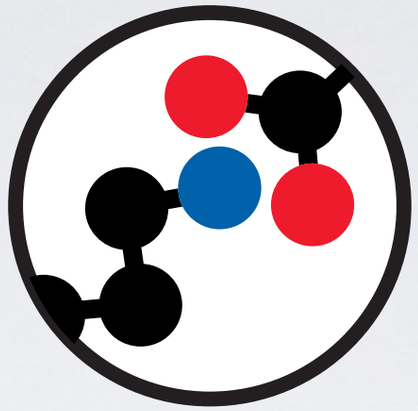


IMCA-CAT

Getting to Know You

abbvie

Bristol-Myers Squibb

MERCK
Be well

NOVARTIS

Pfizer

IMCA

High-Quality

High-Throughput

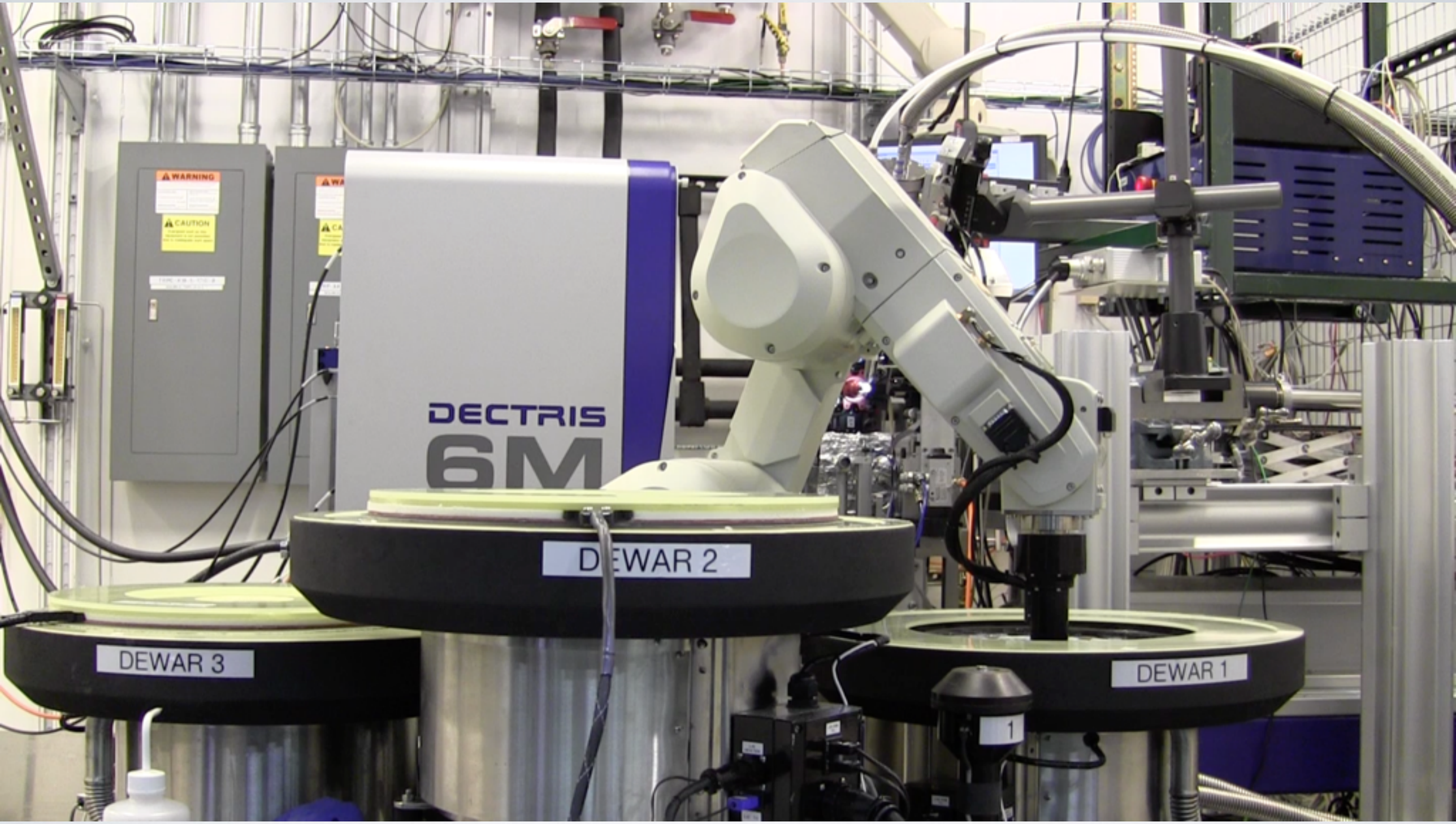
Arctic Ocean
Arctic Ocean
Arctic Ocean
Greenland
Iceland
Finland
Sweden
Norway
Russia
Russia
United Kingdom
Poland
Germany
Ukraine
France
Italy
Spain
Kazakhstan
Mongolia
China
Japan
South Korea
Turkey
Iraq
Iran
Afghanistan
Pakistan
India
Thailand
Saudi Arabia
Canada
United States
Mexico
North Pacific Ocean
North Atlantic Ocean
Venezuela
Colombia
Peru
Brazil
Bolivia
Chile
Argentina
Algeria
Libya
Egypt
Mali
Niger
Chad
Sudan
Nigeria
Ethiopia
DR Congo
Kenya
Tanzania
Angola
Namibia
Botswana
South Africa
Madagascar
Indonesia
Papua New Guinea
Australia
New Zealand
Indian Ocean
Indian Ocean
South Pacific Ocean
South Atlantic Ocean
Southern Ocean
Southern Ocean

