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# Surface Plasmon Resonance

National Cancer Institute

## Source

National Cancer Institute. *Surface Plasmon Resonance*. NCI Thesaurus. Code C18117.

A quantum optical-electrical phenomena consisting of an alteration in light reflectance as a result of binding of molecules to a surface from which total internal reflection is occurring. Used to detect macromolecular interactions, SPR can be used as the basis for a sensor which is capable of sensitive and quantitative measurement of a broad spectrum of chemical and biological entities.