AGENDA

1. CALL TO ORDER & OPENING COMMENTS
   5 minutes (10:45 – 10:50 a.m.)
   Mr. H. Benson Dendy, III, Rector

2. PUBLIC COMMENT PERIOD
   15 minutes (10:50 – 11:05 a.m.)
   Ms. Chelsea Gray, Executive Director of Board and Executive Operations

3. PRESIDENT’S REPORT
   15 minutes (11:05 – 11:20 a.m.)
   Dr. Michael Rao, President

4. CONSENT AGENDA ACTION ITEMS
   5 minutes (11:20 – 11:25 a.m.)
   a. September 16, 2022 meeting minutes
   b. October 21, 2022 Retreat minutes
   c. Administration Committee Action Item
      i. Resolution to Approve Employee Benefit Program Change for Postdoctoral Scholars
   d. Finance and University Resources Committee Action Items
      i. Committee Dashboard
      ii. Revised Investment and Liquidity Policy
      iii. Skilled Trades Contracts
   Mr. Andrew Florance, Chair
   Mr. Todd Haymore, Chair

1 The start time for the Board of Visitors meeting is approximate only. The meeting may begin either before or after the listed approximate start time as Board members are ready to proceed.

2 The length of time for public comment period subject to the number of people who sign up for public comment.
5. **VCU STATE OF RESEARCH**  
30 minutes (11:25 – 11:55 a.m.)  
   *Dr. Srirama Rao, Vice President for Research and Innovation*

6. **VCU THREAT ASSESSMENT TEAM**  
10 minutes (11:55 – 12:05 p.m.)  
   *Mr. John Venuti, Associate Vice President of Public Safety, VCU and VCU Health and Chief of Police*

7. **CONSTITUENT REPORTS**  
   a. Student Representatives  
      10 minutes (12:05 - 12:15 p.m.)  
   
   b. Faculty Representatives  
      5 minutes (12:15 – 12:20 p.m.)  
   
   c. Staff Representatives  
      5 minutes (12:20 – 12:25 p.m.)  
   *Mr. Jesse Simpson, Graduate Student BOV Representative*  
   *Mr. Oscar Kemp, Undergraduate Student BOV Representative*  
   *Dr. Nancy Jallo, Faculty Senate BOV Representative*  
   *Ms. Brogan King, Staff Senate BOV Representative*

8. **BREAK – LUNCH TO BE PLACED AT SEATS**  
15 minutes (12:25 – 12:40 p.m.)  
*Dr. Marlon Levy, Interim Senior Vice President for Health Sciences and CEO of VCU Health System*

9. **VCU HEALTH SYSTEM UPDATE**  
10 minutes (12:40 – 12:50 p.m.) 

10. **CLOSED SESSION** – *Freedom of Information*  
    
    Act Sections 2.2-3711 (A) (1), (3), (7), (8), (9), (19), (23) specifically:  
    5 minutes (12:50 – 12:55 p.m.)  
    
    a. Audit, Integrity and Compliance Committee Closed Session Report  
       2 minutes (12:55 – 12:57 p.m.)  
    
    b. Administration Committee Closed Session Report  
       2 minutes (12:57 – 12:59 p.m.)  
    
    c. Finance and University Resources Committee Closed Session Report  
       *Dr. Shantaram Talegaonkar, Chair*  
       *Mr. Andrew Florance, Chair*  
       *Mr. Todd Haymore, Chair*
d. President’s Report:  
Dr. Michael Rao, President  
60 minutes (1:01 – 2:01 p.m.)

e. VCUHSA Committee Closed Session Report  
Ambassador Carmen Lomellin,  
25 minutes (2:01 – 2:26 p.m.)

f. Governance Committee  
Ms. Carolina Espinal, Chair & Vice Rector  
Closed Session Report  
10 minutes (2:26 – 2:36 p.m.)

11. RETURN TO OPEN SESSION AND CERTIFICATION  
Mr. H. Benson Dendy, III, Rector  
Resolution and Certification  
2 minutes (2:36 – 2:38 p.m.)

Action Items: Approval of items discussed in  
closed session, if any  
2 minutes (2:38 – 2:40 p.m.)

12. OTHER BUSINESS  
Mr. H. Benson Dendy, III, Rector  
a. Open Session Reports  
b. Other  
5 minutes (2:40 – 2:45 p.m.)

