**Mission:**
JABSOM’s mission is to educate its students to be high-quality physicians, biomedical scientists and/or allied health professionals. Our vision is to *Maika’i Loa: Attain Lasting Optimal Health for All* (ALOHA). We encourage and support students to conduct research in biomedical and community health sciences with an aim to improve health outcomes, especially in heart disease, diabetes, cancer, in vitro fertilization, infectious diseases, mental health, respiratory diseases, and neurodegenerative disorders. We want to stimulate student interest early in pathways leading to biomedical and health science degrees and careers.

**School Website:**
http://jabsom.hawaii.edu

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**STEM Education**

**Funding since FY2012:**
$25,735,876*

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**School Profile:**

<table>
<thead>
<tr>
<th>Year</th>
<th>Graduate</th>
<th>Undergraduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>250</td>
<td>380</td>
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<tr>
<td>2014</td>
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<td>270</td>
<td>360</td>
</tr>
<tr>
<td>2016</td>
<td>280</td>
<td>350</td>
</tr>
</tbody>
</table>

**Total Enrollment (Fall 2016)**
- 630
- % Women: 67%
- % Native Hawaiian: 12%

**Degrees Awarded (2015-16)**
- 164
- Bachelor's: 33
- Masters: 54
- Doctorate: 13
- Professional: 64

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**STEM Degree Programs:**
Master of Science (MS) or Doctor of Philosophy (PhD) in:
- Cell & Molecular Biology (MS or PhD)
- Developmental & Reproductive Biology (MS or PhD)
- Tropical Medicine/Infectious Diseases (MS or PhD)
- Clinical Translational Research (MS)
- Communication Sciences & Disorders (MS)

Bachelor of Science (BS) in:
- Medical Technology

Programs and Certificate Programs in:
- Communication Sciences & Disorders (certificate)
- Tropical Medicine (certificate)
- ‘Imi Ho‘ola Post-Baccalaureate Program
- Medical Technology Post-Baccalaureate Clinical Training Program

Not considered STEM: Medicine (MD)
http://jabsom.hawaii.edu/ed-programs/masters-phd/

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**STEM Profile:**

<table>
<thead>
<tr>
<th>Year</th>
<th>Graduate</th>
<th>Undergraduate</th>
</tr>
</thead>
<tbody>
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<td>2013</td>
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<tr>
<td>2014</td>
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<td>17</td>
<td>92</td>
</tr>
<tr>
<td>2016</td>
<td>18</td>
<td>93</td>
</tr>
</tbody>
</table>

**Total STEM Enrollment (Fall 2016)**
- 106
- % Women: 67%
- % Native Hawaiian: 8%

**STEM Degrees Awarded (2015-16)**
- Bachelor's: 1
- Masters: 10
- Doctorate: 10

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* Calculated based on STEM education grants in ORS reports. Multi-campus grants are listed under PI’s institution
* Enrollment counts excludes students not home-based at this campus
JABSOM’s Selected STEM Education Projects and Activities

We invest in the next generation of biomedical and clinical scientists. Our stem education projects can be grouped under 3 broad areas: research training programs for students, educational outreach programs for youth, and professional development for teachers. We provide a few illustrations of each below and encourage you to learn about all of our other work to encourage the health science pipeline.

1. Research Training Programs

The Minority Health International Research Training (MHIRT) Program is based in the Department of Tropical Medicine, Medical Microbiology & Pharmacology which offers exciting opportunities for UH Mānoa students to perform research projects in international locations.

Other key research programs include: Hawaii’s statewide biomedical research excellence (INBRE), Pacific STEP-UP, Department of Native Hawaiian Health’s Summer Research Internship (SRI), and graduate student training in Cardiovascular Research. jabsom.hawaii.edu/trainees-in-research/

2. Educational Outreach Programs for Youth

The Hawaii/Pacific Basin Area Health Education Center (AHEC), led by Dr. Kelley Withy, recently received three separate federal grants totaling about $5 million from individual departments within the United States Department of Health and Human Services (HHS). http://www.ahec.hawaii.edu

AHEC’s Hawaii Pre-Health Career Corps is a free year-round program for high school and college students who are interested in pursuing careers in health. Its purpose is to increase awareness about health careers, provide mentoring, shadowing and research experiences, and provide exposure to health careers. AHEC coordinates a speaker’s bureau, tours of JABSOM, Teen Health Camps, and more.

The Department of Native Hawaiian Health offers key educational programs such as their Native Hawaiian Pathway to Medicine and Nānākuli Pathways to Health programs. They connect with communities and support students with mentoring, service-learning, and training. Their efforts enable Native Hawaiian students to succeed in health professions and their research division aims to eliminate health disparities among Native Hawaiians.

3. Professional Development for Teachers

Teachers in our Molecular Biology Professional Development Program make extra money during fall or summer break with paid stipends and travel assistance for neighbor islands. Teachers get access to online content materials, hands-on lab training, top biomedical and clinical scientists, and work with fellow science teachers. http://www.ccrhawaii.org

Our Office of Medical Education, Department of Medical Technology, and Department of Anatomy, Biochemistry and Physiology also offer amazing learning opportunities for teachers and students.

To learn more about these STEM Education projects, please contact: Dr. Rachel Boulay (boulay@hawaii.edu); 808-692-0986