



Cells communicate over short distances by using local regulators that target cells in the vicinity of the emitting cell. Find a recent (Within the past 24 months) **scientific** article dealing with the mechanism of cell signaling to produce a specific response. Include articles from **one** of the following topics:

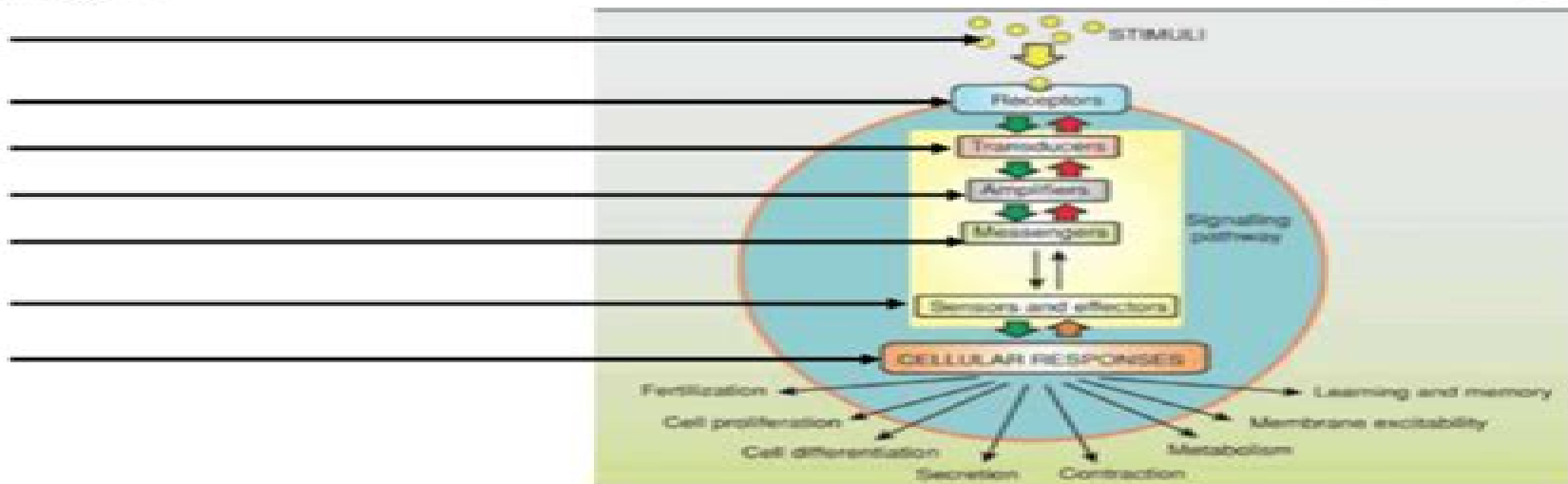
- Neurotransmitters
- Plant immune response
- Quorum sensing in bacteria
- Epinephrine stimulation of glycogen breakdown in mammals
- Temperature determination of sex in some vertebrate organisms
- DNA repair mechanisms
- Morphogens in embryonic development

Attach a copy of the article's abstract, along with APA Reference (Title, Journal, Issue, Volume, Author, page #'s)

Present the following:

1. A 1-paragraph summary of article
2. Fill in the below flow chart of the signaling pathway identifying (naming) the specific components (stimuli, receptor, transducer, amplifier, messengers, sensors, effectors, response) in the cell

Article 1



3. Create a diagram for the article indicating how the events in the cell affect the **organism as a whole**.

Ap Biology Campbell Study Guide

Martha R. Taylor



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