit Study

- 234 patients enrolled (out of 356 goal)
- Dropped requirement for caregiver enrollment
- Listen to clinic sites / CRA / patient advocate feedback !!

Complementary Financial Navigation Studies

ECOG-ACRIN "Cost-Com" Study (PI Gelareh Sadigh)

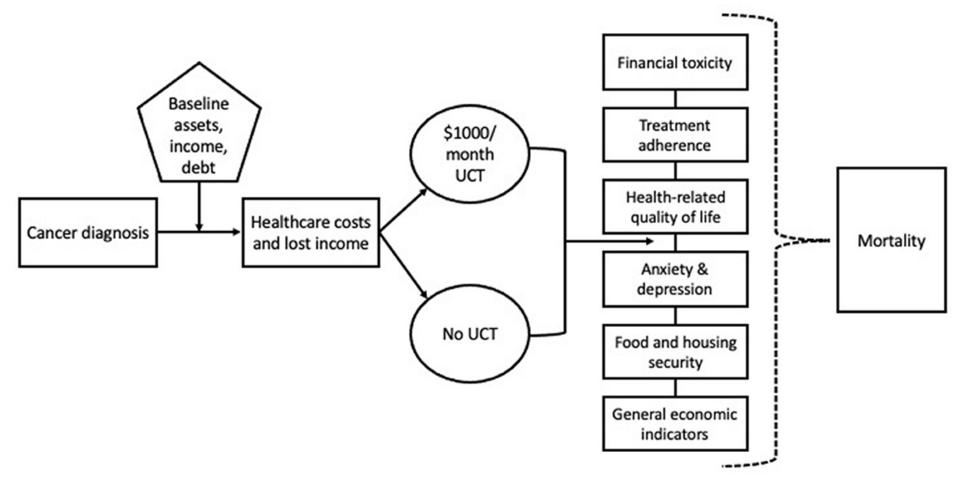
"Café" Study (Kaiser Pacific Northwest) (PIs Mateo Banegas and Nora Henrikson)

"LIFT" Study (Rural North Carolina clinics) (PI Stephanie Wheeler)

Ongoing Challenges

- Scaling up and quality control
- Real-world implementation ; when and how to approach patients in the clinic
- What about poor / underserved patients who have no assets, savings, resources, and/or preexisting debts?

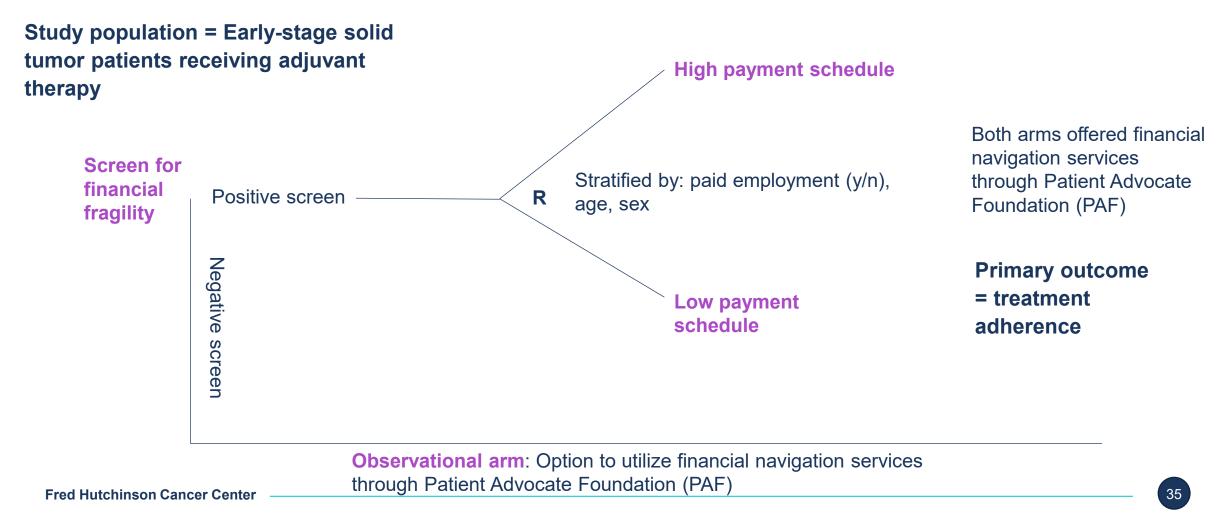
Unrestricted cash payments – Guaranteed Income and Financial Treatment (G.I.F.T) Study (PI Doherty)



34

S2309CD - PAYMENT Study (In Development)

Concept in development (SWOG)



Future Directions

- Return on investment
- Technology solutions and EMR integration
- Cost transparency efforts
- Shared decision making

CCD Research in SWOG – Benefits and Drawbacks

Generalizable to Real-World

Completed studies \rightarrow higher impact journals

Accrual can be very quick but Activation / Startup is Slow

Mentorship

Access to Patient Advocates

Funding Opportunities

In summary – a very worthwhile experience!!!

Acknowledgements

Collaborators / Co-Is Dawn Hershman Joseph Unger Amy Darke **Riha Vaidya** Shelby Langer **Ruth Carlos**

CENTS

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- •Kate Gallagher
- Rebekah Angove
- Jennifer Obenchain



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Funding

Conquer Cancer Foundation

- 2013 CDA
- 2009 YIA

Kathryn Butler Foundation

Texas 4000 Foundation

SWOG Hope Foundation

 2012 Charles Coltman Jr. Fellowship NCI/Eli Lilly 2019

Breast SPORE / Safeway Foundation – 2014 Pilot Award

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Thank you



