On campus, in the hospitals, and in our community, our faculty, students, and staff are hard at work—unified in their passion to create new knowledge, to teach and to learn, and to change lives through research and clinical care. That’s the story behind the numbers.
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

- Dermatology
- Diagnostic Imaging
- Emergency Medicine
- Family Medicine
- Medicine
- Neurology
- Neurosurgery
- Obstetrics and Gynecology
- Orthopaedics
- Pediatrics
- Psychiatry and Human Behavior
- Radiation Oncology
- Surgery
WITH A $4.75 MILLION GRANT FROM THE OFFICE OF NAVAL RESEARCH, an interdisciplinary team of scientists aims to understand how traumatic brain injuries form and translate those findings into new helmet technologies. Engineering professors Christian Franck, PhD, the grant’s principal investigator, and Haneesh Kesari, PhD, will work with biomedical engineer Diane Hoffman-Kim, PhD; researchers at Sandia National Laboratory and Drexel; and a helmet manufacturer to measure traumatic forces down to the cellular level and develop a prototype that could prevent TBI.
Degrees Awarded in 2017

undergraduate ........................................................................ 286  
PhDs awarded ........................................................................ 36  
master’s degrees awarded ......................................................... 56

Graduate Education

postdoctoral research associates and fellows ............................. 60

graduate students .................................................................. 342

of which there were

PhD candidates .................................................................. 234

master’s candidates ................................................................. 108

Graduate Programs

• Biomedical Engineering
• Biotechnology
• Computational Biology
• Ecology and Evolutionary Biology
• Molecular Biology, Cell Biology, and Biochemistry
• Molecular Pharmacology and Physiology
• Neuroscience
• Pathobiology
THE HOWARD HUGHES MEDICAL INSTITUTE AWARDED LIFE SCIENCES FELLOWSHIPS to a postdoctoral fellow and two graduate students, furthering Brown’s efforts to support scholars from groups underrepresented in the life sciences. The competitive awards, which provide financial support and mentoring, went to, from left to right, Shawn Williams PhD’21 in molecular biology, cell biology, and biochemistry; neuroscientist Arif Hamid, PhD; and Kavin Nuñez ’15 PhD’21 in molecular pharmacology and physiology.
Undergraduate Medical Education
medical students ............................................. 587
MDs awarded in 2017 ........................................... 121

Graduate Medical Education
residents .......................................................... 675
residency programs ........................................... 25
fellows ............................................................. 205
fellowship programs ......................................... 74

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
IN 2017 THE MEDICAL SCHOOL WELCOMED 21 STUDENTS TO THE NEW GATEWAYS PROGRAM, which offers an ScM in Medical Science or a Certificate in Medical Science. The program’s small class sizes, mentoring, and graduate-level work are positioning Gateways graduates to pursue careers in the health professions, including medical school and research.
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
AN $8 MILLION GRANT FROM THE NATIONAL HEART, LUNG, AND BLOOD INSTITUTE will expand a community asthma care program led by two Rhode Island Hospital-based pediatric psychologists at the Warren Alpert Medical School and Hassenfeld Child Health Innovation Institute. Elizabeth McQuaid, PhD, and Daphne Koinis-Mitchell, PhD, will evaluate and grow current efforts to address disparities and improve outcomes among kids with asthma.
External funding for research has grown 55% since 2013.
The following financial data are for the fiscal year ending June 30, 2017.

<table>
<thead>
<tr>
<th>FY’17 Total Division Endowment</th>
<th>$361,115,243</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY’17 Total Sponsored Activity (Campus and Affiliated Hospitals)</td>
<td>$302,417,975</td>
</tr>
<tr>
<td>Total Campus Sponsored Activity</td>
<td>$172,196,000</td>
</tr>
<tr>
<td>Division of Biology and Medicine</td>
<td>$50,470,584</td>
</tr>
<tr>
<td>Brown, excluding Division</td>
<td>$121,725,416</td>
</tr>
<tr>
<td>Total Affiliated Hospital Sponsored Activity</td>
<td>$130,221,975</td>
</tr>
<tr>
<td>Lifespan (Rhode Island Hospital, The Miriam Hospital, Bradley Hospital)</td>
<td>$82,785,176</td>
</tr>
<tr>
<td>Care New England (Women &amp; Infants Hospital, Memorial Hospital of RI, Butler Hospital)</td>
<td>$29,980,013</td>
</tr>
<tr>
<td>Providence VA Medical Center</td>
<td>$17,456,786</td>
</tr>
</tbody>
</table>
FY'17 Total Revenues (Division) $144,737,794

- 35% Sponsored Funds $50,470,584
- 30% Tuition and Fees $43,538,131
- 12% Endowment Income $17,001,762
- 10% University Support $14,674,448
- 8% Hospital Support and Other Income $11,146,228
- 5% Fundraising and Gifts $7,906,641
<table>
<thead>
<tr>
<th>FY’17 Total Expenses (Division)</th>
<th>$140,421,155</th>
</tr>
</thead>
<tbody>
<tr>
<td>38% Academic Departments</td>
<td>$53,287,815</td>
</tr>
<tr>
<td>26% Sponsored Funds</td>
<td>$36,679,529</td>
</tr>
<tr>
<td>16% Financial Aid</td>
<td>$22,096,575</td>
</tr>
<tr>
<td>13% Facilities</td>
<td>$18,866,256</td>
</tr>
<tr>
<td>7% Administration, Library, and Other Costs</td>
<td>$9,490,980</td>
</tr>
</tbody>
</table>

**Expenses**

- **Academic Departments**: 38%
- **Sponsored Funds**: 26%
- **Financial Aid**: 16%
- **Facilities**: 13%
- **Administration, Library, and Other Costs**: 7%
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 2017.

**New gifts and pledges** $35.5 million

**Brown Medical Annual Fund** $1.24 million

**Campaign Update**

In October 2015, Brown University launched BrownTogether, the most ambitious fundraising campaign in the institution’s history. Of the campaign’s $3 billion goal, $300 million is earmarked for the Division of Biology and Medicine. To date, donors have generously given $141 million.

To learn more about supporting the Division of Biology and Medicine, please visit:

giving.brown.edu/biomed
BROWN CHANCELLOR SAMUEL M. MENCOFF ’78 AND HIS WIFE, ANN S. MENCOFF, MADE A $50 MILLION GIFT TO THE BROWN INSTITUTE OF TRANSLATIONAL SCIENCE (BITS), which is part of the Warren Alpert Medical School. The gift will propel efforts to transform biomedical research and discovery into treatments and cures for disease.
Jack A. Elias, MD  
Senior Vice President for Health Affairs  
Dean of Medicine and Biological Sciences

Michele G. Cyr, MD  
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  
Associate Dean for the Program in Biology

Sharon I. Rounds, MD  
Associate Dean for Clinical Affairs

Bethany Solomon, MBA  
Associate Dean for Biomedical Advancement

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