COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN: 52-0595110

DATE: 06/13/2013

ORGANIZATION:
The Johns Hopkins University
353 Garland Hall
3400 North Charles Street
Baltimore, MD 21218-2688

FILING REF.: The preceding agreement was dated 05/22/2012

The rates approved in this agreement are for use on grants, contracts and other agreements with the Federal Government, subject to the conditions in Section III.

SECTION I: INDIRECT COST RATES

<table>
<thead>
<tr>
<th>RATE TYPES</th>
<th>FIXED</th>
<th>FINAL</th>
<th>PROV. (PROVISIONAL)</th>
<th>PRED. (PREDETERMINED)</th>
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</thead>
<tbody>
<tr>
<td>EFFECTIVE PERIOD</td>
<td>RATE (%)</td>
<td>LOCATION</td>
<td>APPLICABLE TO</td>
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<tr>
<td>FINAL</td>
<td>07/01/2008</td>
<td>06/30/2010</td>
<td>64.00 On-Campus</td>
<td>Organized Research</td>
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<td>62.00 On-Campus</td>
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<td>06/30/2010</td>
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<td>07/01/2010</td>
<td>06/30/2015</td>
<td>26.00 Off-Campus</td>
<td>Organized Research</td>
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<tr>
<td>FINAL</td>
<td>07/01/2008</td>
<td>06/30/2010</td>
<td>46.20 On-Campus</td>
<td>Instruction</td>
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<td>PRED.</td>
<td>07/01/2010</td>
<td>06/30/2011</td>
<td>46.20 On-Campus</td>
<td>Instruction</td>
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<td>06/30/2010</td>
<td>26.00 Off-Campus</td>
<td>Instruction</td>
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<tr>
<td>PRED.</td>
<td>07/01/2010</td>
<td>06/30/2015</td>
<td>26.00 Off-Campus</td>
<td>Instruction</td>
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<tr>
<td>FINAL</td>
<td>07/01/2008</td>
<td>06/30/2010</td>
<td>32.20 On-Campus</td>
<td>Other Spon Act</td>
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<td>PRED.</td>
<td>07/01/2010</td>
<td>06/30/2011</td>
<td>32.20 On-Campus</td>
<td>Other Spon Act</td>
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<td>07/01/2011</td>
<td>06/30/2015</td>
<td>36.00 On-Campus</td>
<td>Other Spon Act</td>
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<tr>
<td>FINAL</td>
<td>07/01/2008</td>
<td>06/30/2010</td>
<td>18.80 Off-Campus</td>
<td>Other Spon Act</td>
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<td>07/01/2010</td>
<td>06/30/2011</td>
<td>18.80 Off-Campus</td>
<td>Other Spon Act</td>
</tr>
</tbody>
</table>
**BASE**

Modified total direct costs, consisting of all salaries and wages, fringe benefits, materials, supplies, services, travel and subgrants and subcontracts up to the first $25,000 of each subgrant or subcontract (regardless of the period covered by the subgrant or subcontract). Modified total direct costs shall exclude equipment, capital expenditures, charges for patient care, student tuition remission, rental costs of off-site facilities, scholarships, and fellowships as well as the portion of each subgrant and subcontract in excess of $25,000.
ORGANIZATION: The Johns Hopkins University
AGREEMENT DATE: 6/13/2013

SECTION I: FRINGE BENEFIT RATES**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>RATE (%) LOCATION</th>
<th>APPLICABLE TO</th>
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</thead>
<tbody>
<tr>
<td>FIXED</td>
<td>7/1/2013</td>
<td>6/30/2014</td>
<td>34.50 All</td>
<td>Faculty/Staff Employees</td>
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<tr>
<td>FIXED</td>
<td>7/1/2013</td>
<td>6/30/2014</td>
<td>8.00 All</td>
<td>Temporary, LTD, Casual</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2013</td>
<td>6/30/2014</td>
<td>8.00 All</td>
<td>Post Grad Students</td>
</tr>
<tr>
<td>PROV.</td>
<td>7/1/2014</td>
<td>Until amended</td>
<td></td>
<td>Use same rates and conditions as those cited for fiscal year ending June 30, 2014.</td>
</tr>
</tbody>
</table>

** DESCRIPTION OF FRINGE BENEFITS RATE BASE:
Salaries and wages excluding vacation pay.
SECTION II: SPECIAL REMARKS

TREATMENT OF FRINGE BENEFITS:
The fringe benefits are charged using the rate(s) listed in the Fringe Benefits Section of this Agreement. The fringe benefits included in the rate(s) are listed below.

