



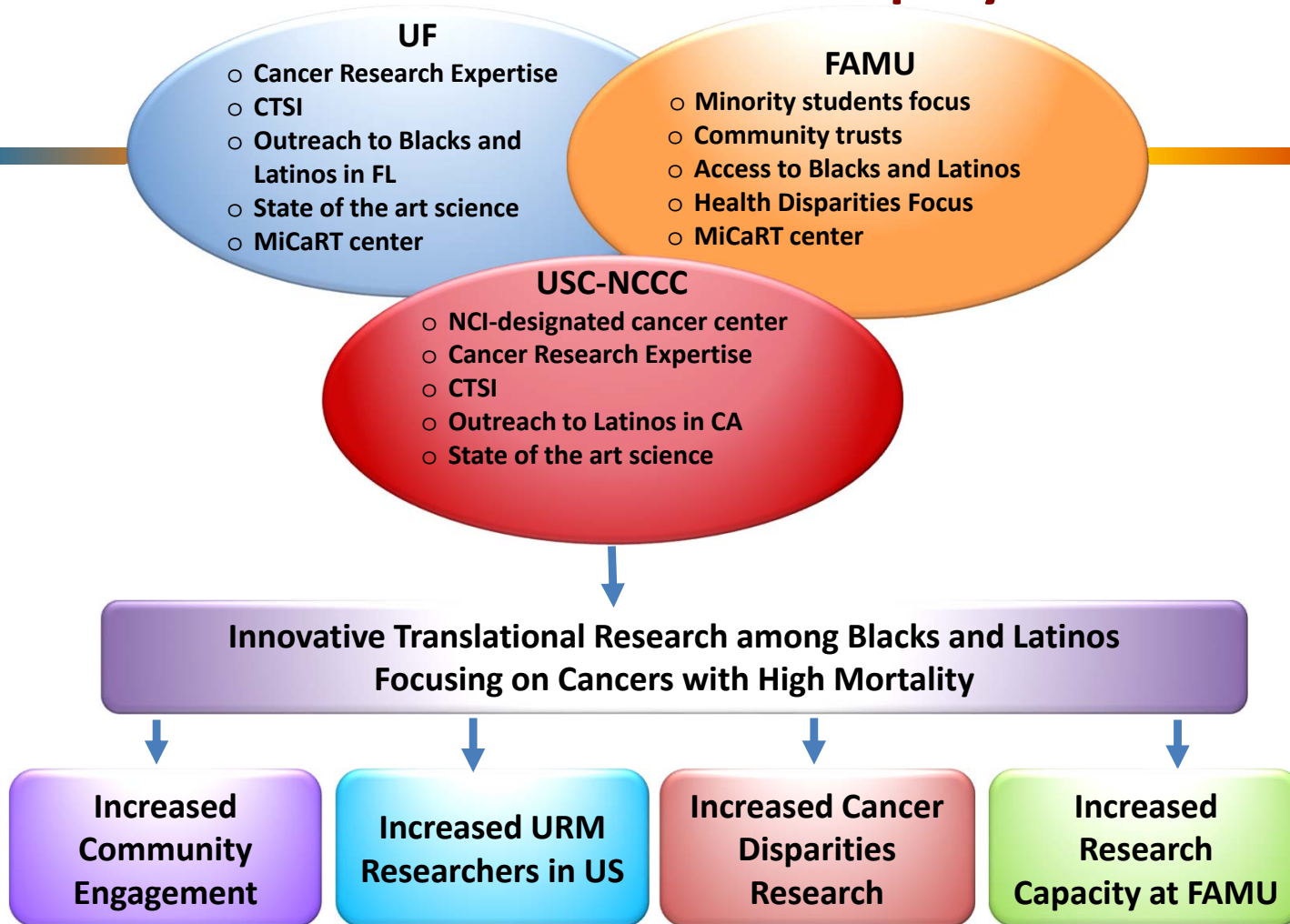
FAMU-UF PARTNERSHIP

for Cancer Health Equity

