

การนำเสนอรายงานความก้าวหน้าเพื่อ ติดตามความก้าวหน้าของนักวิจัยรุ่นใหม่

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Mahidol University
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Timeline of progress report

- ▶ TRF/NRCT - new scholar/researcher (MRG/TRG)
 - ▶ 6 and 18 month - short report (5-10 pages?)
 - ▶ 12 month - long report
 - ▶ 24 month - complete report
- ▶ Other TRF/NRCT grants



Report contents: 6/18-month report

- ▶ Progress report (5-10 pages)
- ▶ Financial report
- ▶ Mentor's comment form



Report contents: 12/24-month report

- ▶ Report
 - ▶ Executive summary
 - ▶ Complete results
 - ▶ Materials and Methods
 - ▶ Conclusion
 - ▶ Outputs (publications, presentations)
 - ▶ (reprint, manuscript)
- ▶ Financial report
- ▶ ฟอรัมสรุปการใช้ประโยชน์



Tips (and Tricks)

- ▶ Start writing early – write as you perform experiments/analyses
- ▶ Meet and discuss with your mentor(s) regularly
- ▶ Contact your mentor(s) well in advance (for mentor's report)
- ▶ ?
- ▶



Common problems...

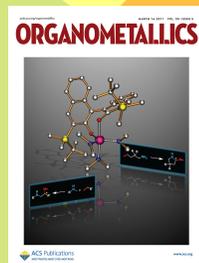
- ▶ Insufficient funds
- ▶ Fund transfer delay
- ▶ The need to change or amend proposed experiments/objectives
- ▶ ?



PhD
(Less experience)

Freshy (young researcher)

Mentor (professors,
researchers,
colleagues,
reviewers
(International)



Problems/objective
(Clear, but “short”) →
Basic/Deep Research
based on
previous studies
(experiences)

Team (e.g.
student,
Colleagues,
yourself?)

3-5 years (Young-Mid career)

Extended and Developed work (similar/modified problem, comfort zone) → Accumulated Knowledge
- Several publications, but still moderate quality

5 years-present (Mid-Senior career)

Challenged, New Discovery, Frontier Research →
Clearer problem/picture
(High risk (big dream)/High impact, but still the same area/expertise/field) → Top-tier, Nature Index



Professorship

(High impact factor/paper/h-index/ownership)

4.0 The Nature Index journals

The current 12-month window on natureindex.com includes data from primary research articles from the following science journals:

- ACS Nano (1321 articles)
- Advanced Functional Materials (1026 articles)
- Advanced Materials (1018 articles)
- American Journal of Human Genetics (169 articles)
- Analytical Chemistry (1849 articles)
- Angewandte Chemie International Edition (2411 articles)
- Applied Physics Letters (2090 articles)
- Astronomy & Astrophysics (93 articles)
- Cancer Cell (150 articles)
- Cancer Research (458 articles)
- Cell (479 articles)
- Cell Host & Microbe (161 articles)
- Cell Metabolism (160 articles)
- Cell Stem Cell (138 articles)
- Chemical Communications (2960 articles)
- Chemical Science (1078 articles)
- Current Biology (434 articles)
- Developmental Cell (204 articles)
- Earth and Planetary Science Letters (553 articles)
- Ecology Letters (139 articles)
- Environmental Science and Technology (1357 articles)
- European Physical Journal C (958 articles)
- Genes & Development (112 articles)
- Genome Research (174 articles)
- Geochimica et Cosmochimica Acta (529 articles)
- Geology (264 articles)
- Geophysical Research Letters (1323 articles)
- Immunity (184 articles)
- Inorganic Chemistry (1664 articles)
- Journal of Biological Chemistry (1610 articles)
- Journal of Cell Biology (263 articles)
- Journal of Clinical Investigation (297 articles)
- Journal of Experimental Medicine (157 articles)
- Journal of Geophysical Research: Atmospheres (760 articles)
- Journal of Geophysical Research: Solid Earth (599 articles)
- Journal of High Energy Physics (1953 articles)
- Journal of Neuroscience (694 articles)
- Journal of the American Chemical Society (2373 articles)
- Macromolecules (990 articles)
- Molecular Cell (386 articles)
- Molecular Psychiatry (88 articles)
- Monthly Notices of the Royal Astronomical Society: Letters (234 articles)
- Nano Letters (1072 articles)
- Nature (869 articles)
- Nature Biotechnology (101 articles)
- Nature Cell Biology (100 articles)
- Nature Chemical Biology (125 articles)
- Nature Chemistry (136 articles)
- Nature Climate Change (118 articles)
- Nature Communications (5184 articles)
- Nature Genetics (179 articles)
- Nature Geoscience (140 articles)
- Nature Immunology (119 articles)
- Nature Materials (144 articles)
- Nature Medicine (202 articles)
- Nature Methods (131 articles)
- Nature Nanotechnology (145 articles)
- Nature Neuroscience (153 articles)
- Nature Photonics (100 articles)
- Nature Physics (180 articles)
- Nature Structural & Molecular Biology (102 articles)
- Neuron (382 articles)
- Organic Letters (1836 articles)
- PLOS Biology (416 articles)
- PLOS Genetics (567 articles)
- Physical Review A (202 articles)
- Physical Review B (799 articles)
- Physical Review D (133 articles)
- Physical Review Letters (2654 articles)
- Physical Review X (279 articles)
- Proceedings of the National Academy of Sciences of the United States of America (3231 articles)
- Proceedings of the Royal Society B (544 articles)
- Science (692 articles)
- Science Advances (918 articles)
- Science Translational Medicine (208 articles)
- The Astrophysical Journal Letters (532 articles)
- The EMBO Journal (211 articles)
- The ISME Journal: Multidisciplinary Journal of Microbial Ecology (255 articles)
- The Journal of Physical Chemistry Letters (1012 articles)
- The Plant Cell (193 articles)
- Water Research (944 articles)
- eLife (1351 articles)

