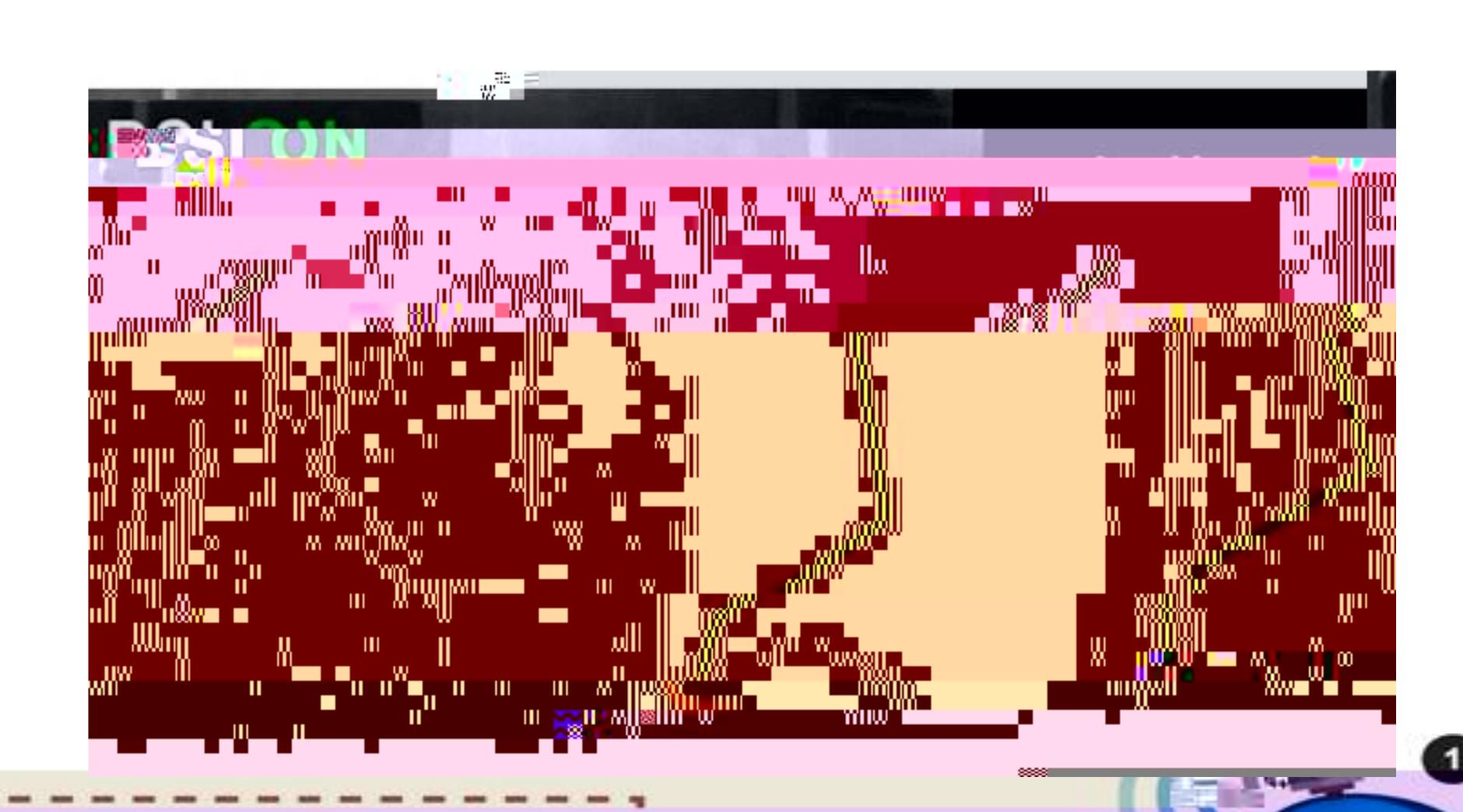
- 5.6 million (1.9% of the US population)
  people suffer some sort of paralysis
- Spinal lesions cause extreme cases of paralysis
- Humans have yet to solve all paralysis cases
- New technology aims to solve this problem
- Paralysis may comes in many forms and has many causes
- Grégoire Courtine worked with colleagues at (EPFL) Swiss Federal Institute to develop reverse paralysis technology

## Reversing Paralysis/Neural Bypass

- 1. The brain implant records motor cortex activity in the primate's brain
- 2. A Computer decodes the neural activity
- 3. The pulse generator reads the decoded activity and creates stimulation protocols
- 4.



SEMINAL CORD LESION

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