Programs of the OVPAA:
Towards a UP of the 21st Century

Taal Vista Lodge
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Erasmus of Rotterdam: Travelling Scholar

Desiderius Erasmus of Rotterdam (1466 – 1536)

1494: Paris, France
1498: Oxford, UK
1500: Paris, France
1506: Turin, Italy (PhD or DD)
1510: Cambridge, UK
1515: Basel, Switzerland
1517: Louvain, Belgium
1521: Basel, Switzerland
A Young Filipino Scholar: 2004 - present

Aaron Villaraza of Metro Manila (1979 – present)

2004: Manchester, UK
2008: Washington DC, USA
2010: Quezon City, Philippines
2011: Salt Lake City, USA
2012: Oxford, UK

Invited to return to UP in 2009

Current paradigms:

• Greater availability of scholarships or bursaries
• Enhanced mobility and communication
• Obtain PhD as soon as possible (~25 yrs old)
• Proceed to postdoc/s for skill set expansion
• Begin career as an academic or a staff scientist
Local Landscape: UPD-IC 2010 - 2014

Graduate students are a principal resource for the generation of new knowledge.

Graduates: 1999 - 2014 (15 yr)

<table>
<thead>
<tr>
<th>Institute</th>
<th>PhD</th>
<th>MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC</td>
<td>13</td>
<td>92</td>
</tr>
<tr>
<td>NIP</td>
<td>58</td>
<td>210</td>
</tr>
</tbody>
</table>

Average per yr over 15-yr period

<table>
<thead>
<tr>
<th>Institute</th>
<th>PhD</th>
<th>MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC</td>
<td>0.87</td>
<td>6.13</td>
</tr>
<tr>
<td>NIP</td>
<td>3.87</td>
<td>14.0</td>
</tr>
</tbody>
</table>

Data based on CS Dean End of Term Report, JMP Balmaceda, Jan 2015
IC Publications: 2009 - 2014

Impact Factor (IF)

<table>
<thead>
<tr>
<th>PhD faculty</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publications/PhD = n</td>
<td>24</td>
<td>29</td>
<td>29</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

| n | 0.25 | 0.45 | 0.62 | 0.29 | 0.28 | 0.53 |

Impact Factor (IF)

- Total
- 0 to 2
- 3 to 8
- > 8

$n_{ave} = 0.45$
i.e., < 1 paper every 2 years

IF data based on Scopus prepared by R Magbitang and O Belleza
Some considerations for institutional dev’t

• relationship between number of enrollees, graduates, and publication rate
• quantity? $n_{ave} = 1$ or greater? need for funding support and incentives
• quality? $IF_{>8} > IF_{3-8} > IF_{0-2}$ need for international collaboration
• or BOTH

Some personal considerations

• knowledge and skill set novel yet translatable
• infrastructure National Science Complex
  Institute of Chemistry (2 buildings)
• instrumentation mass spectrometers
  NMR spectrometers
• mechanisms and speed of procurement

DOING RESEARCH inseparable from INSTITUTION-BUILDING
Training and More Training plus Networking...

2004-08  **Doctoral training**: *synthesis of inorganic complexes as bioprobes* (EPSRC, Manchester)


2008-10 **Postdoc training**: *monoclonal antibody modification for cancer diagnosis* (US NIH-NCI)


2011 **Re-tooling**: *drug discovery from marine mollusks and symbiotic bacteria* (PMS-ICBG, Utah)


2012-13 **Jumpstart**: *total synthesis of a natural product and analogues* (PMS-ICBG, IFS, Oxford)


2014 **New Project**: *marine snail-derived neuroactive peptide synthesis* (Pharmaseas 2 DOST)

2015 **New Project**: *drug discovery / high throughput screening of antimalarials* (PCARI CHED)
Inter- and Multidisciplinary Research

Key Ideas
- wide skill set
- wide interests
- project to program

Institution-Building
- improved grad rates
- increased research output
- enhanced research impact

Networking: Local and International
- communicate at an int’l level
- start relationships
- maintain relationships

Re-tooling and Further Training
- short postdoc
- training of students
- mobility and youth
PhD and MS Fellowship Program

The program supports tuition, salary, and teacher substitute, and gives access to a start-up grant of up to P25 M (from the EIDR program) upon completion of the PhD. For foreign study, roundtrip airfare and living allowance would also be covered.

