

Resource Summary Report

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Purdue Biophysical Analysis Lab

RRID:SCR_012349

Type: Tool

Proper Citation

Purdue Biophysical Analysis Lab (RRID:SCR_012349)

Resource Information

URL: <http://www.scienceexchange.com/facilities/biophysical-analysis-lab-purdue>

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Description: The purpose of the Biophysical Analysis Lab (BAL) at the Bindley Biosciences Center is to provide complete biophysical analysis of macromolecules. In the lab, there are two analytical ultracentrifuges: Beckman-Coulter XLI and XLA, a Biacore 3000, an ITC, and a SEC-MALS platform. With these instruments we can determine kinetic parameters, stoichiometry of binding, size distribution, shape, oligomerization state and other biophysical measurements. Complementing these traditional biophysical methods, the BAL also provides mass spectrometric analyses at both the protein and peptide levels. The lab strives to establish long-term collaborations and deliver professional quality data that can be used for publications and grant proposals.

Abbreviations: BBC BAL, Purdue BAL

Synonyms: Bindley Biosciences Center Biophysical Analysis Lab, Purdue University Bindley Biosciences Center Biophysical Analysis Lab

Resource Type: access service resource, service resource, core facility

Keywords: analytical ultracentrifugation, fluorimetry, isothermal titration calorimetry, matrix-assisted laser desorption ionization time-of-flight tandem mass spectrometry, size-exclusion chromatography with multiangle light scattering detector, surface plasmon resonance

Resource Name: Purdue Biophysical Analysis Lab

Resource ID: SCR_012349

Alternate IDs: SciEx_11972

Record Creation Time: 20220129T080309+0000

Record Last Update: 20260729T044304+0000

Ratings and Alerts

No rating or validation information has been found for Purdue Biophysical Analysis Lab.

No alerts have been found for Purdue Biophysical Analysis Lab.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.