## TOP 25 INSTITUTIONS

<table>
<thead>
<tr>
<th>RANK IN 2012</th>
<th>RANK IN 2011</th>
<th>INSTITUTION</th>
<th># OF LIFE SCIENCE RESEARCHERS</th>
<th>FEDERAL FUNDING (IN MILLIONS USD)</th>
<th>PAPERS PUBLISHED IN THE LIFE SCIENCES†</th>
<th>CITATIONS PER PAPER†</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>J. David Gladstone Institutes, San Francisco, CA</td>
<td>27</td>
<td>43.2</td>
<td>166††</td>
<td>64.5††</td>
</tr>
<tr>
<td>2</td>
<td>*</td>
<td>Sage Bionetworks, Seattle, WA</td>
<td>&lt;30</td>
<td>&lt;6</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>*</td>
<td>Stowers Institute for Medical Research, Kansas City, MO</td>
<td>227</td>
<td>6.3</td>
<td>669</td>
<td>35.2</td>
</tr>
<tr>
<td>4</td>
<td>*</td>
<td>Research Center for Molecular Medicine of the Austrian Academy of Sciences (CeMM), Vienna, Austria</td>
<td>116</td>
<td>8.5</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>5</td>
<td>*</td>
<td>Massachusetts General Hospital, Boston, MA</td>
<td>1,445</td>
<td>416</td>
<td>21,321</td>
<td>29.7</td>
</tr>
<tr>
<td>6</td>
<td>*</td>
<td>La Jolla Institute for Allergy &amp; Immunology, La Jolla, CA</td>
<td>239</td>
<td>37.5</td>
<td>1,046</td>
<td>43.6</td>
</tr>
<tr>
<td>7</td>
<td>11</td>
<td>Institute for Systems Biology, Seattle, WA</td>
<td>155</td>
<td>20.6</td>
<td>885</td>
<td>61.5</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>St. Jude Children’s Research Hospital, Memphis, TN</td>
<td>614</td>
<td>89.4</td>
<td>5,112</td>
<td>27.7</td>
</tr>
<tr>
<td>9</td>
<td>*</td>
<td>Hebrew University of Jerusalem, Jerusalem, Israel</td>
<td>1,084</td>
<td>323.3</td>
<td>13,252</td>
<td>14.5</td>
</tr>
<tr>
<td>10</td>
<td>*</td>
<td>Blood Systems Research Institute, San Francisco, CA</td>
<td>18</td>
<td>8.4</td>
<td>252</td>
<td>18.6</td>
</tr>
<tr>
<td>11</td>
<td>13</td>
<td>The Jackson Laboratory, Bar Harbor, ME</td>
<td>36</td>
<td>56.8</td>
<td>1,668</td>
<td>29.9</td>
</tr>
<tr>
<td>12</td>
<td>16</td>
<td>Cleveland Clinic, Cleveland, OH</td>
<td>318</td>
<td>112</td>
<td>16,890</td>
<td>21.5</td>
</tr>
</tbody>
</table>

†From ISI Web of Knowledge Essential Science Indicators, which covers the period January 1, 2002 to April 30, 2012.
††Publication data available only for The Gladstone Institute of Cardiovascular Disease.

### THE CREAM OF THE CROP:

Topping this year’s survey of academic researchers is the J. David Gladstone Institutes, a San Francisco-based nonprofit biomedical research organization with a focus on cardiovascular disease, virology and immunology, and neurodegenerative disorders that also won the top honors last year. Two other basic biomedical research powerhouses, the Stowers Institute for Medical Research and the Research Center for Molecular Medicine (CeMM), in Vienna, Austria, take the 3rd and 4th spot, respectively. The Jackson Laboratories—the birthplace of JAX mice, the most published of mouse models—comes in at #11. And the Scripps Institution of Oceanography (#15) and Roswell Park Cancer Institute (#20) are among the oldest and most time-honored centers for the marine sciences and cancer research.
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<th>CITATIONS PER PAPER†</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>5</td>
<td>Boston Children’s Hospital Boston, MA</td>
<td>342</td>
<td>118</td>
<td>1,397</td>
<td>11.4</td>
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<tr>
<td>14</td>
<td>*</td>
<td>University of Sherbrooke Quebec, Canada</td>
<td>529</td>
<td>42.8</td>
<td>4,392</td>
<td>11.3</td>
</tr>
<tr>
<td>15</td>
<td>37</td>
<td>Scripps Institution of Oceanography La Jolla, CA</td>
<td>144</td>
<td>118.7</td>
<td>449</td>
<td>18.24</td>
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<tr>
<td>16</td>
<td>33</td>
<td>University of Michigan Ann Arbor, MI</td>
<td>N/A</td>
<td>824.7†</td>
<td>33,842</td>
<td>23.4</td>
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<td>17</td>
<td>*</td>
<td>University of Pittsburgh Pittsburgh, PA</td>
<td>2,921</td>
<td>571.5</td>
<td>33,347</td>
<td>21.3</td>
</tr>
<tr>
<td>18</td>
<td>*</td>
<td>Friedrich Miescher Institute for Biomedical Research Basel, Switzerland</td>
<td>86</td>
<td>10.4</td>
<td>786</td>
<td>48.6</td>
</tr>
<tr>
<td>19</td>
<td>15</td>
<td>Georgetown University Washington, DC</td>
<td>395</td>
<td>127.9</td>
<td>8,045</td>
<td>18.5</td>
</tr>
<tr>
<td>20</td>
<td>*</td>
<td>Roswell Park Cancer Institute Buffalo, NY</td>
<td>293</td>
<td>57.5</td>
<td>3,859</td>
<td>19.9</td>
</tr>
<tr>
<td>21</td>
<td>10</td>
<td>Oklahoma Medical Research Foundation Oklahoma City, OK</td>
<td>74</td>
<td>34.3</td>
<td>1211</td>
<td>23.17</td>
</tr>
<tr>
<td>22</td>
<td>39</td>
<td>University of Rochester Rochester, NY</td>
<td>1,209</td>
<td>222.8</td>
<td>13,646</td>
<td>21.3</td>
</tr>
<tr>
<td>23</td>
<td>17</td>
<td>H. Lee Moffitt Cancer Center &amp; Research Institute Tampa, FL</td>
<td>&gt;160</td>
<td>41.8</td>
<td>1,460</td>
<td>23.7</td>
</tr>
<tr>
<td>24</td>
<td>5</td>
<td>University of Groningen Groningen, Netherlands</td>
<td>1,221</td>
<td>461.6</td>
<td>16,940</td>
<td>17.1</td>
</tr>
<tr>
<td>25</td>
<td>14</td>
<td>The University of Oklahoma Health Sciences Center Oklahoma City, OK</td>
<td>84</td>
<td>86.5</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

