

Biodistribution of TNF-alpha Coated Gold Nanoparticles in an In Vivo Model System

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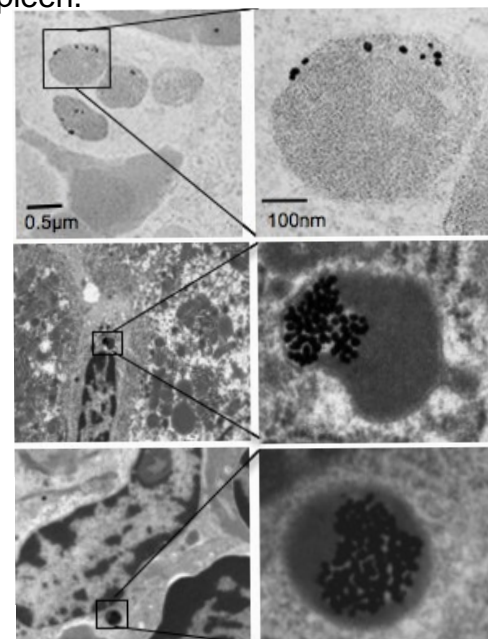
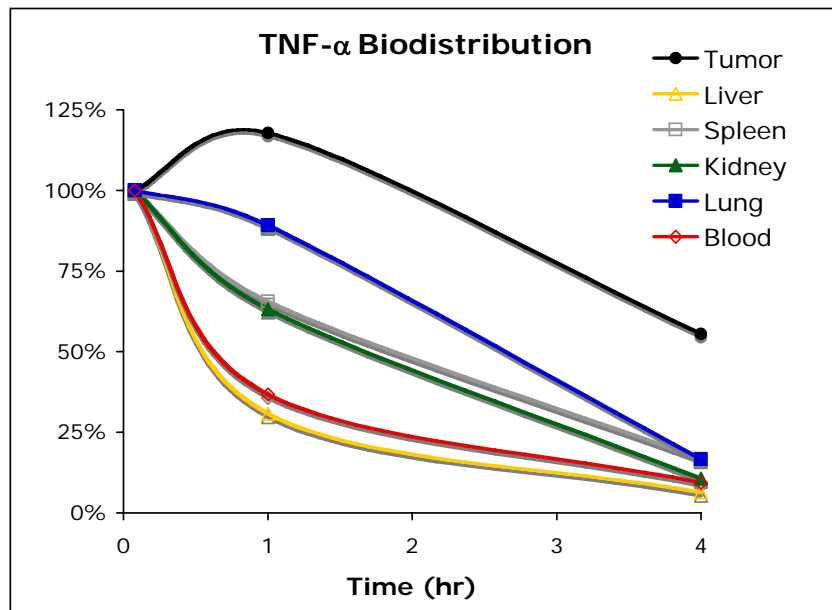
NNIN Facility utilized: Characterization Facility

- To investigate the biodistribution of the components (Au and TNF- α) of a nanodrug - CYT-6091 in an *in vivo* model system.

- Au (drug-carrier) was observed by Transmission Electron Microscopy.
- TNF- α (drug) was measured by ELISA.

MAJOR OBSERVATIONS

- The drug, TNF- α , was observed to accumulate selectively in the tumor tissue.
- The carrier, Au, was observed to be present as individual particles in tumor and as clusters in liver and spleen.



Publications

- Goel et al., 2008, ASME Bioengineering Conference.

Acknowledgement

- Cytimmune Sciences, Inc. for the supply of CYT-6091.