13. ADJOURNMENT  
Mr. H. Benson Dendy, III, Rector
Approval of Employee Benefit Program Changes
Postdoctoral Scholar-fellows

**Background**
Consistent with Virginia peer institutions (VT, W&M, UVA, GMU), VCU seeks to provide equitable employment for postdoctoral scholar-fellows by granting them access to employment benefits provided to state employees, which are currently offered to VCU’s full-time, salaried employees. These benefits include access to the state’s health insurance and retirement plans.

The Office of the Vice President for Research and Innovation (OVPRI) oversees VCU’s postdoctoral program. Postdoctoral scholars are essential to VCU’s research mission and are on career paths to become next-generation scientists. Postdoctoral employment conditions are consistent with the definition of “state employee” in Code of Virginia 51.1-124.3 (used for state retirement and health benefits eligibility) in that they are regularly employed full-time on a salaried basis, their tenure is not temporary or provisional, and their compensation is payable no more often than biweekly, in whole or in part, by an agency of the Commonwealth.

**Considerations**
VCU employs approximately 160 postdoctoral scholar-fellows who are critical to VCU’s research mission. Postdoctoral scholar-fellows not only conduct research at VCU, their professional development includes training graduate students, writing grants and teaching. Employment with full benefits is common for postdoctoral scholar-fellows at peer institutions and making this change will allow VCU to be competitive in recruiting and retaining talent.

**Costs/funding**
This change will result in a 31.6% increase in the fringe benefit rate for postdoctoral scholar fellows. OVPRI will provide a “hold harmless” period ending June 10, 2024, during which OVPRI will bear the costs of the increased fringe benefit rate (the gap between the current and new rates). After this date, VCU faculty who employ postdoctoral fellows will be responsible for the costs of these fringe benefits and will be included in future research funding proposals.

**Recommendation**
Approve the resolution to include Postdoctoral Scholar - Fellows in the employee benefits program.
RESOLUTION OF THE BOARD OF VISITORS OF VIRGINIA COMMONWEALTH UNIVERSITY

AUTHORIZATION AND APPROVAL OF EMPLOYEE BENEFIT PROGRAM CHANGES FOR POSTDOCTORAL SCHOLARS

WHEREAS, Chapter 6.1, Title 23 of the Code of Virginia of 1950, as amended (the "Virginia Code") establishes a public corporation under the name and style of Virginia Commonwealth University (the "University") which is governed by a Board of Visitors (the "Board") vested with the supervision, management and control of the University;

WHEREAS, Title 23 of the Virginia Code classifies the University as an educational institution of the Commonwealth of Virginia;

WHEREAS, by Chapter 4.10, Title 23 of the Virginia Code, the University entered into a management agreement with the Commonwealth of Virginia which was enacted as Chapter 594 of the Acts of Assembly of 2008 ("Management Agreement") which, as amended, classifies the University as a public institution of higher education with certain autonomous powers;

WHEREAS, the Management Agreement states that “any new plans, programs and material changes permitted under current law in University employee benefit plans, other than Classified Employee benefit plans, shall be approved by the Board of Visitors;”

WHEREAS, the category of Postdoctoral Scholar - Fellows, as defined in the university's Postdoctoral Scholars policy, is consistent with definition of “state employee” in Virginia Code Section 51.1-124.3, creating eligibility for retirement and health insurance benefits provided to state employees under applicable law;;

WHEREAS, VCU is authorized by Code of Virginia 51.1-126 to operate an optional retirement plan for employees engaged in the performance of teaching, administrative, or research duties; and

WHEREAS, the University wishes to provide eligibility to postdoctoral scholars to participate in state employee health insurance, Virginia Retirement System, the university’s Optional Retirement Plan and Cash Match Plan, under the same conditions as term faculty who conduct research in support of the university’s mission

WHEREAS, the University wishes to provide eligibility for paid annual leave, sick leave, personal leave, and community service leave to postdoctoral scholars as it is provided to term faculty who conduct research in support of the university’s mission;

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF VISITORS OF VIRGINIA COMMONWEALTH UNIVERSITY:
1. The Board hereby authorizes the President or his designee to add Postdoctoral Scholar - Fellows to the list of employees eligible to participate in state employee health insurance, Virginia Retirement system benefits, and the university’s Optional Retirement Plan and Cash Match Plan.

