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## Monolayers and self-assembled bilayers on ITO for use in solar cells

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# Propositions

accompanying the thesis

## Monolayers and self-assembled bilayers on ITO for use in solar cells

A window of opportunity

by

Jane Kardula

1. Universities should prioritize addressing concerns of PhD students over cost-cutting and saving measures, such as in the case of the PhD scholarship project and the window issue.
2. A PhD. thesis and published papers should include failures as we can also learn from failed experiments (Chapter 4).
3. Success and failure in a PhD depends on research topic, supervisor and group members as much as scientific results.
4. If a target molecule has not been reported, it is either due to lack of consideration or unsuccessful attempts.
5. When pursuing a PhD. it is important to remember that it is a marathon, not a sprint. Persistence is key, and it is crucial yourself in order to avoid burnout.
6. Teaching and supervising students in the lab teaches you valuable lessons on interpersonal relationships and people management.
7. Monolayers on ITO are not SAMs because they are not self-assembled (Chapter 2, 3, 4).
8. Using self-assembled bilayers is a great option to decrease the thickness of hole-transporting layers (Chapter 3, 4).