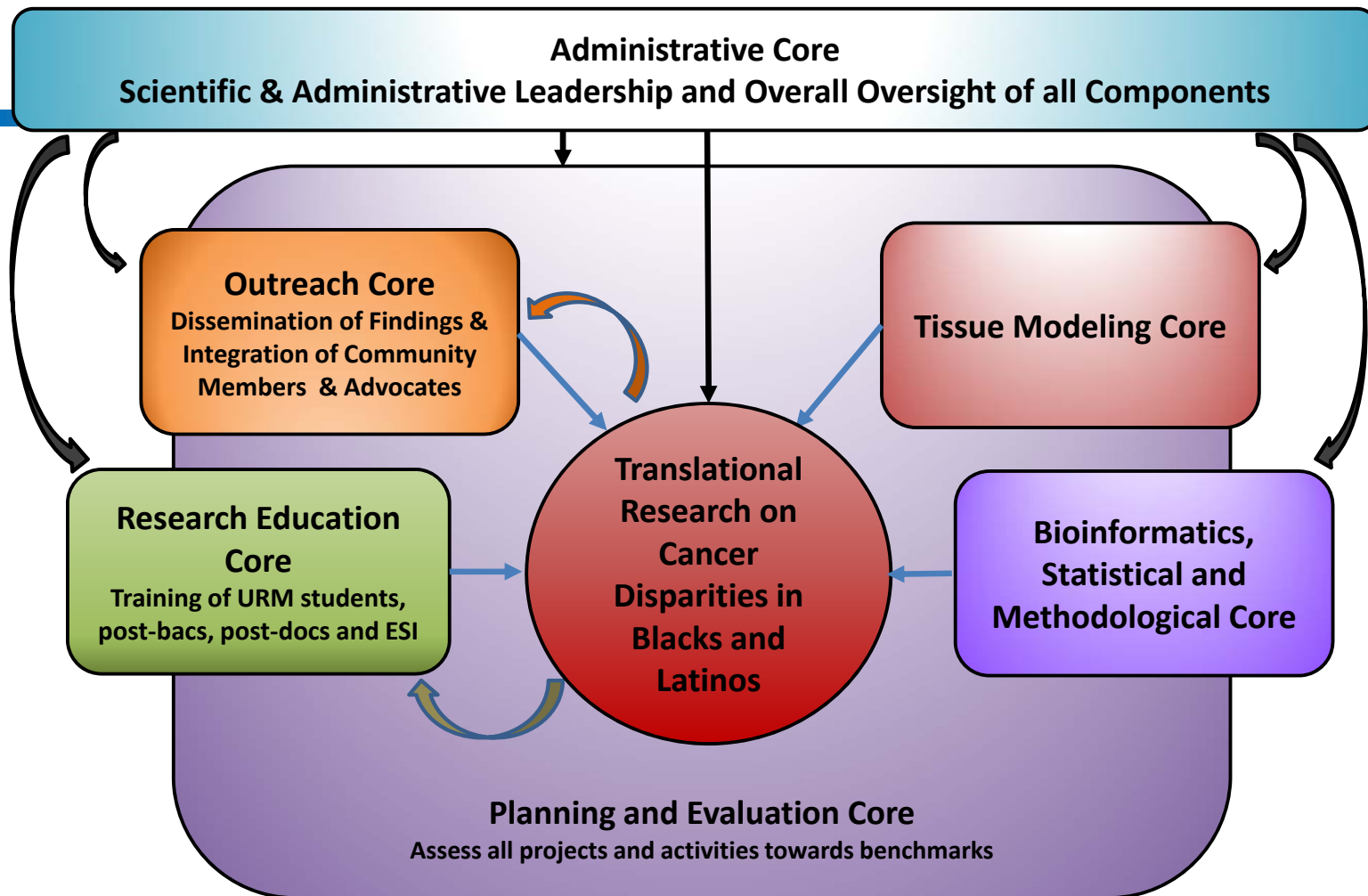
R. Renee Reams, PhD & Ken Redda, PhD (FAMU)