2. The Board hereby authorizes the President or his designee to add Postdoctoral Scholar - Fellows to the list of employees covered by the annual leave, sick leave, personal leave, and community service leave provisions applicable to term faculty.

3. The Board authorizes the President of the University, or his designee, on behalf of the University, to execute and deliver any documents required by and related to the addition of Postdoctoral Scholar - Fellows to the list of employees eligible to participate in the Optional Retirement Plan and Cash Match Plan.

4. This Resolution shall take effect immediately upon its adoption.
# Finance and University Resources Committee
## Dashboard Metrics

<table>
<thead>
<tr>
<th>Area</th>
<th>Target/Goal</th>
<th>Actual</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FINANCE</strong></td>
<td></td>
<td></td>
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<tr>
<td><em>Supply Chain Diversity</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Increase procurement with minority-owned businesses</td>
<td>4.50%</td>
<td>5.30%</td>
<td></td>
</tr>
<tr>
<td>2. Increase procurement with woman-owned businesses</td>
<td>4.50%</td>
<td>3.90%</td>
<td></td>
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<tr>
<td><strong>Bond Ratings</strong></td>
<td></td>
<td></td>
<td>VCU is at the minimum rating required to maintain Tier III Status</td>
</tr>
<tr>
<td>Moody's</td>
<td></td>
<td>Aa3</td>
<td></td>
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<tr>
<td>S&amp;P</td>
<td></td>
<td>AA-</td>
<td></td>
</tr>
<tr>
<td><strong>Debt Ratio</strong></td>
<td></td>
<td></td>
<td>Internal policy sets 4% limit 3% as of June 2021, providing a debt capacity of approx. $103M</td>
</tr>
<tr>
<td><strong>Investment Performance</strong></td>
<td></td>
<td></td>
<td>One year as of September 30, 2022</td>
</tr>
<tr>
<td>Short-term tier</td>
<td>3.03%</td>
<td>2.78%</td>
<td></td>
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<tr>
<td>Long-term tier</td>
<td>18.71%</td>
<td>14.03%</td>
<td></td>
</tr>
<tr>
<td><strong>Budget to Actual Performance</strong></td>
<td></td>
<td></td>
<td>As of September 30, 2022</td>
</tr>
<tr>
<td>Revenues</td>
<td>*Q1 - 36%, Q2 - 66%, Q3 - 84%, Q4 - 100%</td>
<td>Q1 - $488.6M (32% of budget)</td>
<td></td>
</tr>
<tr>
<td>Expenses</td>
<td>*Q1 - 28%, Q2 - 48%, Q3 - 77%, Q4 - 100%</td>
<td>Q1 - $413.7M (27% of budget)</td>
<td></td>
</tr>
<tr>
<td>(based on 10-year averages)</td>
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<td></td>
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<tr>
<td><strong>DEVELOPMENT &amp; ALUMNI RELATIONS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Increase Annual Giving &amp; Alumni Engagement</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Progress to Campaign Goal</td>
<td>Preliminary campaign goal - $1,000,000,000</td>
<td>$501,405,319</td>
<td>Current FY dollars raised: $105,288,914  Same Time Last Year: $68,156,738  Percentage Change: 54.48%</td>
</tr>
<tr>
<td>Annual Giving (Gifts &lt; $50,000)</td>
<td></td>
<td>$4,474,763</td>
<td>Same Time Last Year: $4,541,545  Percentage Change: -1.47%</td>
</tr>
<tr>
<td>Alumni Giving</td>
<td></td>
<td>$3,978,386</td>
<td>Same Time Last Year: $6,448,087  Percentage Change: -38.3%</td>
</tr>
<tr>
<td>Alumni Donors</td>
<td>2,093</td>
<td>Same Time Last Year: 1,960</td>
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<tr>
<td></td>
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<td>Percentage Change: 6.79%</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Alumni Engagement</th>
<th>8,977 (FY23Q1)**</th>
<th>Percentage Change: -22.49%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11,581 (FY22Q1)</td>
<td></td>
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</tbody>
</table>

**Data only available for FY23Q1. Season ticket holders have not been entered for FY23 which is contributing to the decline in alumni engagement.**

### GOVERNMENT RELATIONS PRIORITIES

- Increase Undergraduate financial aid
- Increase funding for faculty salaries
- Address structural underfunding of $60M
- Make permanent $25M/year of Massey Cancer Center
- Secure authorization for School of Dentistry planning
Revised Investment and Liquidity Policy
Excerpted change from the policy:

