

Keynote Lecture

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Resolution advances in cryo-EM enable application to drug discovery

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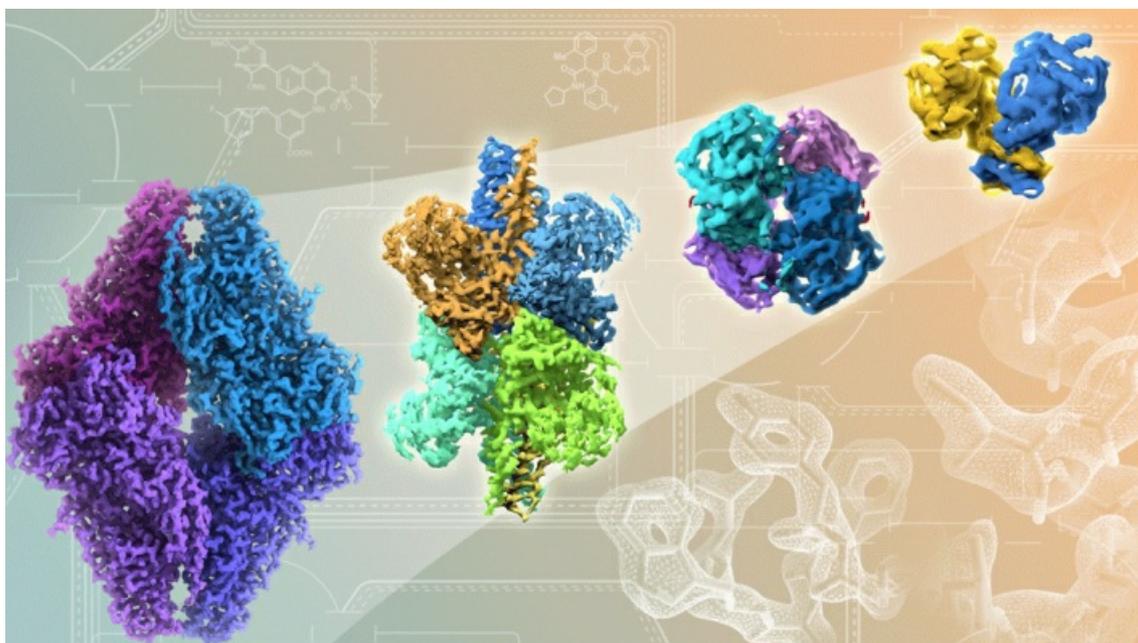
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Recent breakthroughs in the field of cryo-electron microscopy (cryo-EM) provide new prospects for determination of the structures of a variety of medically important macromolecular assemblies. The prospect that the determination of protein structures at atomic resolution will no longer be limited by size, or by the need for crystallization represents a significant and exciting horizon in structural biology. I will discuss the use of cryo-EM methods for the analysis of structures of medically relevant multi-protein complexes and viruses, and highlight how these advances can be applied to the development of improved therapeutic agents.

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