OFF-CAMPUS DEFINITION: For all activities performed in facilities not owned by the institution and to which rent is directly allocated to the project(s), the off-campus rate will apply. Actual costs will be apportioned between on-campus and off-campus components. Each portion will bear the appropriate rate.

TREATMENT OF PAID ABSENCES:
Holiday, sick leave pay and other paid absences except for vacation pay are included in salaries and wages and are claimed on grants, contracts and other agreements as part of the normal cost of salaries and wages. Separate claims for the costs of these paid absences are not made.

Fringe benefits include: FICA, Unemployment & Workers' Compensation, Retirement, Health/Life/Dental/Disability Insurance, Tuition Remission, TIAA/CREF, Staff Development, Benefits Administration, Special Programs, Accrued Vacation and Continuing Professional Education.

The Off-Campus indirect cost rate is not applicable to the direct costs of GRCR nursing and dietary personnel. The direct costs associated with these nursing and dietary personnel are considered patient care costs and the related indirect costs are reimbursed through the JOHNS HOPKINS HOSPITAL'S patient care Rate Agreement.

The rate agreement does not cover the Applied Physical LAB (APL) of the JOHNS HOPKINS UNIVERSITY. Rates for APL are established separately.

Equipment means an article of nonexpendable tangible personal property having a useful life of more than one year, and an acquisition cost of $5,000 or more per unit.

NOTE: This agreement updated the fringe benefit rates section only.
SECTION III: GENERAL

A. LIMITATIONS:

The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given group, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: (1) only costs incurred by the organization were included in the facilities and administrative cost pools as finally accepted; such costs are legal obligations of the organization and are allowable under the governing cost principles; (2) the same costs that have been treated as facilities and administrative costs are not claimed as direct costs; (3) similar types of costs have been accorded equivalent accounting treatment; and (4) the information provided by the organization which was used to establish the rates is not later found to be materially incorrect or incomplete by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

B. ACCOUNTING CHANGES:

This Agreement is based on the accounting system purported by the organization to be in effect during the Agreement period. Changes to the method of accounting for costs which affect the amount of reimbursement resulting from the use of this Agreement require prior approval of the authorized representative of the cognizant agency. Such changes include, but are not limited to, changes in the charging of a particular type of cost from facilities and administrative to direct. Failure to obtain approval may result in cost disallowances.

C. FIXED RATES:

If a fixed rate is in this Agreement, it is based on an estimate of the costs for the period covered by the rate. When the actual costs for this period are determined, an adjustment will be made to a rate of a future year to compensate for the difference between the costs used to establish the fixed rate and actual costs.

D. USE BY OTHER FEDERAL AGENCIES:

The rates in this Agreement were approved in accordance with the authority in Office of Management and Budget Circular A-21, and should be applied to grants, contracts and other agreements covered by this Circular, subject to any limitations in A above. The organization may provide copies of the Agreement to other Federal Agencies to give them early notification of the Agreement.

E. OTHER:

If any Federal contract, grant or other agreement is replenishing facilities and administrative costs by a means other than the approved rate(s) in this Agreement, the organization should (1) credit such costs to the affected program, and (2) apply the approved rate(s) to the appropriate base to identify the proper amount of facilities and administrative costs allocable to these programs.

BY THE INSTITUTION:
The Johns Hopkins University

[Signature]

Brenda Over

CONTROLLER

7/10/13

ON BEHALF OF THE FEDERAL GOVERNMENT:

DEPARTMENT OF HEALTH AND HUMAN SERVICES

[Signature]

Darryl W. Mayes

(AGENCY)

(SIGNATURE)

DEPUTY DIRECTOR, DIVISION OF COST ALLOCATION

(TITLE)

6/13/13

HAYES 0447

THE REPRESENTATIVE:

Steven Bauk

Telephone: (301) 492-4855