The Senior Vice President and Chief Financial Officer may appoint an independent manager to invest funds designated for a specific purpose or institute outside of the manner outlined in this policy, on the condition that any such investments, whether short term or long term, must still comply with relevant law (including the Uniform Prudent Management of Institutional Funds Act, as applicable). The independent manager will provide regular reporting to the Senior Vice President and Chief Financial Officer or designee. Notice of such exceptions shall be provided to the Board at the next meeting of the Board. Timely reporting of the nature of the investments will also be provided to the Board.
To: The Board of Visitors of Virginia Commonwealth University
From: Procurement Services and Facilities Management
Subject: Approval for Skilled Trades Contracts Exceeding $5 Million
Date: December 9, 2022

Recommendation

We recommend that the Board approve the contracts for skilled trades services and authorize the Senior Vice President and Chief Financial Officer to execute the contracts on behalf of Virginia Commonwealth University.

Background

The Office of the President issued the Delegation of Signatory Authority policy on May 10, 2019. Pursuant to the Delegation of Signatory Authority policy, contracts with a total actual or anticipated expenditure value exceeding $5 million require prior approval by the Board. Virginia Commonwealth University wishes to enter into contracts with providers (Collectively the “Firms”) of various skilled trade services to support its Facilities Management operations. The total anticipated expenditure value over the term of the contracts will exceed $5 million.

Discussion

The Firms will be selected through a competitive request for proposal process in accordance with University procurement policy to provide skilled trade services including, but not limited to, door installation and repair, roofing, fume hood repairs, electrical maintenance, lead, mold abatement and testing, masonry, carpentry and paving services for the Facilities Management Department. The contracts will allow the University to respond quickly by retaining a network of prequalified firms, including local, small, woman and minority-owned (SWaM) businesses, to provide services as needed.

The contracts shall have a one (1) year initial term (the “Initial Term”) and may be renewed by VCU upon mutual written agreement of authorized representatives of the Parties for seven (7) successive one (1) year periods (the “Renewal Term”) under the terms and conditions of the contract or as otherwise agreed in writing by the Parties at such time. It is anticipated that all optional renewals will be pursued.

University Impact

The contracts will benefit the University’s efforts to maintain, upgrade and renovate its campus buildings.
RESOLUTION OF THE BOARD OF VISITORS OF VIRGINIA COMMONWEALTH UNIVERSITY

APPROVAL FOR CONTRACTS EXCEEDING $5 MILLION

WHEREAS, the Office of the President issued the Delegation of Signatory Authority policy on May 10, 2019;

WHEREAS, pursuant to the Delegation of Signatory Authority policy, contracts with a total actual or anticipated expenditure value exceeding $5 million require prior approval by the Board;

WHEREAS, Virginia Commonwealth University wishes to enter into contracts with providers of skilled trade services (Collectively the “Firms”) to purchase various services including, but not limited to, door installation and repair, roofing, fume hood repairs, electrical maintenance, lead, mold abatement and testing, masonry, carpentry, and paving services for the Facilities Management Department; and

WHEREAS, the total actual or anticipated expenditure value of the contracts will exceed $5 million over the contracts term.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF VISITORS OF VIRGINIA COMMONWEALTH UNIVERSITY:

1. The Board approves execution of contracts with the Firms.

2. The Board authorizes the Senior Vice President and Chief Financial Officer to execute the contracts on behalf of Virginia Commonwealth University.

3. This Resolution will take effect immediately upon its adoption.
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Slides</th>
</tr>
</thead>
<tbody>
<tr>
<td>overview</td>
<td>Alignment with Quest 2028</td>
<td>2-5</td>
</tr>
<tr>
<td>growth</td>
<td>By the numbers</td>
<td>6-11</td>
</tr>
<tr>
<td>impact</td>
<td>VCU’s strengths-based strategic initiatives</td>
<td>12-23</td>
</tr>
<tr>
<td>future</td>
<td>VCU’s strategic investments and opportunities</td>
<td>24-34</td>
</tr>
</tbody>
</table>
One VCU Research and Innovation

Alignment with Quest 2028 Goals

VCU
- Diversity driven excellence
- Student success
- Research and innovation
- Thriving communities