Subject	AC	FC
 Chemistry	30	15.73
 Life Sciences	58	9.04
 Physical Sciences	135	15.72
 Earth & Environmental Sciences	14	3.91

Top 10 institutions from Thailand

Institution	AC	FC
1. Chulalongkorn University (CU)	118	11.27
2. Vidyasirimedhi Institute of Science and Technology (VISTEC)	15	6.69
3. Mahidol University (MU)	50	5.63
4. Suranaree University of Technology (SUT)	26	2.87
5. Mahidol Oxford Tropical Medicine Research Unit (MORU)	17	2.72
6. Kasetsart University	14	1.83
7. Naresuan University	9	1.51
8. Khon Kaen University	10	1.18
9. Asian Institute of Technology	4	1.14
10. Chulabhorn Graduate Institute (CGI)	2	0.86

Subject	AC	FC
 Chemistry	11	2.21
 Physical Sciences	42	9.02
 Life Sciences	16	1.08
 Earth & Environmental Sciences	8	1.83

Top 10 institutions from Vietnam

Institution	AC	FC
1. Vietnam Academy of Science and Technology (VAST)	34	3.06
2. Hanoi University of Science (VNU)	21	1.86
3. Vietnam National University - Ho Chi Minh City (VNU-HCM)	5	1.35
4. International Centre for Interdisciplinary Science and Education (ICISE)	4	1.17
5. Hanoi University of Science and Technology (HUST)	1	1
6. Ton Duc Thang University (TDTU)	5	0.89
7. Duy Tan University (DTU)	7	0.78
8. Center for Molecular and Nanoarchitecture (MANAR)	1	0.50
9. Vietnam National University, Hanoi (VNU)	2	0.45
10. Oxford University Clinical Research Unit (OUCRU)	4	0.37

Subject	AC	FC
 Life Sciences	32	2.54
 Physical Sciences	114	1.13
 Chemistry	13	3.17
 Earth & Environmental Sciences	15	2.26

Top 10 institutions from Malaysia

Institution	AC	FC
1. University of Malaya (UM)	120	1.67
2. University of Technology, Malaysia (UTM)	5	1.61
3. University Putra Malaysia (UPM)	3	0.65
4. Sarawak Tropical Peat Research Institute	1	0.64
5. National University of Malaysia (UKM)	6	0.55
6. Malaysian Institute of Physics (MIP)	19	0.36
7. Sabah University of Malaysia (UMS)	3	0.35
8. Mara University of Technology (UITM)	3	0.30
9. Petrolia Nasional Berhad (PETRONAS)	1	0.20
10. University Sains Malaysia (USM)	3	0.18

Subject	AC	FC
 Earth & Environmental Sciences	105	43.89
 Life Sciences	319	114.92
 Chemistry	494	303.18
 Physical Sciences	505	263.91

Top 10 institutions from Singapore

Institution	AC	FC
1. National University of Singapore (NUS)	667	243.45
2. Nanyang Technological University (NTU)	584	234.62
3. Agency for Science, Technology and Research (A*STAR)	290	70.05
4. Singapore University of Technology and Design (SUTD)	40	16.12
5. Duke-National University of Singapore (Duke-NUS)	66	10.91
6. Innovative Centre for Flexible Devices (iFlex)	14	8.62
7. Singapore-MIT Alliance for Research and Technology (SMART)	21	5.20
8. The Photonics Institute (TPI)	26	5.06
9. Temasek Life Sciences Laboratory (TLL)	15	4.83
10. Singapore Health Services Pte. Ltd. (SingHealth)	32	4.28

Any question?



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