COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN #: 1231352685A1

INSTITUTION:
University of Pennsylvania
3451 Walnut St., P221 Franklin Bldg.
Philadelphia PA 19104-6205

DATE: July 14, 2009

FILING REF.: The preceding Agreement was dated May 15, 2009

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: FACILITIES AND ADMINISTRATIVE COST RATES*

RATE TYPES: FIXED FINAL PROV.(PROVISIONAL) PRED.(PREDETERMINED)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>RATE(%)</th>
<th>LOCATIONS</th>
<th>APPLICABLE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRED.</td>
<td>07/01/08</td>
<td>06/30/09</td>
<td>57.5</td>
<td>On-Campus</td>
<td>Research</td>
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<td>06/30/09</td>
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<td>06/30/10</td>
<td>59.0</td>
<td>On-Campus</td>
<td>Research</td>
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<td>06/30/12</td>
<td>60.0</td>
<td>Off-Campus</td>
<td>Research</td>
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<td>26.0</td>
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<td>Other Spon. Prog.</td>
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<td>06/30/12</td>
<td>26.0</td>
<td>Off-Campus</td>
<td>Other Spon. Prog.</td>
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<td>FRED.</td>
<td>07/01/08</td>
<td>06/30/12</td>
<td>57.0</td>
<td>On-Campus</td>
<td>Instruction</td>
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<tr>
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<td>06/30/12</td>
<td>26.0</td>
<td>Off-Campus</td>
<td>Instruction</td>
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<tr>
<td>PROV.</td>
<td>07/01/12</td>
<td>UNTIL AMENDED</td>
<td></td>
<td></td>
<td>Use same rates and conditions as those cited for fiscal year ending June 30, 2012.</td>
</tr>
</tbody>
</table>

*BASE:
Total direct costs excluding capital expenditures (buildings, individual items of equipment; alterations and renovations), that portion of each subaward in excess of $25,000; hospitalization and other fees associated with patient care whether the services are obtained from an owned, related or third party hospital or other medical facility; rental/maintenance of off-site activities; student tuition remission and student support costs (e.g., student aid, stipends, dependency allowances, scholarships, fellowships).

(1)
INSTITUTION:  
University of Pennsylvania  

AGREEMENT DATE: July 14, 2009  

SECTION I: FRINGE BENEFITS RATES**  

<table>
<thead>
<tr>
<th>TYPE</th>
<th>EFFECTIVE PERIOD</th>
<th>RATE(%)</th>
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<td>Full-Time Employees</td>
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<td>07/01/09 - 06/30/10</td>
<td>9.7</td>
<td>All</td>
<td>Part-Time Employees</td>
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<tr>
<td>PROV.</td>
<td>07/01/10 until amended</td>
<td></td>
<td></td>
<td>Use same rates and conditions as those for fiscal year ending June 30, 2010.</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF FRINGE BENEFITS RATE BASE:  
Salaries and wages.  

(2)
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.

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

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.

1. The rates in the Agreement have been negotiated to reflect the administrative cap provisions of the revisions to OMB Circular A-21 published by the Office of Management and Budget on May 8, 1996. With the exception of Department of Defense contracts, no rate affecting the institution's fiscal periods beginning on or after October 1, 1991 contains total administrative cost components in excess of that 26 percent cap.

2. 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.

3. Fringe Benefits include:

   Full-Time Employees - PICA, Retirement, Disability Insurance, Life Insurance, Tuition Remission for employees, Sabbatical Leave, PAS No. 106 (post-retirement benefits other than pensions), TIAA/CREF benefits and counseling, Pennflex, Union Legal Funds, Worker's Compensation, Unemployment Insurance and Health Insurance.

   Part-Time Employees - PICA, TIAA/CREF, Unemployment and Workers' Compensation.

Post Doctoral Fellows are not included in the full-time benefit rate. Post Doctoral Fellows are eligible for a separate health insurance plan which is a direct charge. They are also covered by PICA and Workers' Compensation.

This agreement amends the one dated May 15, 2009 to reflect changes made to the fringe benefit rate based on updated information.
INSTITUTION:
University of Pennsylvania

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SECTION III: GENERAL

A. LIMITATIONS:
The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given grant, 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 its 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) Simiar types of costs have been accorded consistent accounting treatment; and (4) The information provided by the organization which was used to establish the rates is not later found to be materially incomplete or inaccurate 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(s) 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 Circular, 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. OTHERS:
If any Federal contract, grant or other agreement is reimbursing 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 programs, 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:

University of Pennsylvania

[Signature]

[Name]

Vice President Finance and Treasurer

[Title]

[Date]

ON BEHALF OF THE FEDERAL GOVERNMENT:

DEPARTMENT OF HEALTH AND HUMAN SERVICES

[Signature]

[Name]

Director, Division of Cost Allocation

[Title]

[Date]

IRS REPRESENTATIVE, Louis Martillotti

Telephone: (212) 264-2069