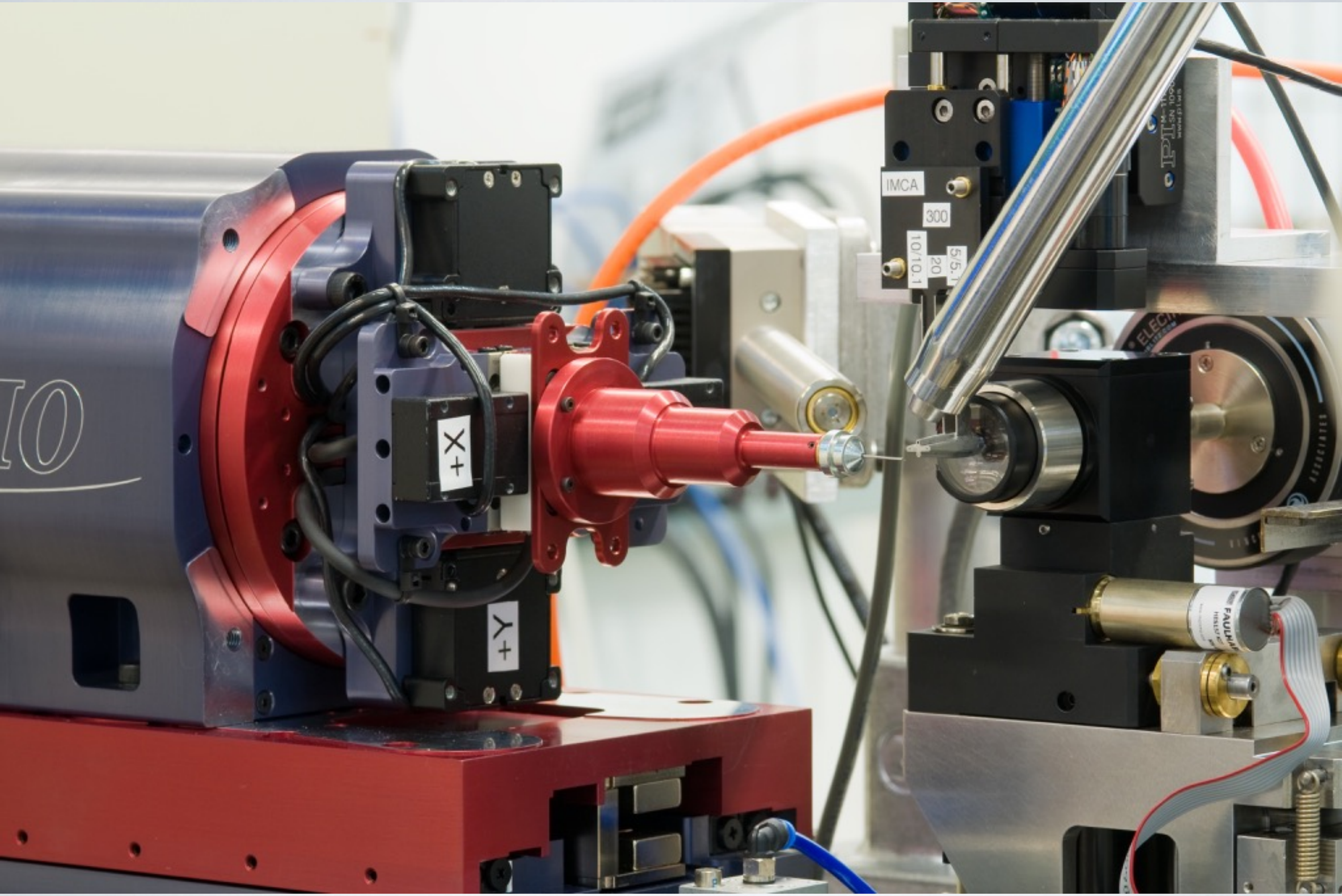
IMCA-CAT

Members (IMCA)

Subscribers (Pharma)

