Art Advancing Science

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: Filmmaking Leads to Deep Insights into Nanomedicine

: The nanoparticle-mediated drug delivery process within human body

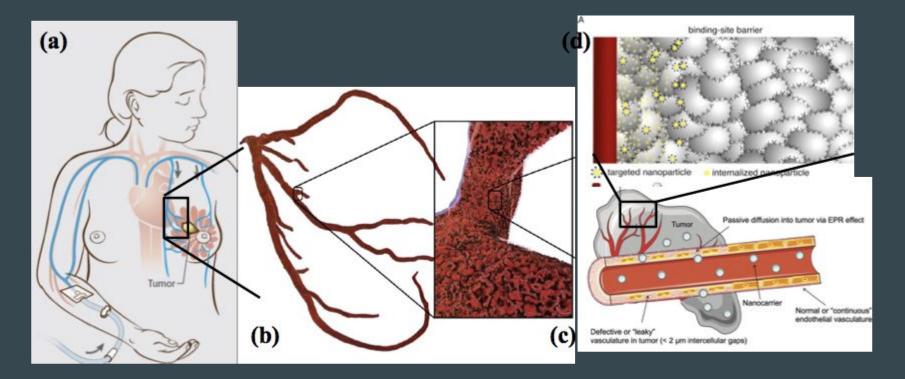
: The nanoparticle-mediated drug delivery process within human body

: The targeted drug delivery across multiple spatial scales

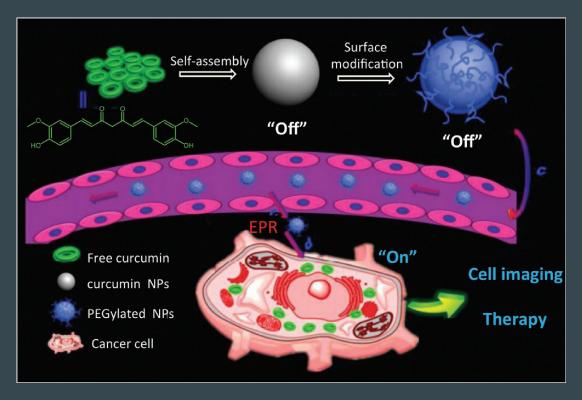
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- : The drug delivery vehicles circulate with blood flow in the human vasculature network

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- : The drug delivery vehicles circulate with blood flow in the human vasculature network
- : Deep insights into biological system at multiple scales

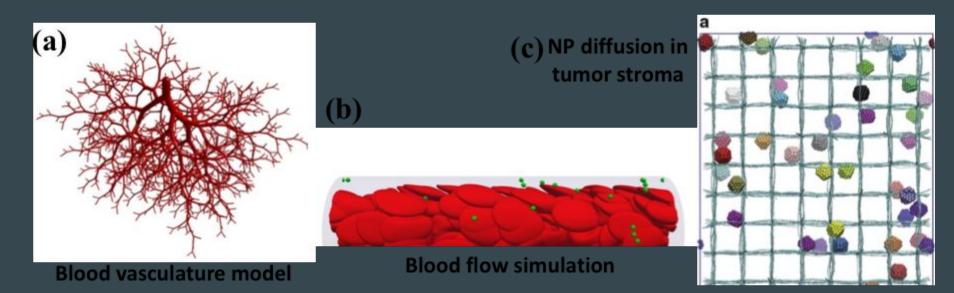
Mediated drug delivery process



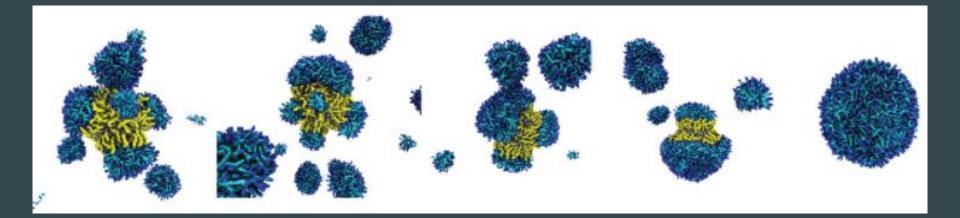
Mediated drug delivery process: Drug > Tumor



