





















	APPLICATIONS
Hyperthermia	Therapeutic effect on several types of tumours
	Injection of superparamagnetic nanoparticles
	translocation of the particles to the tumour
	uptake of the nanoparticles by cancerous cells
	application of an external alternative magnet field
	 provides energy for the magnetic moments to change magnetisation direction
C C C C C C C C C C C C C C C C C C C	-> Superparamagnetic relaxation: dissipated energy = heat
124	 Cancerous cells have higher temperature senstivity than healthy cells
	 No danger of thrombosis, no remanent magnetisation!



