

ELECTRIC CURRENT

Prof. Stephen Sekula

9/27/2010

Supplementary Material for
PHY1308 (General Physics -
Electricity and Magnetism)

ANNOUNCEMENTS

- Homework 5:
 - Due today by 5pm
- Homework 6:
 - Will be sent out by e-mail before 5pm today
- In-class quiz
 - Friday, covering homework 5 (capacitors)
- Exam grading
 - Ongoing, expected to be done by Friday

EXTRA CREDIT #2

- Attend the Physics Research Fair
 - Friday, 2:30-5:00 p.m. in Fondren Science 127
 - Undergraduate Research
- Talk to the presenters
 - format: poster presentations with speaker-driven narratives
- Write a 1-2 page paper
 - Premise: how does one of the research topics connect to material we have learned/will learn in the course?
 - Double-spaced, 12pt. font
 - Must cite the topics in the textbook and list at least one relevant formula and how it relates to the research topic

ANDRE-MARIE AMPERE



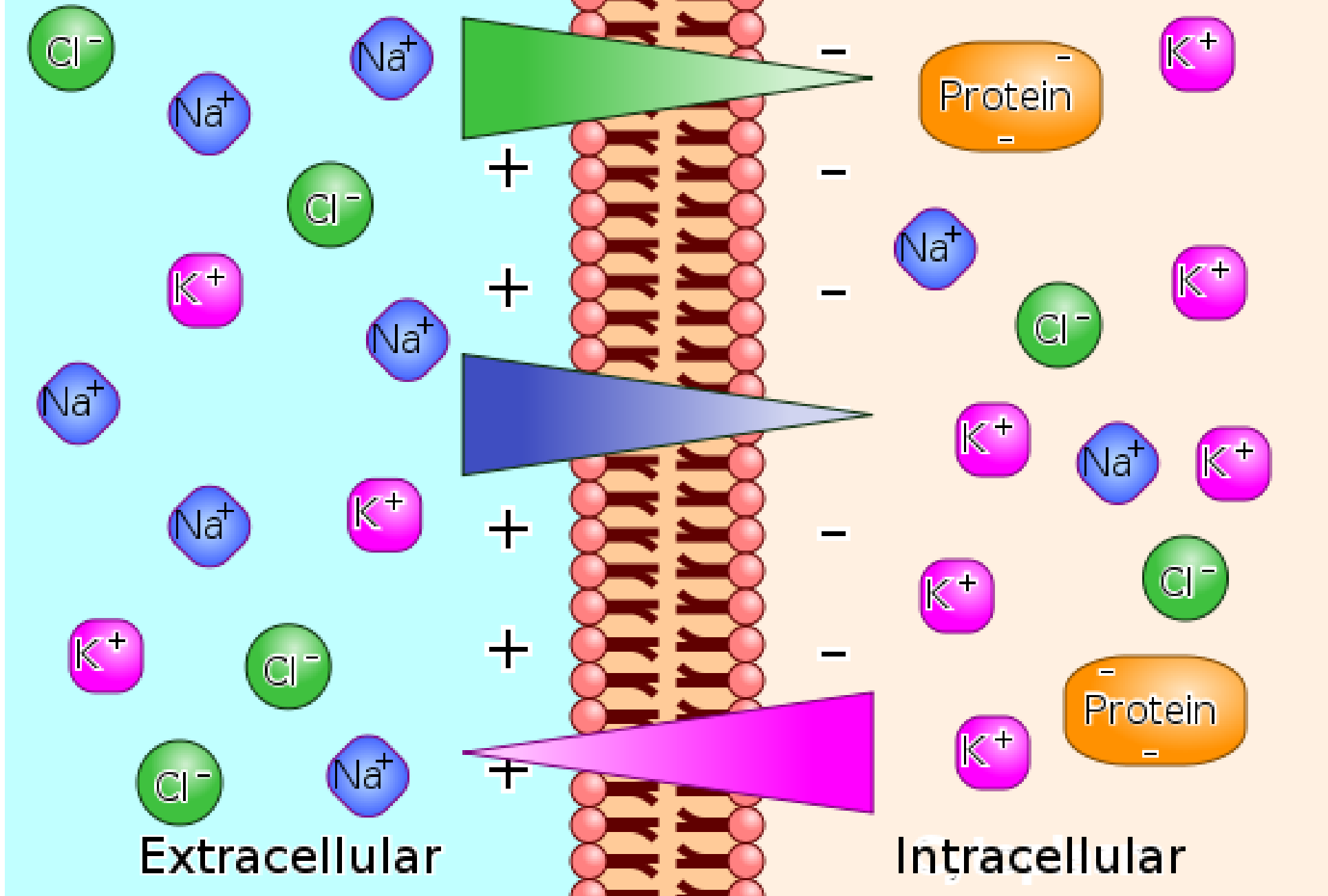
1775-1836

French physicist and mathematician and one of the main discoverers of the relationship between electricity and magnetism.

Developed a mathematical framework for electricity and magnetism that predicted (correctly) new phenomena.

We'll learn more about his work when we study "Ampere's Law."

Cell membrane





<http://www.popsci.com/scitech/article/2008-01/do-cells-make-noise>