Folakemi T. Odedina & Diana Wilkie, PhD (UF)

Florida-California CaRE² Health Equity Center

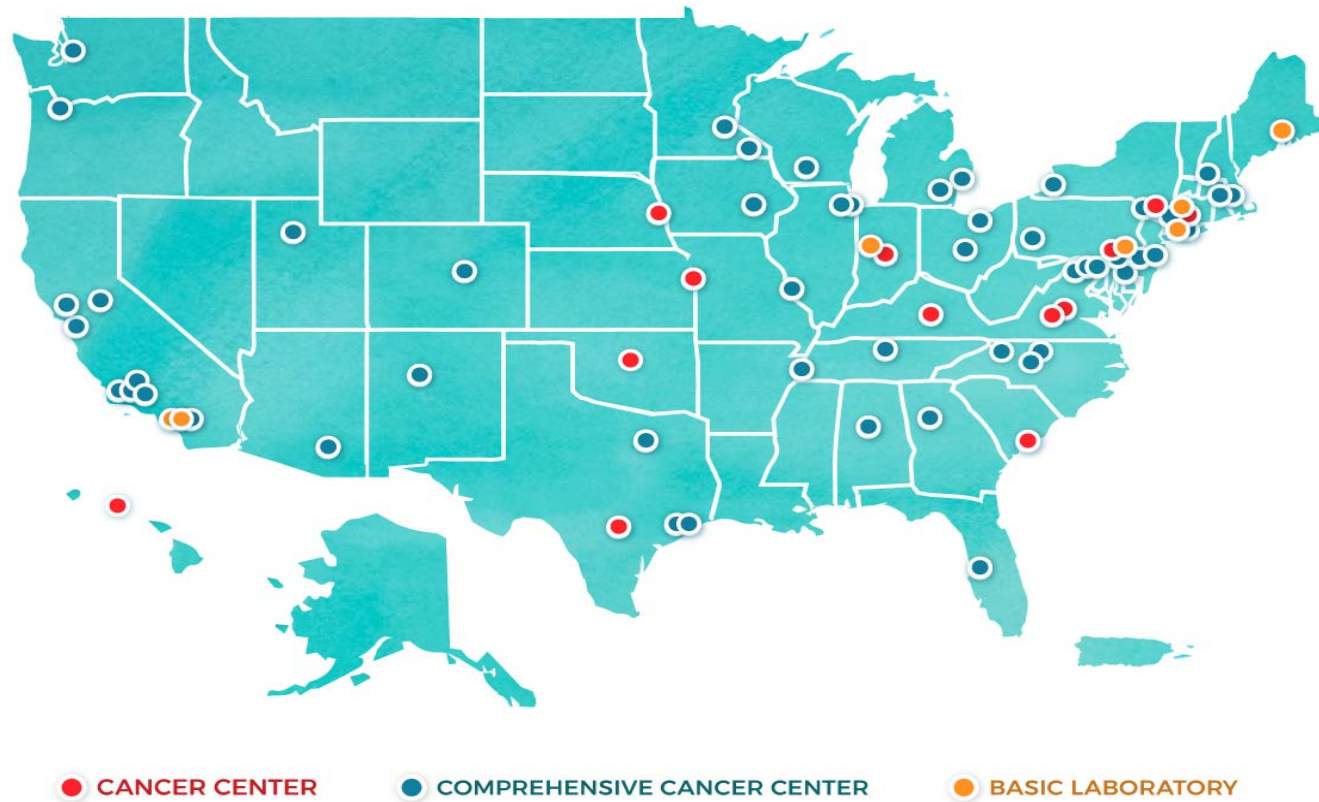


Florida-California CaRE² Health Equity Center



Interactions across components in the CaRE² Center

FAMU-UF Collaboration: May Increase Number of NCI-Designated Cancer Centers in Florida