VCU

One VCU Research
- Enriching the human experience
- Optimizing health
- Achieving a just and equitable society
- Supporting sustainable energy and environments
- Transformative Innovation

VCUHealth System
- Workforce wellness
- Patient-centered care
- Innovative research and education
- Advancement of health equity
QUEST 2028: One VCU Research Goals

Transdisciplinary Approach: leading to knowledge creation

Culture of Collaboration: built upon on ethics, integrity and inclusive practices

Research infrastructure: that is scalable, nimble and ready for growth

Goals by 2028:

- 10%↑ Faculty & Students
- Higher rankings
- 3.5%↑ Federal Funding
- 5%↑ clinical research
- 2X↑ Startups & IP
- $500M sponsored research
49%, 5-year increase in External Sponsored Funding ($M)
FY2022 VCU Sponsored Program Awards: $405.6M

- Medicine, $205.4 M
- Arts (includes VCUQ), $40.2 M
- Education, $34.5 M
- Humanities & Sciences, $18.6 M
- Engineering, $37.4 M
- Wilder, $3.1 M
- Other (OVPRI, Provost, Finance), $35.0 M
- Business, $0.2 M
- Social Work, $2.0 M
- Nursing, $8 M
- Health Professionals, $5.2 M
- Dentistry, $6.4 M
- Pharmacy, $9.7 M
External Awards by Source

12% increase over FY2021 ($363M)

Total Federal: $176,606,237.00

- NIH, $95.7M
- Other, $102.5M
- State, $64.5M
- Industry, $82.0M
- Other DHHS, $15.7M
- VAMC, $15.4M
- NSF, $7.2M
- US DoEd, $7.8M
- SSA, $4.2M
- Other Federal, $3.6M
VCU in U.S. and Global Rankings

**Top 2%**
VCU has 212 faculty within the world’s top 2% of scientists *(Source: Stanford survey)*

**Top 3**
Among Virginia’s public research universities *(Source: NSF Herd survey)*

**Top 22%**
Of global research universities *(Source: U.S. News & World Report)*

**Top 30**
Of U.S. innovative public universities *(Source: U.S. News & World Report)*

**Top 50**
Of U.S. public high-activity research institutions with strong undergraduate programs; designated as community-engaged *(Source: 2020 NSF HERD survey, Carnegie Foundation)*
**FY2020 U.S. Public Research University Ranking**

*In FY2021, VCU reported $364M in expenditures; new rankings to be announced on 12/13*

<table>
<thead>
<tr>
<th>University</th>
<th>Ranking</th>
<th>Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida State U.</td>
<td>48</td>
<td>$350,430,000</td>
</tr>
<tr>
<td>U. South Florida, Tampa</td>
<td>50</td>
<td>$333,344,000</td>
</tr>
<tr>
<td>Uniformed Services U</td>
<td>52</td>
<td>$324,463,000</td>
</tr>
<tr>
<td>U. Tennessee, Knoxville</td>
<td>54</td>
<td>$320,407,000</td>
</tr>
<tr>
<td>Temple U.</td>
<td>56</td>
<td>$299,707,000</td>
</tr>
<tr>
<td>Virginia Commonwealth U.</td>
<td>58</td>
<td>$283,874,000</td>
</tr>
<tr>
<td>U. Connecticut</td>
<td>60</td>
<td>$280,131,000</td>
</tr>
<tr>
<td>U. Hawaii, Manoa</td>
<td>62</td>
<td>$275,929,000</td>
</tr>
<tr>
<td>Medical U. South Carolina</td>
<td>64</td>
<td>$272,590,000</td>
</tr>
<tr>
<td>SUNY, Stony Brook U.</td>
<td>66</td>
<td>$263,470,000</td>
</tr>
<tr>
<td>U. California, Santa Barbara</td>
<td>68</td>
<td>$254,434,000</td>
</tr>
</tbody>
</table>