† University-wide
### Strengths and Weaknesses

<table>
<thead>
<tr>
<th>Rank</th>
<th>Institution</th>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
</table>
| 1    | J. David Gladstone Institutes, San Francisco, CA | • Tenure and Promotion  
• Job Satisfaction | • Teaching and Mentoring  
• Peers |
| 2    | Sage Bionetworks, Seattle, WA | • Job Satisfaction  
• Pay | • Tenure and Promotion  
• Teaching and Mentoring |
| 3    | Stowers Institute for Medical Research, Kansas City, MO | • Management and Policies  
• Research Resources | • Teaching and Mentoring  
• Tenure and Promotion |
| 4    | Research Center for Molecular Medicine of the Austrian Academy of Sciences (CeMM), Vienna, Austria | • Research Resources  
• Job Satisfaction | • Pay  
• Tenure and Promotion |
| 5    | Massachusetts General Hospital, Boston, MA | • Peers  
• Job Satisfaction | • Tenure and Promotion  
• Teaching and Mentoring |
| 6    | La Jolla Institute for Allergy & Immunology, La Jolla, CA | • Infrastructure and Environment  
• Peers | • Job Satisfaction  
• Teaching and Mentoring |
| 7    | Institute for Systems Biology, Seattle, WA | • Teaching and Mentoring  
• Pay  
• Peers | • Tenure and Promotion  
• Peers |
| 8    | St. Jude Children's Research Hospital, Memphis, TN | • Research Resources  
• Pay | • Teaching and Mentoring  
• Infrastructure and Environment |
| 9    | Hebrew University of Jerusalem, Jerusalem, Israel | • Tenure and Promotion  
• Management and Policies | • Infrastructure and Environment  
• Research Resources |
| 10   | Blood Systems Research Institute, San Francisco, CA | • Teaching and Mentoring  
• Research Resources | • Tenure and Promotion  
• Pay |
| 11   | The Jackson Laboratory, Bar Harbor, ME | • Research Resources  
• Peers | • Infrastructure and Environment  
• Pay |
| 12   | Cleveland Clinic, Cleveland, OH | • Research Resources  
• Infrastructure and Environment | • Job Satisfaction  
• Management and Policies |
| 13   | Boston Children's Hospital, Boston, MA | • Teaching and Mentoring  
• Infrastructure and Environment | • Job Satisfaction  
• Pay |
| 14   | University of Sherbrooke, Quebec, Canada | • Tenure and Promotion  
• Job Satisfaction | • Research Resources  
• Peers |
| 15   | Scripps Institution of Oceanography, La Jolla, CA | • Tenure and Promotion  
• Job Satisfaction | • Peers  
• Research Resources |
| 16   | University of Michigan, Ann Arbor, MI | • Tenure and Promotion  
• Teaching and Mentoring | • Management and Policies  
• Pay |
| 17   | University of Pittsburgh, Pittsburgh, PA | • Pay  
• Peers | • Tenure and Promotion  
• Job Satisfaction |
| 18   | Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland | • Research Resources  
• Infrastructure and Environment | • Pay  
• Teaching and Mentoring |
| 19   | Georgetown University, Washington, DC | • Teaching and Mentoring  
• Tenure and Promotion | • Pay  
• Infrastructure and Environment |
| 20   | Roswell Park Cancer Institute, Buffalo, NY | • Management and Policies  
• Research Resources | • Teaching and Mentoring  
• Tenure and Promotion |
| 21   | Oklahoma Medical Research Foundation, Oklahoma City, OK | • Job Satisfaction  
• Pay | • Infrastructure and Environment  
• Tenure and Promotion |
| 22   | University of Rochester, Rochester, NY | • Job Satisfaction  
• Management and Policies | • Teaching and Mentoring  
• Research Resources |
| 23   | H. Lee Moffitt Cancer Center & Research Institute, Tampa, FL | • Tenure and Promotion  
• Teaching and Mentoring | • Research Resources  
• Peers |
| 24   | University of Groningen, Groningen, Netherlands | • Tenure and Promotion  
• Job Satisfaction | • Research Resources  
• Peers |
| 25   | The University of Oklahoma Health Sciences Center, Oklahoma City, OK | • Tenure and Promotion  
• Teaching and Mentoring | • Peers  
• Research Resources |