Florida-California Cancer Research, Education and Engagement (CaRE²) Health Equity Center



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RESEARCH EDUCATION CORE (REC)

CaRE² - REC Leaders



Ite Offringa, Ph.D., **USC** Debra Lyon, Ph.D., R.N., **UF** Bereket Mochona, Ph.D., **FAMU** K. Ken Redda, Ph.D., **FAMU**

REC Specific Aims

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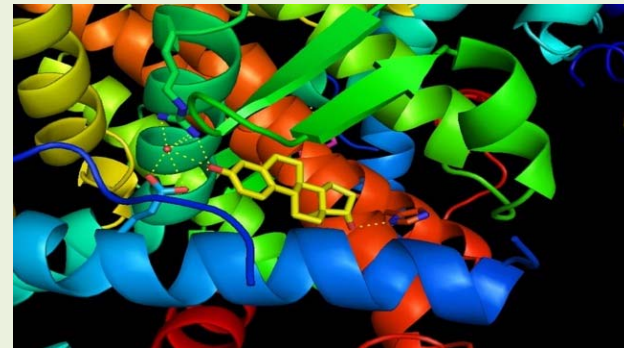
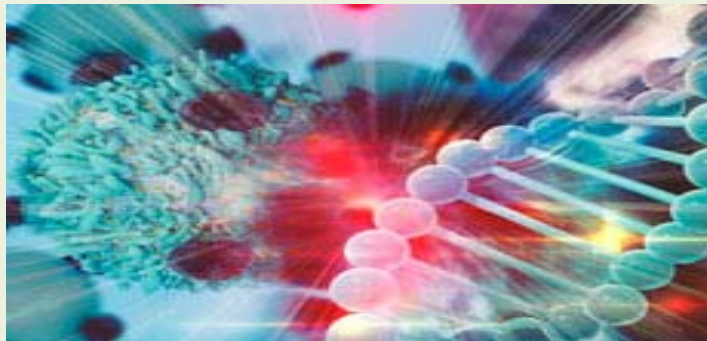


Florida A&M University (FAMU), University of Florida (UF), and University of Southern California (USC) have partnered to build a strong pathway to workforce diversity in Florida and California. Combined, the three institutions have unique expertise to support research education for Black and Latino students, postdoctoral fellows and Early Stage Investigators (ESIs).

- 1. FAMU Summer - CaRE²:** 10-12 weeks Cancer immersion student program for underrepresented minority (URM) undergraduate students. (year 1-3) - **the three institutions have unique expertise to support research education for Black and Latino students**
- 2. Postbac - CaRE²:** A year-long & full-time cancer research experience for post-baccalaureate fellowship program for talented, highly motivated recent college graduates
- 3. Grad(+)- CaRE²:** Summer/Academic Year Research Enrichment Program designed for Graduate, Post-doctoral and Early Stage Investigators in basic, clinical and behavioral sciences to ensure the development of diverse and highly trained workforce. The program will provide support for the development of **Highly Trained URM Scholars Involved in Cancer Research**
- 4. REC:** Performance Evaluation

REC Training Activities

- A. **Engagement in “hands on” research activities** - Each trainee will be assigned to a **“mentor”**, who is an accomplished researcher in cancer-related biomedical, clinical or behavioral areas, preferably focusing on health disparity studies



- B. **Participation in scientific and professional seminars, workshops, video demos, forums, webinars and short courses** – Invited guest speakers and **FAMU**, **UF** and **USC** investigators give these presentations
- undergraduate students will participate in GRE prep workshops
 - early stage investigators attend grantsmanship workshops,
 - graduate students will focus on acquiring advanced techniques and skills, etc.

