

AHA'S INVESTMENT 2014-2019

\$15 MILLION IN RESEARCH | **\$3.7 MILLION** TO EACH CENTER

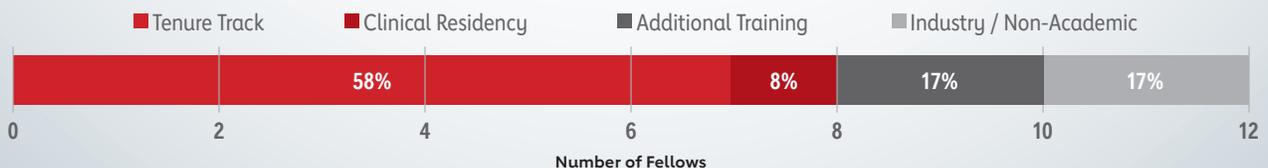


BY THE NUMBERS

- 170 publications to date with 4 additional publications currently submitted or in press
- 2 NIH R01s, 1 NIH R21 and 1 NSF research grant directly resulting from SFRN projects to date
- 3 Prevention PIs have gone on to receive subsequent Network awards in atrial fibrillation and children's health
- > \$50 million in total NIH funding received by Prevention PIs since the start of the Network

TRAINING A NEW GENERATION OF MULTIDISCIPLINARY INVESTIGATORS

A majority of the 12 SFRN fellows went on to tenure-track faculty positions



NOTABLE PUBLICATIONS

Northwestern

Associations of Dietary Cholesterol or Egg Consumption with Incident CVD and Mortality, *JAMA Network*, March 2019

- Higher consumption of dietary cholesterol or eggs was significantly associated with a higher risk of CVD and all-cause mortality
- Norrina Allen PhD, Project PI, and Victor Zhong PhD, SFRN Fellow



Child Health Promotion in Underserved Communities – The FAMILIA Trial, *Journal of the American College of Cardiology*, April 2019

- School-based health education is effective in conveying healthy behaviors in preschoolers from an urban, underserved, multiethnic community
- Valentin Fuster MD PhD, Center Director/Project PI, Andrew Kasarskis PhD, Project PI, Zahi Fayad PhD, Project PI, and Rodrigo Fernandez-Jimenez MD, SFRN Fellow

UT Southwestern Medical Center

Nitrosative stress drives heart failure with preserved ejection fraction, *Nature*, April 2019

- Describes causes of HFpEF disease pathology by creating a pivotal new mouse model (patent pending). Understanding the mechanism of heart failure may help to prevent it and subsequent adverse events.
- Joseph Hill MD PhD, Center Director/Project PI, and Gabriele Schiattarella MD, SFRN Fellow



Polypill for Cardiovascular Disease Prevention in an Underserved Population, *New England Journal of Medicine*, September 2019

- Significantly larger reductions in blood pressure and LDL cholesterol compared to usual care in a socioeconomically vulnerable minority population
- Thomas Wang MD, Project PI

NOTABLE COLLABORATIONS

- Collaboration across Northwestern and UTSW investigating the relationship between physical activity, body mass index (BMI), and risk of heart failure resulted in several publications across Prevention Centers
- Thomas Wang, MD, FAHA (Vanderbilt PI), Norrina Allen, PhD (Northwestern PI), and Deepak Gupta (Vanderbilt collaborator) awarded NIH R01 to study tissue sodium content in the MESA study participants
- Northwestern Prevention PIs collaborating with the Hypertension SFRN center at the University of Iowa to study the impact of maternal physical activity on atherosclerosis in offspring
- Mount Sinai Prevention PIs have gone on to collaborate with the Go Red For Women SFRN to enhance fellowship training