



## Nanoparticles For Potentiating Effects Of Radiation Therapy On Anti-Cancer Immunotherapy

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Inventors: Shaoqin Gong, Zachary Morris, Ying Zhang, Raghava Sriramaneni

### The Invention

The present technology from UW Madison inventors provides nanoparticles comprising a positively charged polymer (e.g., polylysine) electrostatically bound to iron oxide nanoparticles and CpG oligodeoxynucleotide. Further provided are compositions comprising same and methods of sensitizing tumor cells to radiation therapy, methods of stimulating antigen presenting cells, methods of enhancing stimulation of a type I interferon, and methods of treatment using said nanoparticles and compositions.

### Additional Information

#### For More Information About the Inventors

- [Shaoqin Gong](#)
- [Zachary Morris](#)

#### Tech Fields

- [Therapeutics & Vaccines : Oncology](#)

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