Academia


WARNING
CAUTION
DECTRIS
6M
DEWAR 2
DEWAR 3
DEWAR 1
1


IMCA
300
10/10.1
20
+X
+Y

Small-crystal

LCP

SAD

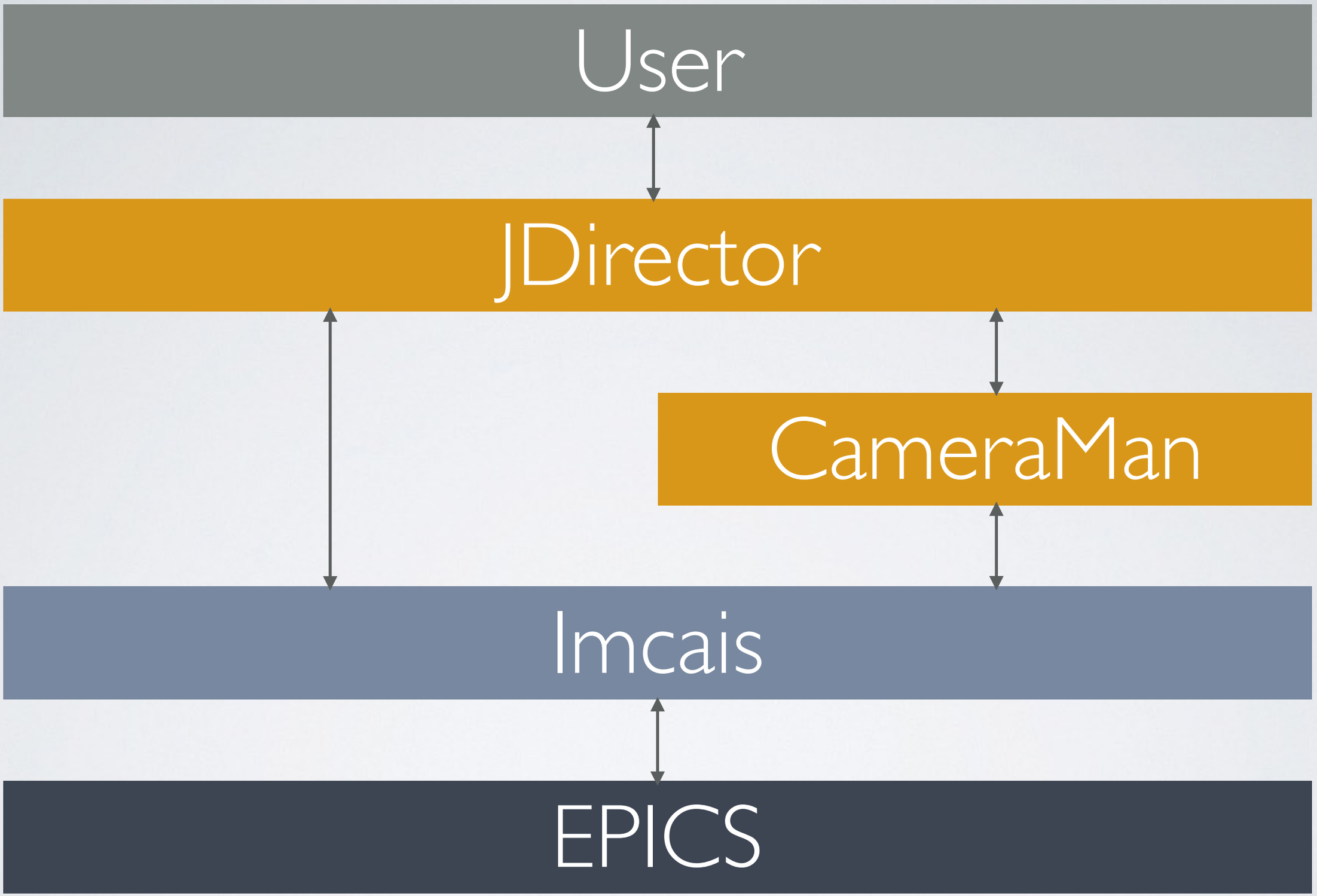
MAD

Routine high-throughput

On-Site

Remote

Mail-In (Members)


