EEMB 157: Disciplinary Knowledge

PEER REVIEW PROMPTS

Trait Identification

Check the boxes if the following statements about purpose, audience, and organization are TRUE:

- The case study is clearly identified at the top of the draft
- Responses for part and part 2 are clearly identified
- Both sections are well developed in 250-300 words each
- Writing is understandable for an audience who has a basic understanding of membrane transport and is excited to understand more about specific cases where it matters

Part 1; Check the boxes if the draft:

- Identifies and clearly describes the type of energy used power the membrane transport that establishes up the membrane potential
- Names which ions are transported to establish the membrane potential Identifies transporters used to establish the membrane potential
- Describes relative ion concentrations on either side of the cell membrane
- Describes a function that depends on the discharge of this membrane potential
- Describes why this function that depends on the discharge of this membrane potential is IMPORTANT
- Identifies whether a signal triggers membrane potential discharge
- Describes the relevant membrane transport processes that occur during discharge of membrane potential
- Contains enough detail for an interested reader to understand how membrane transport and membrane potential works for this scenario.

Part 2; Check the boxes if the draft:

- Identifies and name a perturbation (condition, toxin, or drug) that produces a significant disruption
- Describes in mechanistic detail what it disrupts
- Clearly explains the physiological consequences for the organism
- Contains enough detail about the perturbation for an interested reader to understand the mechanistic basis of the disruption.
Contextual Comments

Use one of the following sentence stems to provide feedback on 1-2 specific concepts or ideas in the draft.

I think you’re trying to say.....

As a scientist, I think you’re right about....

I needed more information about <this thing> because...

It was hard for me to understand the explanation of <> because..

More detailed Information going beyong what's covered in the textbook or lecture about ....[some topic]..... would help me to understand .....[something they wrote about].......