



Women in Science – 2nd Erlangen Symposium

Shooting for sustainability

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The harnessing of solar energy to perform complex chemistries sustainably and on a global scale has been mastered by nature over 3 billion years ago with the emergence of photosynthesis. The ability to wire photosynthetic machineries to electrodes for photo-electrochemistry is a relatively new approach for studying photosynthesis. Additionally, this new ability allows us to re-wire photosynthesis, creating novel pathways for performing solar-energy conversion that is more sustainable than current methods.^{1,2}

My talk will be divided into three parts. First, I will give an overview of efforts in my lab to steal energy and electrons from photosynthesis.³⁻⁵ Second, I will briefly describe how I have forged my own science career path. Lastly, I will talk about key lessons gained from my personal journey as I strive to develop more sustainable ways of leading research and for producing green energy. I will also provide important insights gained from my involvement with several international women's forums,^{6,7}

References

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- [6] L'Oréal/UNESCO for Women in Science international forum
- [7] Rosalind Franklin: A Forum for Female Scientists, Open To All
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