Overview of the Report of the Governor’s Commission on Health Science, Education, and Training

23 October 2002
Report of the Governor’s Commission on Health Science, Education, and Training

Purpose of the Commission’s Study

- Stated purpose concerning medical education:
  - “to enhance the quality of education, to increase their overall competitiveness as institutions of health care learning, and to foster healthy synergy amongst these institutions”
Report of the Governor’s Commission on Health Science, Education, and Training

Purpose of the Commission’s Study

- Initial focus on UMDNJ and relationships/alliances among 8 schools in three locations
- Efforts revealed that in order to reach full potential of research and clinical developments in medical science, needed to reach beyond alliances within the health sciences university
Report of the Governor’s Commission on Health Science, Education, and Training

Objective

- Enhance quality and stature of geographically-based research universities
Report of the Governor’s Commission on Health Science, Education, and Training

Current configuration

<table>
<thead>
<tr>
<th>Univ</th>
<th>Newark</th>
<th>NB</th>
<th>Camden</th>
</tr>
</thead>
<tbody>
<tr>
<td>UMDNJ</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Rutgers</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>NJIT</td>
<td>X</td>
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Current configuration NSF S&E expenditures public ranking

<table>
<thead>
<tr>
<th>Univ</th>
<th>Rank</th>
<th>% Exp on Res</th>
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</thead>
<tbody>
<tr>
<td>UMDNJ</td>
<td>53</td>
<td>25%</td>
</tr>
<tr>
<td>Rutgers</td>
<td>30</td>
<td>22%</td>
</tr>
<tr>
<td>NJIT</td>
<td>99</td>
<td>29%</td>
</tr>
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</table>
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Proposed Configuration

North-NJIT+RUN+UMD

Central-RUNB+UMD

South-RUC+UMD
UNJN

21,500 students; 12,800 UG, 8,700 G

“NJIT is an important partner due to increasing interactions between fields of biology, engineering and computer science.”
Report of the Governor’s Commission on Health Science, Education, and Training

Harold Varmus, MD, winner of the Nobel Prize in Physiology or Medicine, 1989:

“Biology is rapidly becoming a science that demands more intense mathematical and physical analysis than biologists have been accustomed to, and such analysis will be required to understand the working of cells”
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Proposed configuration NSF S&E expenditures public ranking @33% exp on research

<table>
<thead>
<tr>
<th>Univ</th>
<th>Rank</th>
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</thead>
<tbody>
<tr>
<td>UNJ-Central</td>
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<tr>
<td>UNJ-North</td>
<td>32</td>
</tr>
</tbody>
</table>
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Proposed Structure

Board of Regents
Chancellor
Three largely autonomous universities forming UNJ system
Three university presidents: UNJN, UNJC, UNJS reporting to Chancellor
NJIT approach:

- Be an important part of the process
- Respond only to factual information
- Stake out territory in which we can live
- Stand firm to maintain culture of NJIT
- Stand firm to maintain vision of technological university of expanded scope
The approach is thoughtful and so worth consideration.

it is the existence and presence of NJIT that could help forge emerging synergies among the applied physical, mathematical, computing, and engineering sciences with the biological and biomedical sciences and medicine here in Newark.
Further discussion is warranted as to whether the Commission’s proposed structure best fits the needs of Newark and New Jersey. The right technological vision, leadership -- primarily one established in science and technology -- and structure would have the potential to preserve and strengthen public higher education and its human resource assets in Newark.
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Proposed Implementation Process

UNJ Review and Implementation Task Force
Governing Committee
University Committees (three)
Issue Working Groups (two-University and System)
Advisory Groups
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Implementation Timetable

Implementation Plan: 12 months

Implementation: several years
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Cons/Concerns

- Uncertainty during implementation
- Potential loss of identity
- Potential loss of culture
- Hinders fund raising
- Collaborations already exist; what’s the point?
Pros

- Interdisciplinary efforts, research and education, enhanced
- Enhanced opportunities for interactions between physical and biological sciences
- Opportunity to develop cohesive residential campus