User
JDirector
CameraMan
Imcais
EPICS

JDirector

File Edit Instrument Bug Report Tools Tasks Window I want to How do I? Help

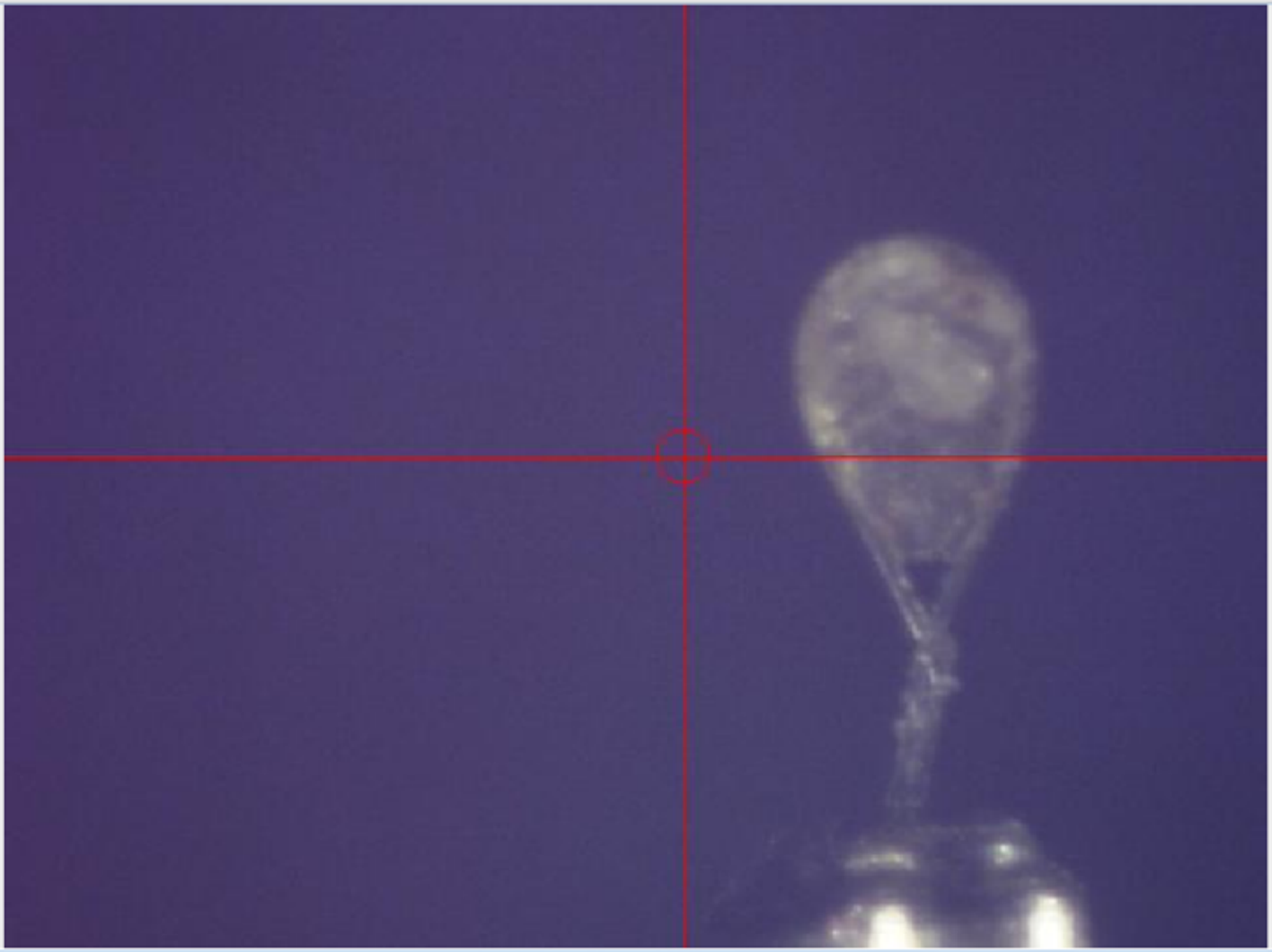
Working Directory: /data/jlmuir Browse...

