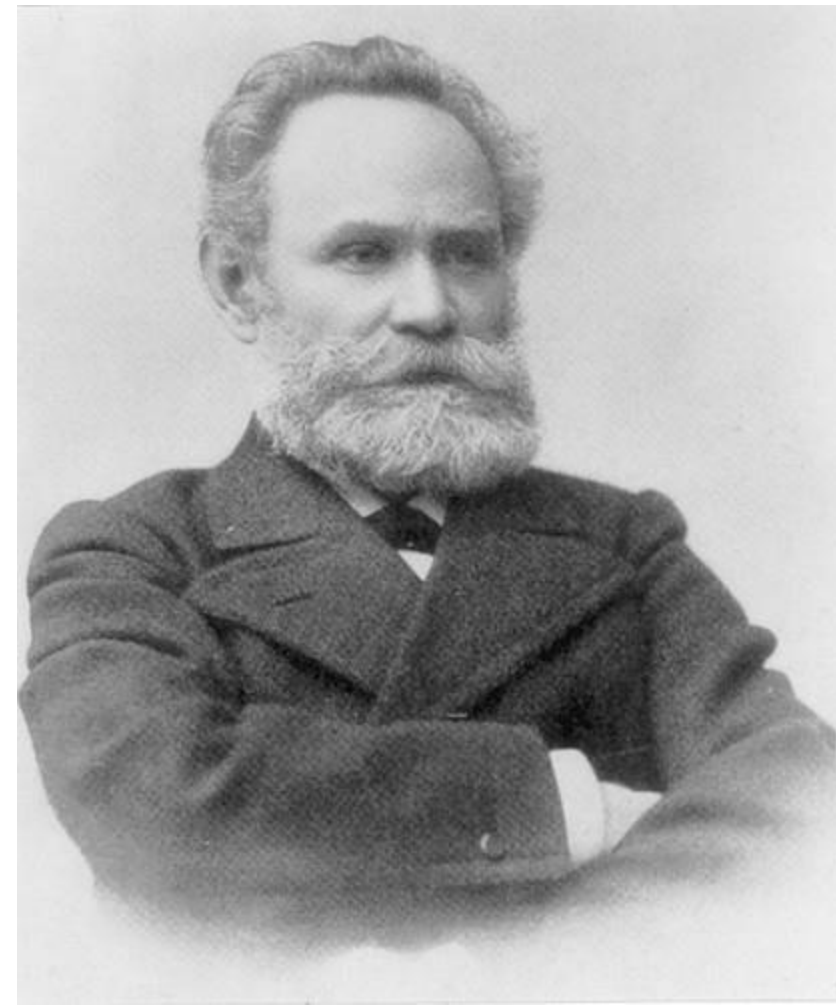


# Ivan Pavlov

- Born 1849
- Eldest of eleven children. Father was priest, mother was a homemaker
- At age 7 he fell from a high wall onto pavement and was seriously hurt, and did not start schooling until four years later
- Studies religious, but left it to pursue math and science
- 1881 married 26-year old Sara  
First nine years there were financial problems; often stayed at other homes, sometimes apart.
  - First pregnancy was miscarriage. Second was a son who did not live long. Sara becomes deeply depressed
  - Eventually they have four living children (one son dies of cancer a year before Pavlov)
- Highly praised by Lenin and the Soviet government, in spite of Pavlov's criticism of communism. He even wrote to Stalin to advocate for scientists arrested in the purge. Very dangerous!
- Died in 1935 in Leningrad (St.Petersburg) at age 86 of pneumonia.
  - Ever the scientist, when dying he has a student by his bedside to record every moment.



## Classical Conditioning (Pavlov's Dogs)

Pavlov suggested that the salivation was a learned response. Pavlov's dog subjects were responding to the sight of the research assistants' white lab coats, which the animals had come to associate with the presentation of food

Pavlov rang the bell, then fed the dogs'. After doing this repeatedly, the pairing of food and bell eventually established the dog's Conditioned Response of salivating to the sound of the bell. After repeatedly doing this pairing, Pavlov removed the food and when ringing this bell the dog would salivate.