*In FY2020, VCU ranked #58*

*In FY2019, VCU ranked #65*
Transformative Innovation is in VCU’s DNA

1956: D. Hume, M.D.
Organ transplantation pioneer

1970: R. Martin, Ph.D.
Addiction and drug abuse

1980: B. Benacerraf, M.D.
Nobel Prize in Medicine or Physiology

2002: J. Fenn, Ph.D.
Nobel Prize in Chemistry

2022

C. Reina, Ph.D.
Leadership, customer/patient outcomes

N. Hagiwara, Ph.D.
Racial disparities, pain

C. Hulshof, Ph.D.
Tropical biodiversity

L. Cannon, Ph.D.
Bioinformatics, HIV

M. Bertino, Ph.D.
Experimental Nanoscience

K. Kim, Ph.D.
Segregation, mental health

M. Safo, Ph.D.
Sickle cell disease

F. Gupton, Ph.D.
Pharmaceutical engineering

K. Kendler, M.D.
Genetics, addiction

S. El-Shall, Ph.D.
Chemistry, nanoscience

K. Aberg, Ph.D.
Epigenetics, DNA methylation

V. Chen, Ph.D.
Economic inequality

I. Morgan, Ph.D.
HPV16

P. Hwang, Ph.D.
Cell mechanobiology

C. Stanciu, Ph.D.
American Indian studies

D. Bandyopadhyay, Ph.D.
Oral health, biostatistics

1970: R. Martin, Ph.D.
Addiction and drug abuse

2002: J. Fenn, Ph.D.
Nobel Prize in Chemistry
One VCU Research Strategic Initiatives

Optimizing health

Achieving a just and equitable society

Supporting sustainable energy and environments

Transformative Innovation

Enriching the human experience
Enriching the Human Experience

Enhancing Cybersecurity
Milos Manic, Ph.D., COE

Designing speakers for connection,
Jane Chung, Ph.D., SON

Designing protective fabric,
Khaled Saoud, Ph.D., VCUarts, Qatar

Designing superatom properties,
Shiv Khanna, Ph.D., CHS
Achieving a Just and Equitable Society

‘Code switching’ Black emotions,
Fantasy Lozada, Ph.D., CHS

Reducing backlog of rape kits,
Tracey Dawson Green, Ph.D., CHS

 Retaining minority Ph.D. students,
Mychal D. Smith, Ph.D., CHS
Optimizing Health

Guiding treatment with 3D ‘brains'
Ravi Hadimani, Ph.D., ENGR

Studying long COVID harm to kids
Amy Salisbury, Ph.D., SON

Finding cancer clues in the mouth
Jose Trevino, M.D., SOM
Optimizing Health

Clinical and applied research to address TBI, spinal cord injuries, pain and rehabilitation

Genetic & behavioral answers to addiction risk
The impact of clinical research at VCU

FY2022 RESULTS

<table>
<thead>
<tr>
<th>FY2019</th>
<th>FY2020</th>
<th>FY2021</th>
<th>FY2022</th>
<th>FY2023</th>
</tr>
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<tbody>
<tr>
<td>410</td>
<td>329</td>
<td>397</td>
<td>519</td>
<td>521</td>
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<tr>
<td>393</td>
<td>459</td>
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<tr>
<td>1205</td>
<td>982</td>
<td>1228</td>
<td>421</td>
<td>568</td>
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<tr>
<td>694</td>
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</table>

COVID spikes make it easy to see how critical community needs are met through clinical research

672 active trials
1.2% increase

> 50% of all clinical trials are designed by VCU faculty to address unmet patient needs

357 VCU designed

1,553 enrolled
across all active clinical trials

COVID spikes make it easy to see how critical community needs are met through clinical research
Patient needs guide clinical research priorities

47% increase in past five fiscal years

>1,200 clinical research studies (↑2.6%)
~ 5,000 participants in research studies

>670 active clinical trials (↑1.2%)
>1,600 participants in clinical trials

>350 VCU faculty-led clinical trials
(175 address community priorities)

>30 VCU new device studies

>1,200 clinical research studies (↑2.6%)
~ 5,000 participants in research studies

>670 active clinical trials (↑1.2%)
>1,600 participants in clinical trials

>350 VCU faculty-led clinical trials
(175 address community priorities)

>30 VCU new device studies
Supporting Sustainable Energy and Environments

Collaborating for sustainability,
Puru Jena, Ph.D., CHS,

Tracking forest carbon cycling
Chris Gough, Ph.D., CHS

Developing safer reactors
Jessika Rojas, Ph.D., ENGR
Technology Commercialization and Entrepreneurship

Bringing ideas and innovations to the marketplace
FY2022 Technology Commercialization Impact

144 Patents filed
27 Licenses & options
31 Start-ups supported
$3.1M Licensing revenue
122 Invention disclosures
18 Patents issued
10 Start-ups licensed

