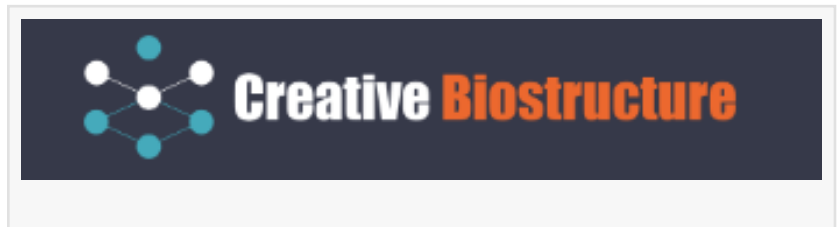


Creative Biostructure Enhanced Its Cryo-EM Services for Advanced Structural Analysis

SHIRLEY, NEW YORK, UNITED STATES,
November 29, 2023 /

EINPresswire.com/ -- Creative Biostructure, a pioneer in structural biology services, today announced the expansion of its Cryo-Electron

Microscopy ([Cryo-EM](#)) services to provide researchers with cutting-edge structural analysis capabilities. With this expansion, Creative Biostructure offers a comprehensive suite of Cryo-EM services, encompassing sample preparation, data collection, and structural determination, empowering scientists to unravel the intricate details of macromolecular complexes and gain deeper insights into biological processes.



Cryo-EM has emerged as a revolutionary technique in structural biology, enabling researchers to visualize macromolecular structures at unprecedented resolution. Creative Biostructure's Cryo-EM services leverage the company's expertise in sample preparation, advanced instrumentation, and computational analysis to deliver high-quality structural data that drives scientific breakthroughs.

Creative Biostructure's Cryo-EM services encompass a wide range of techniques, including:

[Single Particle Analysis \(SPA\)](#)

Creative Biostructure provides full and unbundled cryo-EM SPA services such as molecular cloning, protein expression, protein purification, cryo-EM SPA sample preparation, EM imaging, data processing and analysis.

[Cryo-Electron Tomography \(Cryo-ET\)](#)

Creative Biostructure provide molecular-resolution 3D images of unperturbed cellular landscapes, enabling in situ visualization of cellular molecular architecture.

[Electron Crystallography Services](#)

Creative Biostructure has developed a unique and powerful UniCrys™ Electron Crystallography platform for studying protein structures, especially membrane proteins at the atomic resolution and in an environment closely mimicking the native cell membranes.

Microcrystal Electron Diffraction (MicroED)

Creative Biostructure provides a new generation of MicroED platform to realize multiple sample loading, automatic crystal identification, and automatic collection of diffraction data.

A wide range of sample types, according to the information on Creative Biostructure's official website, can be observed by Cryo-EM, covering membrane proteins, antigen-antibody complexes, protein-ligand complexes, virus-like particles, viral particle, small proteins, DNA samples, ribosomes, filaments, bacteriophages, nanomaterials, and so on.

Creative Biostructure's Cryo-EM services are tailored to meet the specific needs of each research project. The company's team of experienced scientists collaborates closely with clients to design and execute customized Cryo-EM workflows, ensuring that the most appropriate techniques are employed to achieve the desired structural insights.

"At this special time, we would like to express our gratitude for your continued support and partnership. So, all products and services on Creative Biostructure can have a 15%-20% discount until the end of December 2023." Said Joanna, the chief marketing staff at Creative Biostructure. "We look forward to serving you and helping your research reach new heights."

Visit https://www.creative-biostructure.com/cryo-em-services_4.htm to find more about the Cryo-Electron Microscopy (Cryo-EM) Services available at Creative Biostructure.

Joanna Bowie
Creative Biostructure
[email us here](#)

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