

SEA COAST 2024

South-East Asian Crystallographic Overview And Systematic Training

29 Jan - 7 Feb, 2024 at KMUTT, Bangkok, Thailand

SEA COAST 2024

- Learn concepts of Macromolecular X-ray Crystallography & all practical steps of crystal structure solution process
- Meet & work one-on-one with the world's leading experts
- Bring your own crystallographic data (optional) to work with the guidance of experts
- Opportunities to collect data from your own crystals at Diamond Light Source

COURSE LECTURES:

- Data collection theory and practice
- Data Processing
- Experimental phasing and Molecular Replacement
- Refinement
- Model building and model quality
- Molecular Graphics
- Structure validation and PDB Deposition
- Bioinformatics
- Cryo EM
- Neutron Crystallography

FEATURED SOFTWARE:

- | | | |
|----------|----------|------------------|
| • CCP4 | • Phenix | • Global Phasing |
| • Shelx | • XDS | • DIALS |
| • MOSFLM | • Phaser | • ARP/wARP |
| • Coot | • PISA | • etc. |

ELIGIBLE APPLICANTS:

Graduate Students, Postdoctoral Fellows, Early Career Academic Faculty, Young National Research Staff and Industrial Researchers

For more details of the workshop, please visit the SEA COAST website: <https://seacoast.kmutt.ac.th>

Applications are accepted until December 15, 2023. The 30 selected applicants will be responsible for a registration fee for participation in the SEA COAST.

**If you wish to collect data at the Diamond Light Source, contact Dr. Ruslan Sanishvili right away to learn important details.

For administrative and logistic questions, please contact Dr. Leela Ruckthong (leela.ruc@mail.kmutt.ac.th) or Dr. Ruslan Sanishvili (sannukri@gmail.com).

Confirmed Speakers



Iracema Caballero, Ph.D.
ICREA and Molecular Biology Institute of Barcelona, Spanish Research Council, Spain



Kay Diederichs, Ph.D.
Universität Konstanz, Germany



Dave Hall, Ph.D.
Diamond Light Source, UK



Ronan Keegan, Ph.D.
CCP4, UK



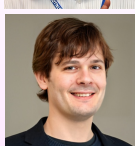
Andrey Lebedev, Ph.D.
CCP4, UK



Dorothee Liebschner, Ph.D.
Lawrence Berkeley National Laboratory, USA



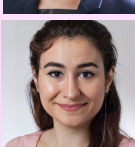
Garib Murshudov, Ph.D.
Medical Research council Laboratory for Molecular Biology, UK



James Parkhurst, Ph.D.
Diamond Light Source, UK



Marasri Ruengjit, Ph.D.
KMUTT, Thailand



Sofia Trampari, Ph.D.
Dectris, Switzerland



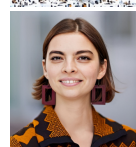
Clemens Vonrhein, Ph.D.
Global Phasing Ltd., UK



Terese Bergfors, Ph.D.
Uppsala University, Sweden



Grzegorz Chojnowski, Ph.D.
EMBL, Germany



Maria Fando, Ph.D.
CCP4, UK



Robbie Joosten, Ph.D.
NKI-AvL, Netherlands



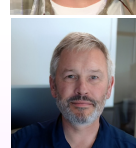
Eugene Krissinel, Ph.D.
CCP4, UK



Andrew Leslie, Ph.D.
Medical Research council Laboratory for Molecular Biology, UK



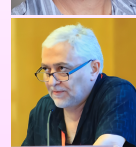
Bernhard Lohkamp, Ph.D.
Karolinska institutet, Sweden



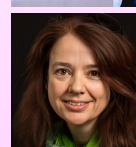
Dean Myles, Ph.D.
Oak Ridge National Laboratory, UK



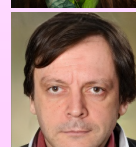
Randy Read, Ph.D.
Cambridge Institute for Medical Research, UK



Ruslan Sanishvili, Ph.D.
KMUTT, Thailand



Isabel Uson, Ph.D.
ICREA and Molecular Biology Institute of Barcelona, Spanish Research Council, Spain



Martyn Winn, Ph.D.
Science and Technology Facilities Council, UK

