

US chemists design an injectable dye for imaging

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A group of chemists at the Washington State University in the US have created an injectable dye that illuminates molecules with near infrared light, making it easier to see what is going on deep inside the body.

The new dye will help medical researchers track the progression of a wide array of diseases, such as cancer.

Near infrared light passes right through the human body, making it almost invisible and making dyes that respond to this color of light perfect for bio-imaging.

The new Washington Red dye is a unique and inexpensive dye that can be potentially used in many areas.

The dye could be used to track the progression of a wide variety of diseases and to study specific biological processes, such as inflammation in the heart or the buildup of tumors cells, which could eventually lead to the design of new drugs and medical therapies.