

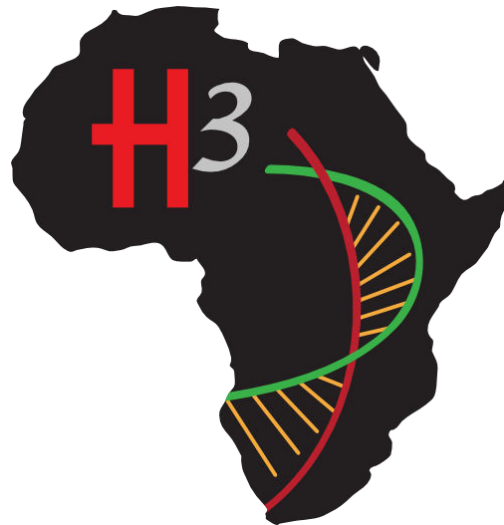
H3Africa's Genomics research and its implication on Rare Diseases

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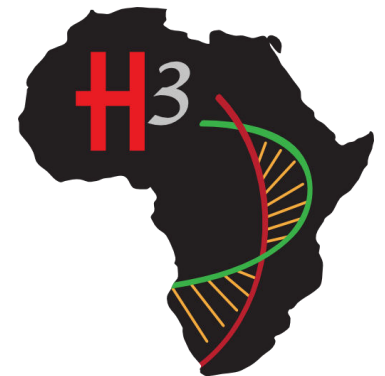
H3Africa Vision

“To facilitate an Africa-based contemporary research approach to the study of genomics and environmental determinants of common diseases with the goal of improving the health of African populations”



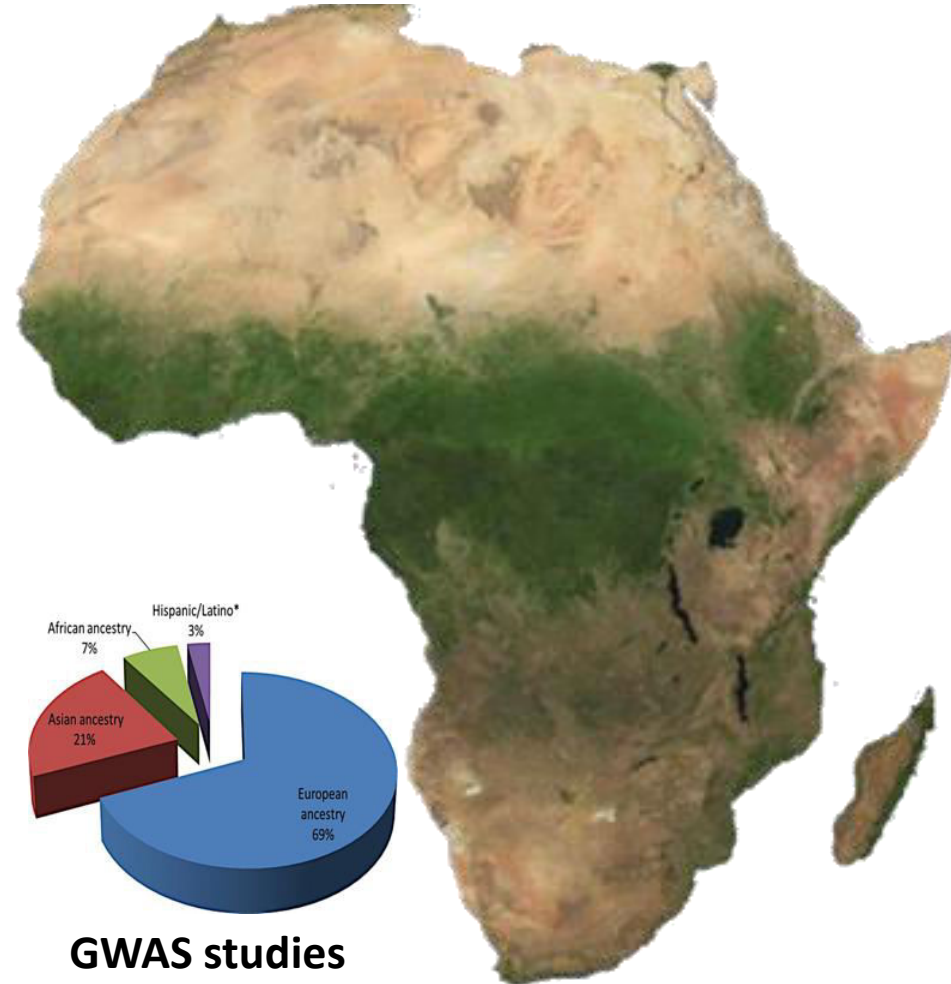
H3Africa Goals

- Increase the number of African **scientists** who are internationally competitive in genomics and population-based research
- Establish **collaborative networks** of African investigators pursuing genomics-based disease-oriented projects
- Create/expand **infrastructure** for genomics research, including bioinformatics and biorepositories



