



## Mineral Coated Microparticles For Gene Delivery In Chronic Wound Therapy

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### The Invention

Disclosed are formulations for providing a therapeutic bioactive polypeptide to injured tissue. Formulations include mineral coated microparticles wherein a polynucleotide is adsorbed to the mineral layer. Other formulations include a carrier including mineral coated microparticles wherein mineral coated microparticles include a polynucleotide. Also disclosed are methods for sustained delivery of a bioactive polypeptide and methods for treating chronic wounds using a formulation for providing sustained delivery of the bioactive peptide.

### Additional Information

#### For More Information About the Inventors

- [William Murphy](#)

#### Tech Fields

- [Drug Delivery : Other drug delivery technologies](#)
- [Medical Devices : Other medical devices](#)

For current licensing status, please contact Rafael Diaz at [rdiaz@warf.org](mailto:rdiaz@warf.org) or 608-960-9847