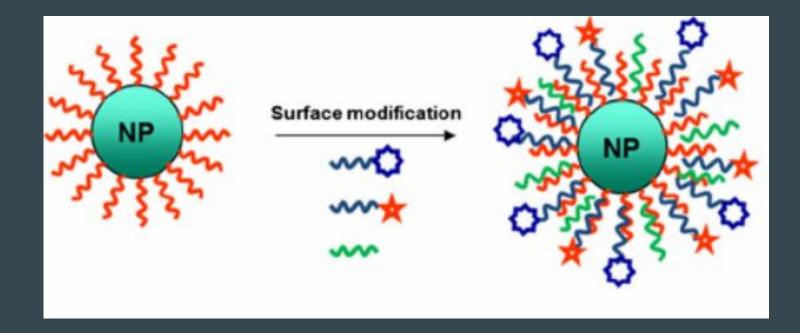
MultiScale Models



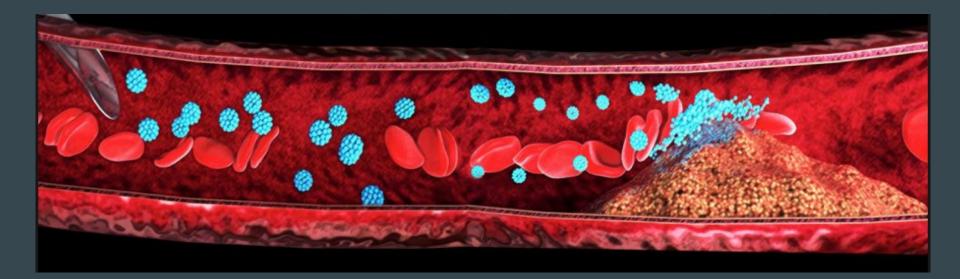
Self assembly of Nanoparitcle



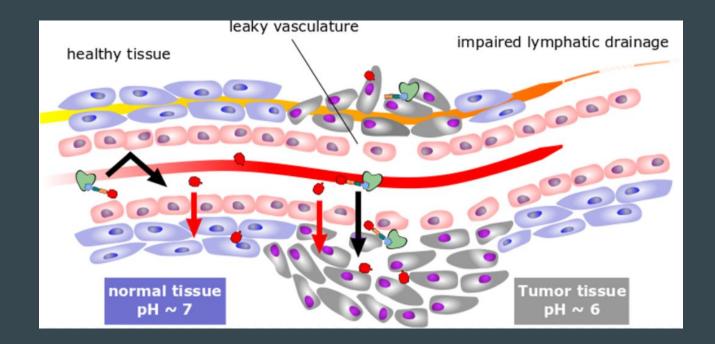
Surface Modification



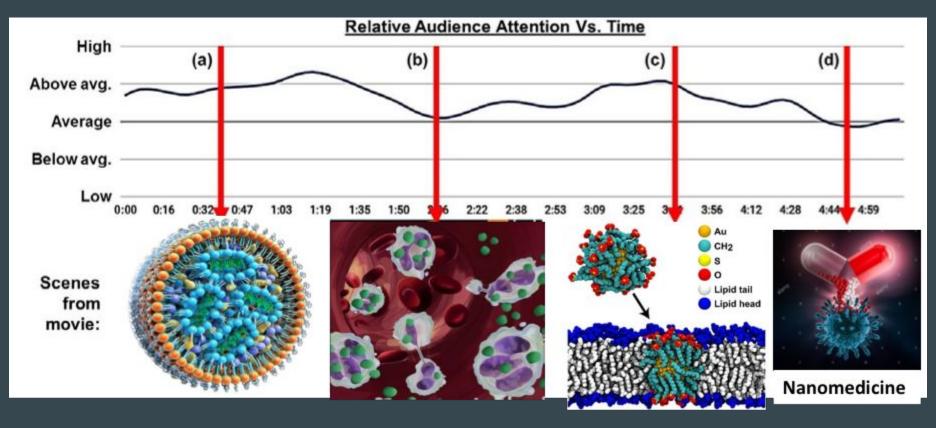
Circulation in blood flow



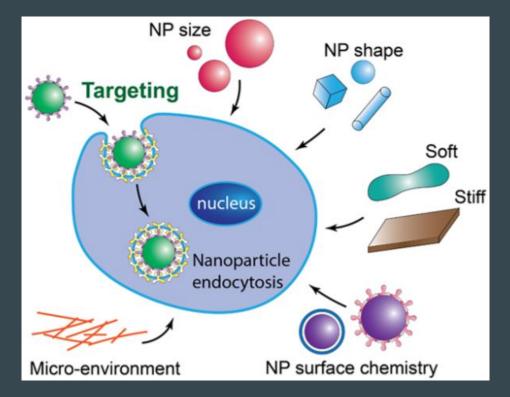
Penetrating into tumor microenvionment



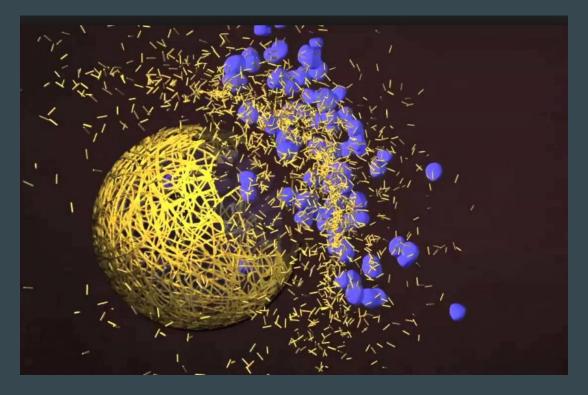
Relative Audience Attention VS Time



Endocytosis: after penetration



Drug Release



Innovation

: A new synergistics approach to integrate art and science

Innovation

: A new synergistics approach to integrate art and science

: Advanced scientific visual communication

Innovation

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: Advanced scientific visual communication

: An impactful educational film

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- : An factor articles

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- : Internal multidisciplinary collaboration

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- : Leadership in science research and scientific filmmaking

Thank you