

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