

SEA COAST 2019

South-East Asian Crystallographic Overview And Systematic Training

@ KMUTT Bangkok, Thailand

January 21-26, 2019

We are pleased to announce the first **SEA COAST** workshop in the Southeast Asian region. The course is organized to provide instruction in fundamental principles of protein X-ray Crystallography to graduate students, postdoctoral researchers, and more established young scientists who have a background and/or are interested in protein X-ray crystallography.

The workshop will cover an overview of macromolecular crystallography and structure solution process including **crystallization, data collection theory, processing, phasing, refinement, validation, PDB deposition of the structural data, molecular graphics and bioinformatics.**

Intensive training in modern crystallographic software suites, such as **CCP4, PHENIX, SHELX, Global Phasing software** and many more individual programs will be provided by the software developers.

The students who have unresolved crystallographic problems, will have the opportunity to work one-on-one with the world class experts!

INTERNATIONAL SPEAKERS

Terese Bergfors

*Uppsala University,
Sweden*



Ronan Keegan

CCP4, Harwell, UK



Eugene Krissinel

CCP4, Harwell, UK



Andrey Lebedev

CCP4, Harwell, UK



Andrew Leslie

*Medical Research Council
Laboratory of Molecular
Biology, Cambridge, UK*



Bernhard Lohkamp

*Karolinska Institutet,
Sweden*



Garib Murshudov

*Medical Research Council
Laboratory of Molecular
Biology, Cambridge, UK*



Ruslan Sanishvili

*Advanced Photon Source,
Argonne National Laboratory,
Argonne, USA*



Tom Terwilliger

*Los Alamos National
Laboratory, USA*



Andrea Thorn

*Rudolf Virchow Center for
Experimental Biomedicine,
University of Wuerzburg, Germany*



Clemens Vornrhein

*Global Phasing Ltd.,
Cambridge, UK*



David Waterman

CCP4, Harwell, UK



LOCAL SPEAKERS

Nuttawan Pramanpol

*Synchrotron Light Research
Institute, Thailand*



Leela Ruckthong

*King Mongkut's University of
Technology Thonburi, Thailand*



Marasri Ruengjitchachawalya

*King Mongkut's University of
Technology Thonburi, Thailand*



For more details of the workshop, please visit the SEA COAST website:

<http://science.kmutt.ac.th/kmuttccp4>

The application is now open until **November 30, 2018.**

30 applicants will be selected for participation in the workshop. For questions, please contact

Dr. Leela Ruckthong at leela.ruc@mail.kmutt.ac.th or

Dr. Ruslan Sanishvili at rsanishvili@anl.gov