REC Training Activities

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- C. Participation in networking opportunities** – Involving in “Journal Clubs”, group discussions, informal get-togethers, individual consultations and visits to several research laboratories will foster development in research, teaching, career management, and collegial networking - **collaborations** that serve trainees very well in the future

- D. Participation in community outreach** – The **CaRE² “Outreach Core”** will guide the trainees to participate in disseminating cancer-related information (e.g. town hall meeting), carrying out surveys and listening and understanding the community’s priorities and needs

- E. Development of the scientific communication skills** – Oral skills in the presentation of scientific paper at national/international meetings, publication in scientific and professional journals and writing a fundable research proposals is highly critical

- F. Attendance in state and national meetings** – Many trainees will be sponsored by CaRE² to participate in state or national meetings to disseminate their research finding

Benefits to Florida A&M University from the Partnership

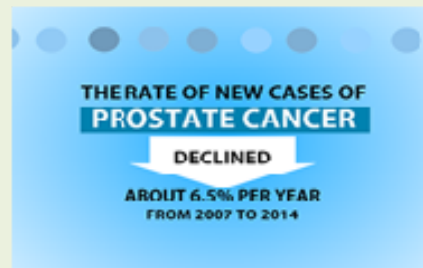


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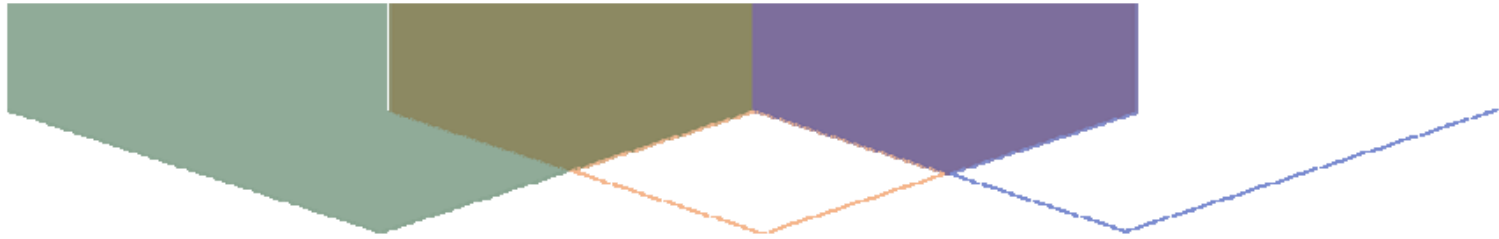


1. Administrative and managerial experience gained within in a TRIAD Partnership (FAMU, UF, USC)
2. Expanding the translational research portfolio and opportunities for URM students and scientists
3. The partnership will contribute to increased peer-reviewed publications and NIH grant submissions
4. Engagement of FAMU investigators with two funded full research projects and one pilot project
5. Elevate the profile of cancer research at FAMU that leads to further collaborations with any institution in the country

According to ACS Facts & Figures 2019: US cancer death rate has dropped 27% in 25 years.



Cancer Deaths	Men Ages 40-49	Women Ages 40-49
During 1990-1991	102% HIGHER IN BLACKS THAN IN WHITES	44% HIGHER IN BLACKS THAN IN WHITES
During 2015-2016	17% HIGHER IN BLACKS THAN IN WHITES	30% HIGHER IN BLACKS THAN IN WHITES



