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## New Polymeric Biomaterials

Tech ID: 18836 / UC Case 2004-635-0

### TECHNOLOGY DESCRIPTION

The invention is on new polymeric biomaterials. The new biomaterials were created by chemical synthesis with carbohydrates and amino acids as building blocks. The biopolymers have a specific alternating structure between carbohydrate and peptide units.

### APPLICATIONS

The new biomaterials can also be used for many other biomedical and biotechnology applications such as: implants, prosthesis, tissue engineering, drug delivery, sensors, substrates for enzyme-linked immunosorbent assays (ELISAS), materials for use in contact lenses, and implanted devices. One application of them is as gene delivery vectors for gene therapy.

### PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	9,238,697	01/19/2016	2004-635

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### OTHER INFORMATION

#### KEYWORDS

biomaterial, polymeric

#### CATEGORIZED AS

- » **Biotechnology**
  - » Other
- » **Materials & Chemicals**
  - » Biological
  - » Polymers
- » **Medical**
  - » Delivery Systems
  - » Devices
  - » Diagnostics
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  - » Therapeutics

» **Sensors &  
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