Keat Ghee Ong
Wireless sensorized implants

- Sensorized implants can monitor local environments at surgical sites
- Wide variety of implants, different sensor platforms are needed
  - Passive (battery-less)
  - Active (battery-powered)
Rodent Segmental Defect

Transceiver

To PC

Strain sensor

Untreated defect: Post-operative day 3

Axial Strain on Fixation Plate During Gait (6 meters/minute)

Time (seconds)

Axial Strain (μstrain)

Transceiver

Strain gauge

Slide prepared by:
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