



Cold Spring Harbor Laboratory

Welcome to STARS

Preparing the Next Generation of *Research Ready* Students

Jason Williams

Assistant Director, Inclusion and Research Readiness

Cold Spring Harbor Laboratory DNA Learning Center

Aug 2022 STARS Orientation

Program Goal

Recruit and cultivate the next generation of diverse CSHL researchers and educators from our community's high schools

Program Vision

1. Build on and integrate existing CSHL/DNALC and Stony Brook University programs and opportunities.

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3. Provide a progression of programs from Grades 9-10.
4. Create an alumni network that stays in contact through college to graduate school and job interviews.

Cold Spring Harbor Laboratory





Top 20 Institutions in Molecular Biology and Genetics

11 February 2010
Data provided by Thomson Reuters from its Essential Science Indicators database, January 1999-October 2009

	Institution	Papers	Citations	Citations per paper
1	Cold Spring Harbor Laboratory	669	63,570	95.02
2	MIT	1,995	163,596	82.00
3	Salk Institute for Biological Studies	707	49,996	70.72
4	European Molecular Biology Lab	1,435	94,736	66.02
5	Memorial Sloan-Kettering Cancer Centre	1,099	71,250	64.83
6	Wellcome Trust Sanger Institute	790	50,997	64.55
7	Rockefeller University	1,332	83,307	62.54
8	Dana Farber Cancer Institute	673	41,627	61.85

nature index

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Institutions by normalized Share - Academic

The 2019 tables are based on Nature Index data from 1 January 2018 to 31 December 2018. The normalized ranking is derived by calculating the ratio of Share to the institution's total article output in natural sciences as tracked by the Dimensions database from Digital Science.

Click on column headers to sort

Normalized rank	Share rank	Institution	Normalized Share 2018	Nature Index Share 2018	Dimensions natural science articles 2018	Nature Index Count 2018
1	347	Cold Spring Harbor Laboratory (CSHL), United States of America (USA)	0.17250	31.74	184	80
2	56	Weizmann Institute of Science (WIS), Israel	0.15298	173.17	1132	390
3	415	Institute of Science and Technology Austria (IST Austria), Austria	0.15039	23.61	157	55
4	430	Institute for Advanced Study (IAS), United States of America (USA)	0.14305	23.03	161	70
5	289	Brandeis University, United States of America (USA)	0.12787	42.71	334	119
6	155	The Rockefeller University, United States of America (USA)	0.12611	83.36	661	276
7	422	Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), India	0.11890	23.42	197	34
8	38	Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland	0.11413	219.92	1927	542
9	360	Okinawa Institute of Science and Technology Graduate University (OIST), Japan	0.10940	29.76	272	65
10	25	Princeton University, United States of America (USA)	0.10903	282.39	2590	712
11	2	Stanford University, United States of America (USA)	0.10852	622.01	5732	1507
12	3	Massachusetts Institute of Technology (MIT), United States of America (USA)	0.10686	560.28	5243	1698

Science Technology and Research Scholars

- **STARS** an expanded molecular biology and bioinformatics camp + mentoring and alumni network
- Collaboration with DNALC/CSHL faculty and Stony Brook University



What will the next two weeks look like

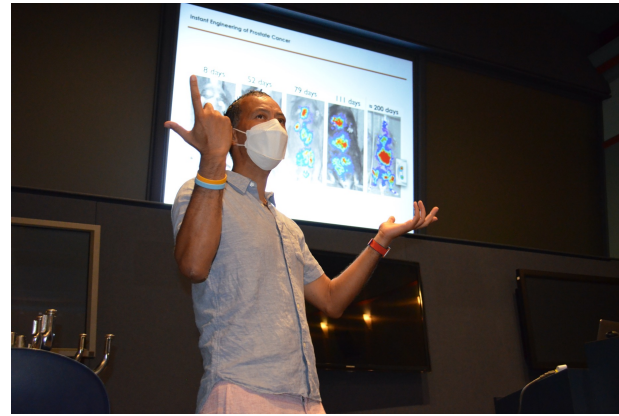


Student/Family orientation

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Student/Family orientation



Molecular and bioinformatics labs,
guest speakers, college tour

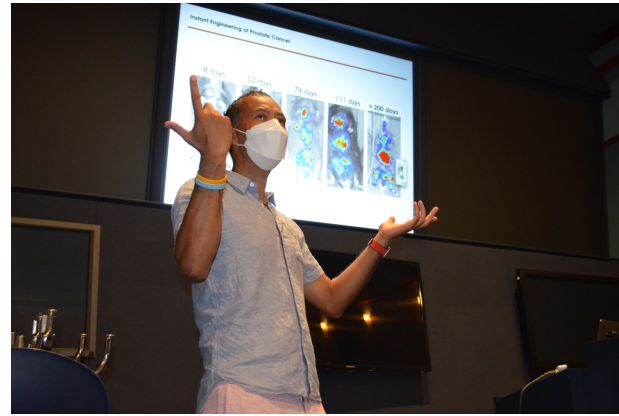
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Presentations to family and
friends

Academic year mentoring

1. Monthly virtual and in-person meetups September – May
Last Friday of the month (4-5PM)
2. Mentoring on high school success, college application process
3. Assistance on placement in future summer research internships
4. Letters of recommendation

Expectations for STARS students

1. Get the most out of your participation in the next two weeks
2. Participate in the academic-year meetups and mentoring
3. Give back to your community and peers, including future STARS

Thank You