Addressing Africa's Health & Science Needs

1. Africa suffers a disproportionate burden of communicable disease
2. HIV/AIDS, TB & malaria dominate research on the continent
3. Emerging increase in prevalence of non-communicable disease
4. Genomics is a key to contemporary biomedical research



H3Africa To Date: By the Numbers

>\$76 million of funding

47 research projects

29 African countries

>500 investigators

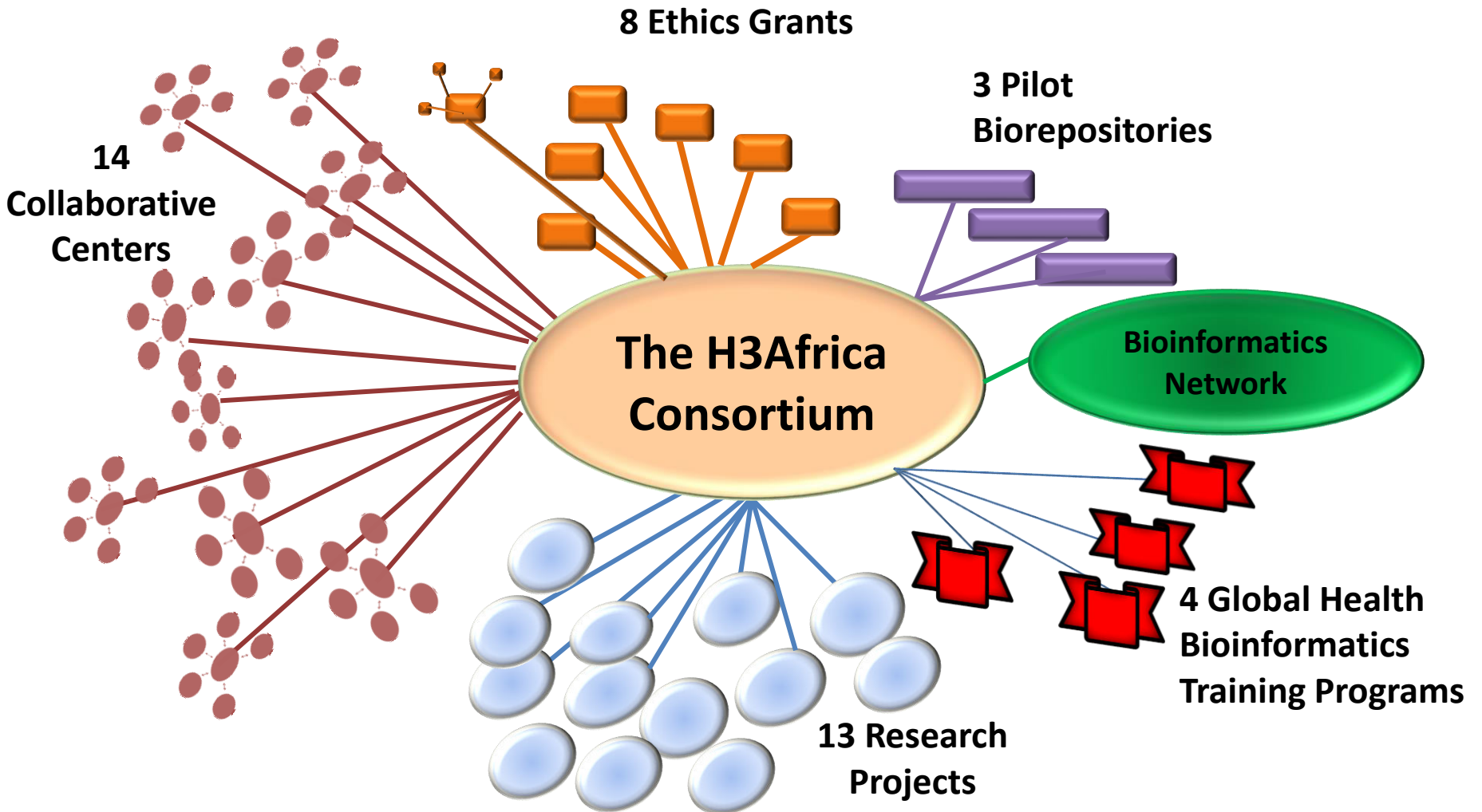
>50 000 research participants

130 publications

115 trainees supported

> 70 workshops/courses

The H3Africa Consortium



H3Africa Projects

Infectious	Non-Infectious	Mental Health
Respiratory	Kidney Disease	Schizophrenia
Febrile	Cardiometabolic	Neurological Disorders
Tuberculosis	Cervical Cancer	Maternal Stressors
Trypanosomiasis	Breast Cancer	Trauma & PTSD
Schistosomiasis	Stroke	
Malaria	Diabetes	
HIV/immunity	Rheumatic Heart Disease	
	Developmental Disorders	
	Hearing Impairment	