



# University of the Philippines

Groundbreaking of the Philippine Genome Center Building

April 10, 2014

Launch of the Core Facility for Bioinformatics

April 14, 2014

SCIENTIFIC SYMPOSIUM

Genomics: The Path Towards a Better Understanding  
of Health, Disease, Evolution and Biodiversity

April 14, 2014





# Groundbreaking of the Philippine Genome Center Building

April 10, 2014 | 8:00 AM, University of the Philippines Diliman, Quezon City  
(behind National Institute of Molecular Biology and Biotechnology)

## National Anthem

## Welcome Remarks

Carmencita D. Padilla, MD, MAHPS  
*Executive Director, Philippine Genome Center*

## Message

On behalf of PGC Partners  
Hon. Mario G. Montejo  
*Secretary, Department of Science and Technology*

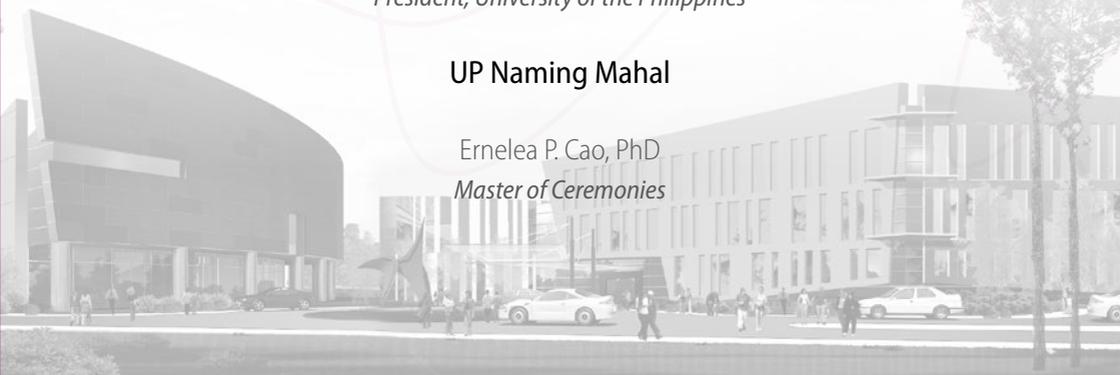
## Laying of Time Capsule

## Message

Hon. Alfredo E. Pascual  
*President, University of the Philippines*

## UP Naming Mahal

Ernelea P. Cao, PhD  
*Master of Ceremonies*



# Launch of the Core Facility for Bioinformatics

April 14, 2014, National Institute of Physics Auditorium, University of the Philippines, Diliman, Quezon City

8:00 - 8:10

## Welcome Remarks

Carmencita D. Padilla, MD, MAHPS  
*Executive Director, PGC*

8:10 - 8:20

## Message

Hon. Alfredo E. Pascual  
*President, University of the Philippines*

8:20 - 8:35

## Ceremonial "BLAST" Search

(Basic Local Alignment and Search Tool)

Hon. Mario G. Montejo  
*Secretary, Department of Science and Technology*

8:35 - 8:45

## Message

Delfin Jay M. Sabido, PhD  
*R&D Executive*  
*Systems & Technology Group, IBM Philippines*

8:45 - 8:55

## Closing Remarks

Arturo O. Lluisma, PhD  
*Director, PGC - Core Facility for Bioinformatics*



Located at the National Computer Center (NCC) Building, University of the Philippines, C.P. Garcia Avenue, Diliman, Quezon City

SCIENTIFIC SYMPOSIUM  
Genomics: The Path Towards A Better Understanding of  
Health, Disease, Evolution And Biodiversity

April 14, 2014, National Institute of Physics Auditorium, University of the Philippines, Diliman, Quezon City

9:30

**Welcome Remarks**

Carmencita D Padilla MD, MAHPS  
*Executive Director, Philippine Genome Center*

**Opening Remarks**

Gisela P. Concepcion, PhD  
*Vice-President for Academic Affairs, University of the Philippines*

10:00 - 10:30 The Role of University Research in Nation Building

Lap Chee Tsui, PhD  
*President, University of Hong Kong  
& Chair, International Scientific Advisory Board  
Philippine Genome Center*

10:30 - 11:00 Bioengineered Organs-on-Chips for Disease Modeling  
and Drug Development

Danilo A. Tagle, PhD  
*Associate Director for Special Initiatives  
National Center for Advancing Translational Sciences (NCATS)  
National Institutes of Health - US  
& Chair, Scientific Advisory Committee  
PGC Program on Health*

11:00 - 11:30 Comprehensive Analysis of Transcripts using Single Cell Sequencing

Sumio Sugano, MD, PhD  
*Professor, Department of Medical Genome Sciences  
Graduate School of Frontier Sciences, University of Tokyo  
& Member, International Scientific Advisory Board  
Philippine Genome Center*

11:30 - 12:00 Modeling Cancer as a Transcriptional Landscape

Mark A. Ragan, PhD  
*Professor & Head, Genomics and Computational Biology  
Institute for Molecular Bioscience  
Director, ARC-Centre of Excellence for Bioinformatics  
The University of Queensland  
& Chair, Scientific Advisory Committee  
PGC Core Facility for Bioinformatics*

12:00 - 1:15

**Lunch**

(hosted by Core Facility for Bioinformatics)

1:15 - 1:45

Archaic Genomes and Human Evolution

Mark Stoneking, PhD  
*Professor, Department of Evolutionary Genetics  
Max Planck Institute for Evolutionary Anthropology  
& Chair, Science Advisory Committee  
PGC Program on Forensics and Ethnicity*

1:45 - 2:00

Field-based Rapid Diagnostic Kit for the Early Diagnosis of Dengue Infection

Raul V. Destura, MD  
*Associate Professor of Medicine*  
*National Institutes of Health, U. P. Manila*  
*& Program Committee Member*  
*PGC Program on Health*

2:00 - 2:15

A Web-based Interactive Genome Library for Surveillance, Detection, Characterization and Drug-Resistance Monitoring of Influenza Virus Infection in the Philippines

Edsel Maurice T. Salvaña, MD  
*Acting Director, National Institute of Molecular Biology and Biotechnology, National Institutes of Health, U. P. Manila*  
*& Program Committee Member*  
*PGC Program on Health*

2:15-2:30

*Rafflesia lagascae* (Rafflesiaceae): Mitochondrial Genome and "Lost" Chloroplast Genome

Gisela P. Concepcion, PhD  
*Vice-President for Academic Affairs, University of the Philippines*  
*& Program Director, PGC Program on Biodiversity for Drug Discovery and Bio-energy*

2:30 -2:45

The Diversity of Conopeptides in Conus Venoms: Further Insights from Next-Generation Sequencing of *C. tribblei* Venom Duct Transcriptomes

Arturo O. Lluisma, PhD

*Research Associate Professor, Marine Science Institute  
& Program Director, PGC Core Facility for Bioinformatics*

2:45

Closing and Awarding of Certificates

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## PROGRAM MEETINGS

April 14, 2014, National Institute of Molecular Biology and Biotechnology, University of the Philippines Diliman, Quezon City

3:30 - 5:30

Meetings with Program Directors and Scientific Advisory Committee Chairs



The Philippine Genome Center is a multidisciplinary institution that combines basic and applied research for the development of health diagnostics, therapeutics, DNA forensics and preventive products, and improved crop, aquaculture and animal varieties.



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Genomics for a Better Philippines