

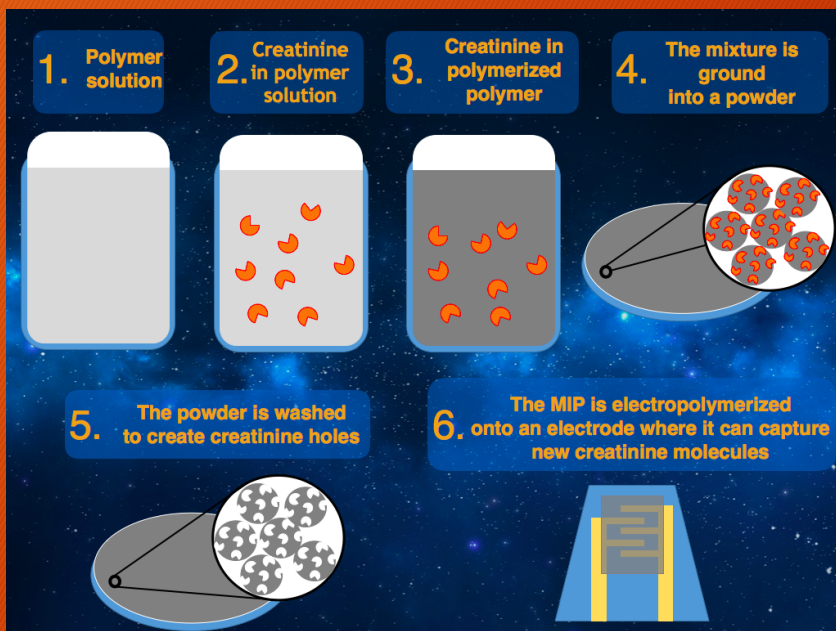
## Creative9

### Creatinine Sensing Biosensor

#### Translation Potential



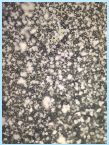
- **Cheap:** The chip is manufactured by simple chemical synthesis through the use of cheap reagents. Its non-disposable character makes it reusable by the use of an hydrophilic washing buffer.
- **Stable:** Compared to enzymes and antibodies, powder MIPs are able to maintain their functionality in a wider temperature range and for a longer period of time.
- **Innovative:** MIPs-based biosensors have been studied for the last years but don't have as much presence in the market as enzyme and antibody-based sensors. This makes it an attractive alternative to the current biosensors.
- **Scalable:** MIPs synthesis protocol is easy to bring from the lab to a mass-scale production.

#### Working Principles



## Affordable - Stable - Scalable - Efficient

#### Sustainability

- **Reusable:** Using a washing buffer for doing multiple assays. 
- **Glass surface:** Glass is well-known as a recyclable material, and thus using it as a sensor substrate makes it an environmentally friendly choice. 
- **MIPs:** MIPs durability gets translated into a lesser amount of organic waste, as these polymers can be used for one year without losing their properties. 

#### Building the sensor

