2019 Facts & Figures

BROWN UNIVERSITY

Division of Biology and Medicine
JACK A. ELIAS, MD

SENIOR VICE PRESIDENT FOR HEALTH AFFAIRS
DEAN OF MEDICINE AND BIOLOGICAL SCIENCES
FRANK L. DAY PROFESSOR OF BIOLOGY
Everywhere you look, there are signs of growth in the Division of Biology and Medicine. New faculty. More education programs. An unprecedented increase in research funding. But numbers tell only half the story. It’s the people—faculty, students, staff—who share a passion for discovery, for teaching and learning, for changing the world through patient care and advancing our understanding of disease, who make those numbers come to life.
Biology faculty .............................................. 144
Medical academic faculty ............................... 618
Medical clinical faculty ................................. 1,675

BASIC SCIENCE DEPARTMENTS

- Ecology and Evolutionary Biology
- Molecular Biology, Cell Biology, and Biochemistry
- Molecular Microbiology and Immunology
- Molecular Pharmacology, Physiology, and Biotechnology
- Neuroscience
- Pathology and Laboratory Medicine
  (hybrid of basic science and clinical medicine)

MEDICAL DEPARTMENTS

- Anesthesiology
- Dermatology
- Diagnostic Imaging
- Emergency Medicine
- Family Medicine
- Medicine
- Neurology
- Neurosurgery
- Obstetrics and Gynecology
- Orthopaedics
- Pediatrics
- Psychiatry and Human Behavior
- Radiation Oncology
- Surgery
The Providence/Boston Center for AIDS Research (CFAR), founded in 1998, celebrated 20 years of translational research to reduce HIV infection worldwide. A joint effort between Brown/Lifespan and Boston University/Boston Medical Center, CFAR fosters investigators domestically and abroad, and works closely with local health departments, criminal justice systems, and community organizations. In June the center secured a $9.1 million NIH grant to continue its work to prevent and treat HIV among high-risk groups and in highly pandemic regions around the world.
Degrees Awarded in 2018

undergraduate ................................................. 230
PhDs awarded ..................................................... 33
master’s degrees awarded ................................. 62

Graduate Education

postdoctoral research associates and fellows .................. 63
graduate students .................................................. 334
  of which there were
PhD candidates ..................................................... 244
master’s candidates ................................................. 90

GRADUATE PROGRAMS

• Biomedical Engineering
• Biotechnology
• Computational Biology
• Ecology and Evolutionary Biology
• Molecular Biology, Cell Biology, and Biochemistry
• Molecular Pharmacology and Physiology
• Neuroscience
• Pathobiology
The Center on the Biology of Aging was established in 2018 within the Brown Institute for Translational Science, to expand biomedical research and education programs in the emerging discipline of biogerontology and to develop interventions that address age-related diseases and disorders. Led by Professor of Medical Science John Sedivy, PhD, who’s also the principal investigator of a predoctoral training grant from the National Institute on Aging, the center’s researchers hail from departments across the Division and Brown’s affiliated hospitals.
Undergraduate Medical Education

medical students ................................................. 590
MDs awarded in 2018 ........................................ 120

Graduate Medical Education

residents .............................................................. 696
residency programs ............................................ 27
fellows ................................................................. 232
fellowship programs ............................................ 82

Gateways

students .............................................................. 25
master’s degrees awarded in 2018 ..................... 18

DEGREE PROGRAMS

• Program in Liberal Medical Education (AB or ScB/MD)
• Primary Care-Population Medicine Program (MD/ScM)
• Gateways to Medicine, Health Care, and Research Master of Science in Medical Sciences (MMSc)
• MD/PhD
• MD/MPH
• MD/MPA

CERTIFICATE PROGRAM

• Gateways to Medicine, Health Care, and Research Certificate in Medical Science
The Warren Alpert Medical School received a Curricular Innovation Award from the Association of American Medical Colleges for its integration of training about opioids, substance use disorder, and pain management across all four years of undergraduate medical education.
affiliated teaching hospitals

serving 1.5 million people of diverse backgrounds

1. Rhode Island Hospital (a Level 1 trauma center) and Hasbro Children’s Hospital
2. The Miriam Hospital
3. Emma Pendleton Bradley Hospital (pediatric psychiatric)
4. Women & Infants Hospital
5. Butler Hospital (adult psychiatric)
6. Providence VA Medical Center
7. Kent Hospital
The National Institutes of Health have funded 11 Centers of Biomedical Research Excellence (COBREs) in Rhode Island, totaling more than $120 million. These grants to researchers at Brown and its affiliates fund investigators specializing in everything from cancer and cardiopulmonary disease to opioid use disorder and antimicrobial resistance.
External funding for research HAS GROWN 88% SINCE 2013
The following financial data are for the fiscal year ending June 30, 2018.

