### **Subscription with IMCA-CAT**

Achieve astonishing data acquisition rates at IMCA-CAT with the PILATUS 6M pixel array detector - one of the world's fastest and most productive X-ray detector systems for macromolecular crystallography.

The IMCA-CAT insertion device beamline is designed with the most advanced equipment and performs to the highest standards of reliability, efficiency, and throughput.

Automated sample mounting, high-speed precision sample positioning, and shutterless continuous-rotation data collection make IMCA-CAT an outstanding research environment for confidential and proprietary structural biology programs.



Partner with IMCA-CAT
a state-of -the-art synchrotron beamline for
macromolecular crystallography
Become an IMCA-CAT Subscriber

#### Location



www.imca.aps.anl.gov

Sector 17, Building 435A Advanced Photon Source

Argonne National Laboratory 9700 South Cass Avenue Argonne, IL 60439



### **Contact Information**

Director:

Lisa J. Keefe, Ph.D.

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### **Subscriptions**



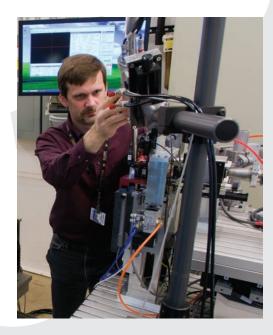
High-Throughput Macromolecular Crystallography Data Collection For Structural Biology

www.imca.aps.anl.gov

### **Benefits of Subscription**

- Guaranteed frequent, rapid access data collection during APS operating cycles.
- 3-minute data sets at a state-of-the-art insertion device beamline.
- Overnight ship your crystals directly to IMCA-CAT.
- Collect your data without traveling by using effective remote-control software.
- Download your processed data over a fast, encrypted connection.
- Minimum subscription is only 4 hours.

Prospective subscribers are invited for a one-time complimentary visit to experience data collection at IMCA-CAT.





### **IMCA-CAT Beamline 17-ID**

The premier data collection facility for structural biology

## PILATUS 6M Detector fast, productive pixel array X-ray detector

# ACTOR Robot reliable, rapid mounting of samples

On-Axis Visualization Camera parallax-free viewing of samples

#### **Beamline X-Ray Optics**

fully focused, selectable mini beam apertures, tunable energy, high resolution monochromator, positional feedback for beam stability

### Computing

>60 TB data storage (secure and confidential), data processing capabilities

### **Techniques**

macromolecular crystallography MAD, SAD, single energy, X-ray fluorescence

# Rapid Access Modes on-site, remote

#### Details for 2012 - 2014\*

- Rapid access within one week of request for beam time during APS operations.
- Security for confidential and proprietary data collection and processing.
- Collect your own data via on-site or remote access. Third-party, hands-on data collection is available at additional cost.
- Experienced and highly qualified staff provide consultation and support.
- Minimum time for single access is a 4-hour beam time assignment.
- \$1000 / hour for annual agreements of 24 hours or more.
- \$1500 / hour for annual agreements of less than 24 hours; minimum agreement is 4 hours.
- APS proprietary charges not included.
- Subscription agreements are with the Hauptman-Woodward Institute, the manager of IMCA-CAT.

For additional information, contact: IMCA-CAT Director, Lisa J. Keefe, Ph.D. 630.252.0520 or imca-contact@anl.gov

