

Structure thesis:

Introduction: radiation problems clear problem statement Theoretical Background: biological effect radiation, language, why gold GNP?, Functionalisation (Clear statement of both goals; targeting + stabilization) Material And Methods: Synthesis - Synthesis GNP (chemical Protocol) \* Mechanism \* 3 different sizes - Functionalisation GNP \* Mechanism \* 4 different types PEG Characterization - Radius GNP: TEM \* Mechanism (short!!) \* analyzed with imageJ (short!!) - Hydrodynamic radius: DLS \* Terminology: What is the hydrodynamic radius \* Mechanism - Relative size GNP: UV-VIS \* Mechanism - surface potential: Zeta-potential \* What surface potential \* Mechanism Results And Discussion