Licensing revenue
Developing implant to restore sense of smell

‘Nerve Tape’ aligns peripheral nerves following traumatic injuries
VCU Research Drives Innovation to the Marketplace

~60+ Startups | ~$80M Funding | 8 Products (from start-ups) in 10 years

VCU earned APLU’s Designation for Innovation and Economic Prosperity
The Future of One VCU Research
Landmark funding with renewals on the horizon

**Wright Center for Clinical and Translation Research:**
funded by the NIH; CTSA grant renewal of >$30M+ is pending

**Massey Cancer Center:**
funded by the NIH; comprehensive status and NCI Cancer Center Grant are pending

**Stravitz-Sanyal Institute for Liver Disease & Metabolic Health:**
created with a $104M gift; major grants in clinical and basic research

**VCU Medicines for All:**
funded publicly and privately; Bill and Melinda Gates Foundation renewal of $16.7M is pending
Research Institutes and Centers (RICs)

Catalyzing inter/transdisciplinary research to address global challenges

2021 RICs

1. Center on Society & Health
2. Center for Rehabilitation Science & Engineering
3. Clark-Hill Institute for Positive Youth Development
4. Center on Health Disparities
5. Institute for Research on Emotional & Behavioral Health
6. Institute for Women’s Health
7. Partnership for People with Disabilities

2022 RICs

8. Center for Drug Discovery
9. Center for Microbiome Engineering & Data Analysis
10. Humanities Resource Center
11. Institute for Drug & Alcohol Studies
12. Institute for Sustainable Energy & Environment
Global Academic and Research Engagement
Undergraduate Research and Innovation

- **300+** student presentations during VCU Research Weeks in FY2022
- **59** undergraduate student researchers hired in FY2022
- **22%** increase in undergraduate student engagement over FY2021
QUEST 2028: Continued and Strategic Investments in Research

**Institutional**
- Faculty, cluster hires
- Student engagement
- URM faculty, students
- Global engagement
- Institutes and centers

**Infrastructure**
- Strengthening research cores
- Critical research equipment needs
- Research Space (aging laboratories)

**Research Initiatives**
- Funds:
  - Momentum
  - Accelerate
  - Arts, Humanities & Social Sciences
  - Breakthroughs
  - Proof of Concept / Tech commercialization

**Operational**
- Sponsored Programs
- Human Research Programs
- Animal Resources
- IT systems solutions
- Grant writing
- Reduction of faculty burden
Annual Projected Growth *predicated* upon strategic investments in the Research Enterprise.
VCU earned APLU’s Innovation and Economic Prosperity designation in November 2022.

**Present: 2022**
- ~20 issued patents
- $3.7M licensing revenue per year
- 6-7 start-ups per year

**Goal: 100% increase**

**Future: 2028**
- 30-40 issued patents per year
- $9M licensing revenue per year
- 10-15 start-ups per year
- $3.7M licensing revenue per year

**Enhancing the Public Impact Pipeline**
VCU’s Impact on the Region

Impact on Virginia
$9.5 billion total economic impact
58,000 jobs

Impact on Richmond Region
$6.3 billion total economic impact
44,000 jobs

Impact on the city of Richmond
$3.9 billion total economic impact
33,000 jobs
QUEST 2028: Investments and advancement in research lead to transformative innovation and knowledge creation

**Inform public policies and practices**
Through community engaged, actionable research results

**Create sustainable solutions**
Through innovation in arts, humanities and technology

**Address societal issues and vulnerabilities**
Through AI, VR, ML, cyber security, HPRC and data science tech

**Prepare for the future**
By advancing sustainable energy, materials and manufacturing

**Deconstruct grand challenges**
Through advances in basic and applied research

**Reduce health disparities**
Through public health, clinical research and trials

**Leverage inclusive culture**
Through a diverse Team Science and URM faculty in research leadership

**Deliver health breakthroughs**
Through drugs, devices, biologics and vaccine development
OSCAR KEMP
UNDERGRADUATE STUDENT REPRESENTATIVE
Fall Semester Recap

STUDENT AND CAMPUS LIFE
(UN)Common Student Research and Resources
Student Impact of VCU's Research Resources
Presidential Student Ambassadors Visit Rice
Rivers Research Center
Thank you!
Questions?

Oscar Kemp,
Undergraduate Student Representative