

Pictured Together for the First Time: a Chemokine and its Receptor

Researchers capture 3D structure of a molecular interaction that influences cancer, inflammation and HIV infection

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Researchers at University of California, San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences and the Bridge Institute at the University of Southern California report the first crystal structure of the cellular receptor CXCR4 bound to an immune signaling protein called a chemokine. The structure, published Jan. 22 in *Science*, answers longstanding questions about a molecular interaction that plays an important role in human development, immune responses, cancer metastasis and HIV infections.

[read more at]

<http://health.ucsd.edu/news/releases/Pages/2015-01-22-chemokine-pictured-wth-receptor.aspx>