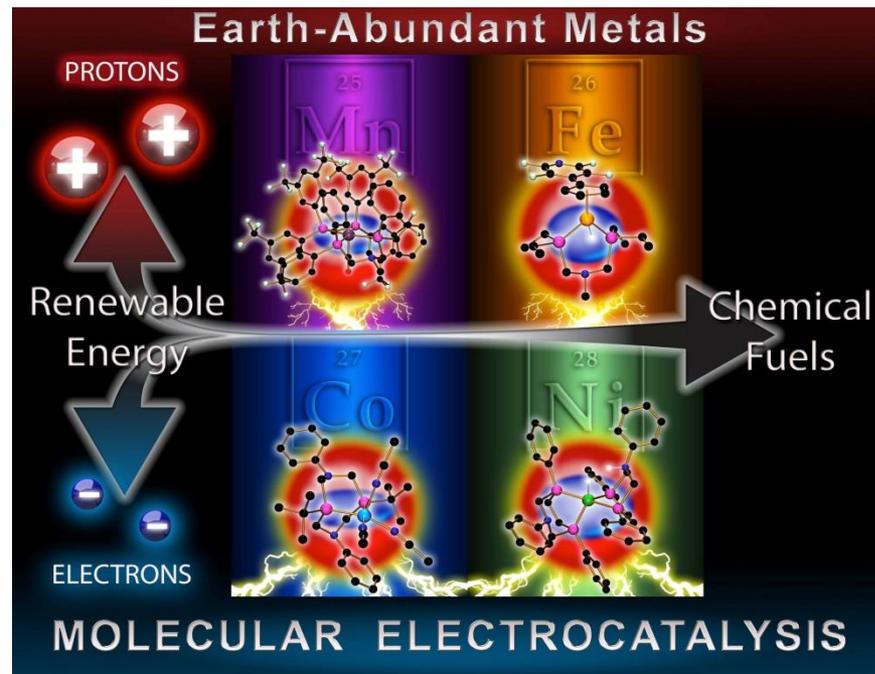


The Center for Molecular Electrocatalysis (CME)

R. Morris Bullock (Pacific Northwest National Laboratory)

CME's vision is to develop a comprehensive understanding of **proton transfer reactions** that will lead to transformational changes in the ability to **design molecular electrocatalysts** that rapidly and efficiently convert between electrical energy and chemical energy (bonds) in fuels.

<http://efrc.pnnl.gov>



RESEARCH PLAN

Catalysts facilitate the conversion of electricity obtained from carbon-neutral, sustainable energy sources (such as solar and wind) into chemical bonds in fuels. CME's research addresses the precise control of movement of protons and electrons to enhance the rate and efficiency of electrocatalysts.



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