CANCER FUNDING DISPARITIES FOR FLORIDA

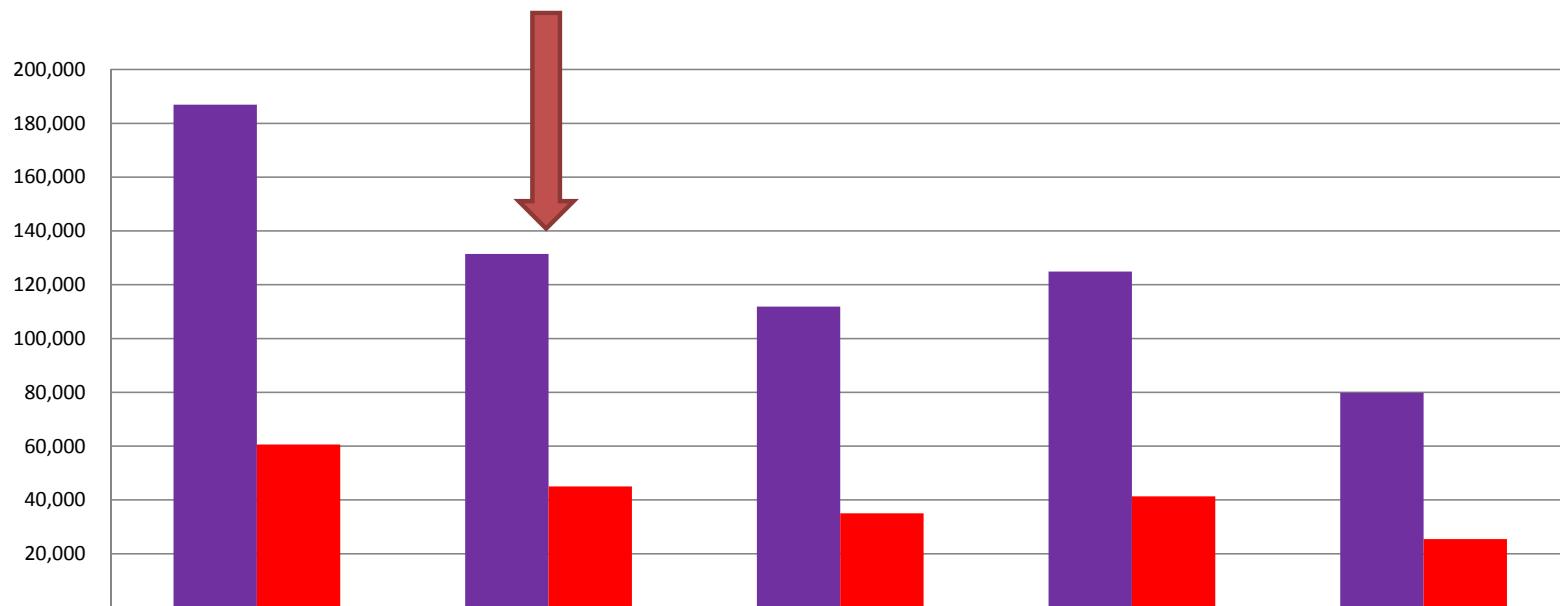
Background: Cancer Disparities for Florida (ACS)



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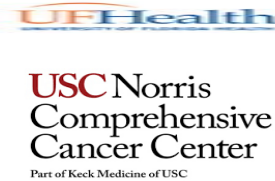


