

# 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 beyond what's covered in the textbook or lecture about ...[some topic]..... would help me to understand .....[something they wrote about].....