<table>
<thead>
<tr>
<th>FY’18 Total Division Endowment</th>
<th>$419,161,755</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY’18 Total Sponsored Activity (Campus and Affiliated Hospitals)</td>
<td>$326,860,795</td>
</tr>
<tr>
<td>Total Campus Sponsored Activity</td>
<td>$190,230,000</td>
</tr>
<tr>
<td>Division of Biology and Medicine</td>
<td>$58,865,917</td>
</tr>
<tr>
<td>Brown, excluding Division</td>
<td>$131,364,083</td>
</tr>
<tr>
<td>Total Affiliated Hospital Sponsored Activity</td>
<td>$136,630,795</td>
</tr>
<tr>
<td>Lifespan (Rhode Island Hospital, The Miriam Hospital, Bradley Hospital)</td>
<td>$83,543,928</td>
</tr>
<tr>
<td>Care New England (Women &amp; Infants Hospital, Kent Hospital, Butler Hospital)</td>
<td>$34,958,858</td>
</tr>
<tr>
<td>Providence VA Medical Center</td>
<td>$18,128,009</td>
</tr>
</tbody>
</table>
### FY’18 Total Revenues (Division)

<table>
<thead>
<tr>
<th>Revenue Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsored Funds</td>
<td>$58,865,917</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$48,281,614</td>
</tr>
<tr>
<td>Endowment Income</td>
<td>$15,655,940</td>
</tr>
<tr>
<td>University Support</td>
<td>$13,916,776</td>
</tr>
<tr>
<td>Hospital Support and Other Income</td>
<td>$12,307,147</td>
</tr>
<tr>
<td>Fundraising and Gifts</td>
<td>$8,498,652</td>
</tr>
</tbody>
</table>

Total Revenues: $157,526,046
## FY'18 Total Expenses

### (Division)

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
<th>Total Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY'18 Total Expenses</td>
<td></td>
<td>$153,521,332</td>
</tr>
<tr>
<td>Academic Departments</td>
<td>37%</td>
<td>$56,505,930</td>
</tr>
<tr>
<td>Sponsored Funds</td>
<td>28%</td>
<td>$43,343,904</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>15%</td>
<td>$23,937,472</td>
</tr>
<tr>
<td>Facilities</td>
<td>13%</td>
<td>$19,747,578</td>
</tr>
<tr>
<td>Administration, Library, and Other Costs</td>
<td>7%</td>
<td>$9,986,448</td>
</tr>
</tbody>
</table>

### Pie Chart

- **37%** Academic Departments
- **28%** Sponsored Funds
- **15%** Financial Aid
- **13%** Facilities
- **7%** Administration, Library, and Other Costs

**Expenses**
Philanthropy makes it possible to carry out the Division’s educational and research missions. The generosity of donors resulted in a number of new gifts in fiscal year 2018.

**New gifts and pledges** $70 million

**Brown Medical Annual Fund** $1.5 million

**CAMPAIGN UPDATE**

*BrownTogether*, the most ambitious fundraising campaign in the University’s history, continues to provide tremendous support for research, faculty support, and medical education. Of the campaign’s $3 billion goal, $300 million is earmarked for the Division of Biology and Medicine. To date, donors have generously given $155 million—surpassing the halfway point.

To learn more about supporting the Division of Biology and Medicine, please visit: 
giving.brown.edu/biomed
The gift from Robert J. Carney ’61 and Nancy D. Carney is driving an ambitious agenda to quicken the pace of scientific discovery and find cures for diseases of the brain. With this funding, the newly renamed Carney Institute for Brain Science is accelerating research into brain and nerve disorders, hiring top scholars, and investing in essential new technology.
LEADERSHIP

Jack A. Elias, MD
Senior Vice President for Health Affairs
Dean of Medicine and Biological Sciences

Michele G. Cyr, MD
Senior Associate Dean for Academic Affairs

Joseph A. Diaz, MD, MPH
Associate Dean for Diversity and Multicultural Affairs

Kimberly A. Galligan, MBA
Executive Dean for Administration

Edward Hawrot, PhD
Senior Associate Dean for the Program in Biology

Sharon I. S. Rounds, MD
Associate Dean for Clinical Affairs

Bethany Solomon, MBA
Associate Dean for Biomedical Advancement

Allan R. Tunkel, MD, PhD
Senior Associate Dean for Medical Education