Foreign-trained PhD Faculty Recruitment (Balik PhD) Program

Host unit will provide the appropriate faculty rank based on the recruit's accomplishments. An outright relocation package of P0.5M and start-up grant of up to P25 M are given.

- Slots for CU's in their respective niches for each of the above programs are:
  - UPD: ~15 slots
  - UPLB: ~10 slots
  - UFM: ~10 slots
  - UPCeb: ~5 slots
  - UPB: ~5 slots
  - UPOU: ~5 slots
  - UPV: ~7 slots
  - UPMin: ~7 slots

Artists-, Scientists- and Academics-in-Residence Program

The program is open to world-renowned Filipino or foreign writers, musicians, artists, scientists, engineers or academics based abroad who wish to spend six months to a year "in residence" in a host unit. For graduate mentoring, keynote lectures and publication or creative output. Support is given for air travel and full living allowance.

Visiting Professor Program

Experts in the academy, government or industry may apply to undertake team teaching, graduate mentoring, seminars, lectures or research collaboration with a host unit in UP. Possible durations of the stint are two to three weeks, two to three months, or six months to a year. The program covers round trip airfare and living allowance to be augmented by the host's project.

Externships and Workshops with Industry

Workshops to explore linkages with industry especially for UP's mature technologies, as well as externships in SME or industry for a few weeks to six months are supported. Assistance includes transportation, daily allowance and, if applicable, visa fees, airfare, and accommodation.

Short-term Foreign Postdoctoral Stint or Training Program

The program is open to academic staff who wish to pursue a research project or creative work, to train or update on curriculum and pedagogy or to produce a publication. Support covers round trip airfare and living allowance for a two to four-month stay in a foreign university.

Honor Graduate Faculty Fast Track Program

Summa cum laude UP graduates recruited to teach would have the rank of Instructor 5; magna cum laude graduates, Instructor 4, and cum laude graduates, Instructor 3. They will enjoy close mentoring by senior faculty and access to the ECGWRG grant (for Instructor 4 and above).

OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS

E-mail: ovpaa@up.edu.ph, Call: (632) 981-8500 local 2528 or 8722

http://oil.up.edu.ph/
# A Proposed Strategy for Institutional Dev’t

<table>
<thead>
<tr>
<th>Activity</th>
<th>Program/s</th>
</tr>
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<tbody>
<tr>
<td>Step 1: <strong>Recruit</strong></td>
<td>BalikPhD (OVPAA)</td>
</tr>
<tr>
<td>Step 2: <strong>Build Local Capacity</strong></td>
<td>EIDR, ECWRG, etc (OVPAA), PhDIA (OVCRD), DOST, NRCP, PCARI, IFS</td>
</tr>
</tbody>
</table>
| Step 3: **Organize Int’l Meetings** | Hosting Meetings (OIL)  
Visiting Professor Program (OVPAA) |
| Step 4: **Build Relationships and Collaborations** | COOPERATE (OIL)  
Short-term postdoc (OVPAA)  
USAID STRIDE (US), Newton Fund (UK), etc. |
| Step 5: **Publicise the fruits of your labour** | Research Dissemination Grant (OVPAA and OIL)  
International Publication Award (OVPAA) |
| Step 6: **Graduate students**    | Merit Promotion and Tenure                                                |
The Balik PhD Roadshow

United Kingdom  24 April 2015
Friday 3:00-5:00 pm
Philippine Embassy London
10 Suffolk Street
London SW1Y 4HG
United Kingdom

Australia  June 2015
Japan  September 2015
United States  November 2015

applicants in mind: alvillaraza@up.edu.ph
A Proposed Strategy for Institutional Dev’t

Total MOUs (as of Dec 2011) = 280
A Proposed Strategy for Institutional Dev’t

67% Asia
14% North America
14% Europe
4% Australia and Oceania
1% Middle East and Africa

25 (9%) are in top 100 (QS Rankings 2014)
36% Asia
36% North America
16% Australia and Oceania
12% Europe

MOUs with other top institutions
Student/Researcher exchange
Dual Degree Programs (MS/PhD)

Example: January 2014
MOU Dual PhD Chemistry
UPD IC with U Houston (2 students)
For More Detailed Information:

Office of the Vice President for Academic Affairs
http://ovpaa.up.edu.ph/

Office of International Linkages
http://oil.up.edu.ph/

BPhD applicants in mind: alvillaraza@up.edu.ph

Many thanks!