2019 Estimated Cancer Cases & Deaths - ACS Data

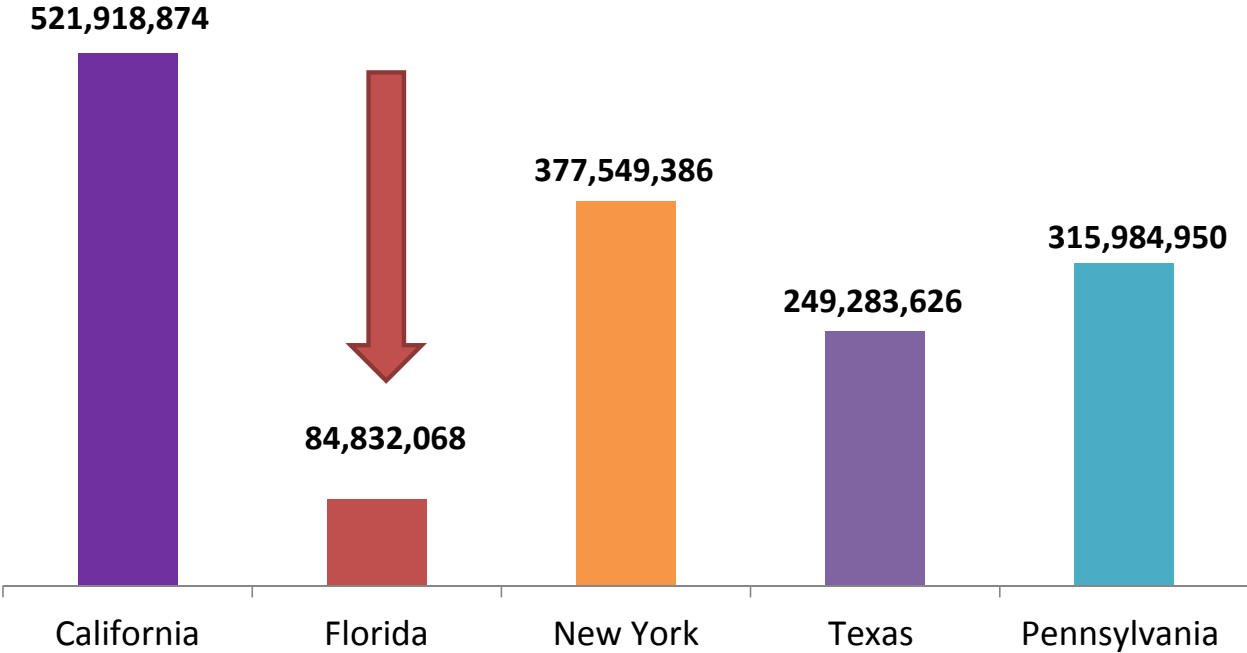


	California	Florida	New York	Texas	Pennsylvania
■ 2019 Est. Cases	186,920	131,470	111,870	124,890	79,890
■ 2019 Est. Deaths	60,590	45,000	35,010	41,300	25,440

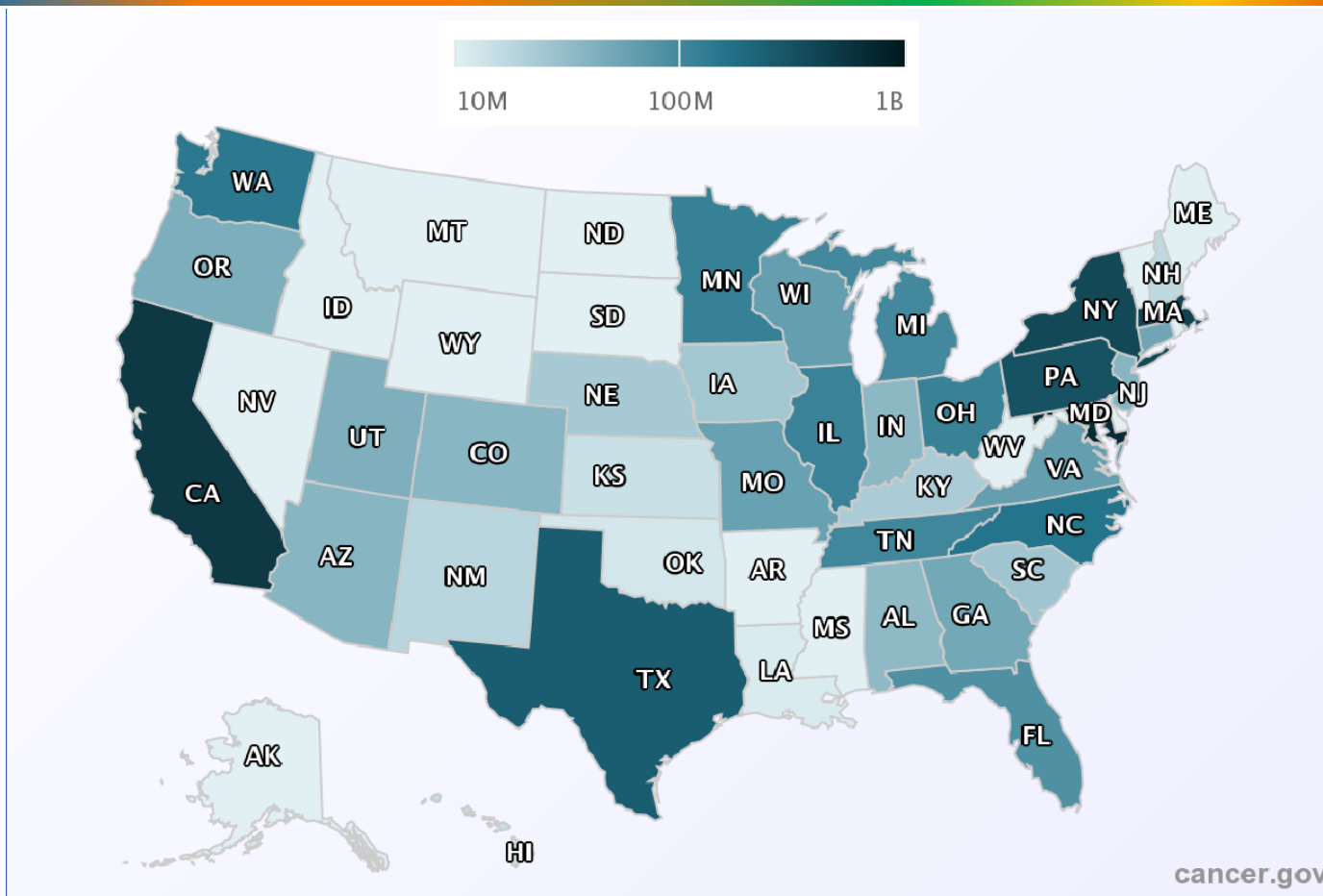
Background: Cancer Funding Disparities for Florida

