Houston is a Top Ranked City for Young Professionals

Forbes rated Houston the coolest city in US
#1 US city for STEM nerds; #1-10 on many lists
Houston is Science City – over 100 years
    Economic growth in biomedicine and biotech
    Jlabs, TMCX, BCM Innovations
Diversity of people, ideas and opportunties
Educational opportunities: 7 grad, public health, dentistry, 2 phar,2 nursing, law schools
Activities; sports, culture, music, churches
Low cost of living; housing, shopping, groceries
SMART Program Activities

National recruiting of ~ 80 diverse undergrads
Paid research internship
Research in more than 20 biomedical areas
Special interest research discussion groups
Final student research presentation
Interact with faculty, Ph.D. students, post-docs
Daily seminar series for undergrads
GRE PREP workshops
Limited clinical opportunities
Shared dormitory housing
Kinases elevated in first set of ER-negative breast tumors
New Frontiers in Genomics

1\textsuperscript{st} human genome – 10 yrs, $3B
Less than $10K now
Soon $1K

Sequenced the genomes of humans and a host of model organisms, Gibbs and his colleagues sequenced the genome of Dr. James Watson, Nobel Laureate and father of the Human Genome Sequencing Project.

Routinely sequencing patient DNA to find disease causing mutations

Richard Gibbs, Ph.D.
Director, BCM Human Genome Sequencing Center

BCM only US site with a Genome Seq, Mouse Phenotyping, Microbiome Seq, Pediatric Cancer Seq Centers
National School of Tropical Medicine

Only School in US; Dean Peter Hoetz, MD, PhD
Maria Elena Bottazzi, PhD, Assoc Dean and Professor

Diseases of the poorest 1 billion
Focus is on vaccine development
Sabin Vaccine Institute moved from Washington, DC
$.50 per child per year for best medicines we have

Tiffany Williams, MD/PhD
Undergrad Georgetown, started med sch UCSF
BCM for PhD, microbiome genomics project in Gambia