Automatic **Manual** Collection Monitor Processing Monitor Image Viewer Summary

Crystal View (A) Instrument Control Robot Control Messages Image Collection

Refresh Auto Center Manual Center Diffraction Center Clear Marks Phi: 0.000 – 90.0 +

Zoom: 2.0 Backlight: In Out Aperture: Retract Show vector



JDirector

File Edit Instrument Bug Report Tools Tasks Window I want to How do I? Help

Working Directory: /data/jlmuir/test Browse...

Automatic **Manual** Collection Monitor Processing Monitor Image Viewer Summary

Messages Image Collection Instrument Control Crystal View (A) Robot Control

Enter scan parameters

Load Scans... Add copy Remove

Scan 1

Image width: 0.25 deg
Image step: 0.25 deg
Start angle: 0.0 deg
End angle: 0.25 deg
Number of images: 1
Start number: 101 - 101
Exposure time: 0.25 sec

Scan along vector
Vector start (X, Y, Z): µm Use Current Position
Vector end (X, Y, Z): µm Use Current Position
Vector length: µm
Number of points: 2
Scan in inverse wedge mode
Wedge width: 10.00 deg

Detector 2θ: 0 deg
Detector distance: 250.0 mm

Wavelength: 1.0000000 Å
Transmission: 5.8 %
Aperture: 300 µm

Scan template: Working directory Image_????.img
Expansion: /data/jlmuir/test/Image_????.img

Status	Image width (°)	Image step (°)	Start angle (°)	End angle (°)	Number of images	Start number	Expose time (sec)	φ (°)	Z (mm)	2θ (°)	Distance (mm)
⚠	0.25	0.25	0.0	0.25	1	101	0.25	----	0	0	250.0

Stop after image Load scans... Save scans... Collect

JDirector

File Edit Instrument Bug Report Tools Tasks Window I want to How do I? Help

Working Directory: /data/jlmuir/test Browse...

Automatic | Manual | Collection Monitor | Processing Monitor | Image Viewer | Summary

Messages | Image Collection State | Robot Control | Crystal View (A)

Job Control | Sample | one-image.rcp - Edit Recipe

Start Stop Stop After Sam... Dismount At E...

Jobs

New Open

Name	Type	Status	Directory	Robot Used
Job10	Recipe (with Robot Control)		/data/jlmuir/test/Job10	✔

Job Editor (Job10)

Samples | Follow-up Job

+ Add + Add Multiple...

Position	Status	Recipe	Stored Center	Diffraction Center	Aperture	Transmission (%)	Distance (mm)
1_1_01							
1_1_02							
1_1_03							
1_1_04							
1_1_05							
1_1_06							
1_1_07							
1_1_08							
1_1_09							
1_1_10							

Fly-scan diffraction centering

Vector data collection

Fully automated data collection: 18.5 datasets/hr

Aaproc

Puck tracking system (Coming soon!)

LCP

In-situ plates

Multiple crystals per loop

Continuous translation data collection

Diffraction centering

Automated data processing pipeline

Puck/sample/experiment tracking/management/results system

Community