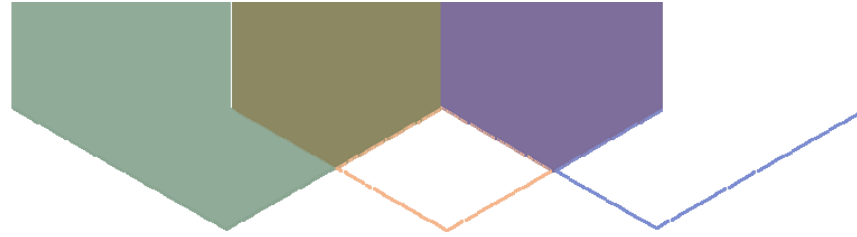


NCI Funding (\$) for Cancer Research (2018)



Grant and Contract Awards by State and Institution FY 2018





ACCOMPLISHMENTS



CaRE² 6-MONTH PROGRESS

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- 9 research projects focusing on cancer disparities in Blacks and Latinos
 - 3 research projects ongoing
- 125 underrepresented scientists conducting research in cancer disparities (graduate students, postdocs & ESI)
 - 4 URM scientists (FAMU and UF)
 - 1 URM postbac (UF)
 - 20 URM students (UF and FAMU)
- 40 scientific publications
 - 2 publications

CaRE² 6-MONTH PROGRESS

UFHealth

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- 45 presentations
 - 1 presentation
- 40 grant submissions: 20 grant awards
 - 3 grant submissions
 - 1 grant awarded
- 10 community reports
 - 0 community report
- 7 scientific recognitions, honors, award
 - 3 awards

FAMU-UF Cancer Health Equity Ongoing Initiatives

UFHealth

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1. Provide global oncology research training opportunities for Florida minority students.
2. In partnership with FL HERI, establish the ***Florida Cancer Health Disparities Translational Research (CHDTR) Center.***
 - *eliminate cancer care disparities in Florida by advancing new therapeutic agents, chemoprevention and cancer control interventions for the oncological care of Blacks, Latinos, and immigrants.*
3. In partnership with FL Cancer Centers of Excellence, establish a **Florida Minority Biobank.**