**Components of RFID Technology**

**Example: Animal microchip implants**



**RFID reader**

**RFID microchip tag**



**Image sources**

*Dog*: 2013 Neal Ziring, Wikimedia Commons http://commons.wikimedia.org/wiki/File:White\_cute\_dog.jpg

*Animal control dog catcher cartoon character*: City of Gatesville, TX http://www.ci.gatesville.tx.us/index.asp?Type=B\_BASIC&SEC=%7B58DA565A-2CB9-4331-A932-2BF4DFCC114F%7D

*Veterinarian with dog*: Connecticut State Board of Veterinary Medicine http://www.ct.gov/dph/cwp/view.asp?a=3143&q=388948

*RFID reader/scanner*: 2010 Oscar111, Wikimedia Commons http://upload.wikimedia.org/wikipedia/commons/thumb/2/2c/Rfid-scanner.jpg/519px-Rfid-scanner.jpg

*X-ray showing microchip near a cat’s spine*: 2007 Joelmills, Wikimedia Commons http://commons.wikimedia.org/wiki/File:Feline\_identifying\_microchip.JPG

*Microchip/RFID tag and rice grain (for size comparison)*: 2009 Light Warrior, Wikimedia Commons http://commons.wikimedia.org/wiki/File:Microchip\_rfid\_rice.jpg