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Biosensors in arthritis

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Arthritis and not rheumatoid arthritis is a common disease of joints that cause joint pain and inflammation. Biosensor for detection of arthritis helps the patients. Biosensor includes detection of pyruvate using an electrode that counts the concentration in moles. The normal muscle gets fatigue if overused characterized by sour muscle. Here normal glycolytic pathway does not complete. The cartilage and the tendons that are also muscles are damaged due to old age wear and tear. The Biosensor includes a chip that detects the molecule using IR rays inside the electrode and returns the concentration of glycolytic pathway residues.

Biography

Uttara Bidwaikar has completed MSc in Biotechnology from Indian University. Research interests include Bioinformatics, Biomedical engineering.

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