Your name:	Cooper Sloan		
Title of poster being evaluated:	Con+nuous 1-D Thermopower Wave Generator		
Element of proposal	**Image/figure**	**Text**	**Oral**
Describes problem or area of inquiry	Equation for efficiency	Portable power sources are not reliable	Portal of power sources are not reliable; need to be recharged
Highlights a "gap"			Increase efficiency of fuel cells
Links problem to technological solution & SuperUROP		Increase the efficiency of these power sources and demonstrate scalability	
Summarizes state of the field / related work	Picture of power cell	Strano lab; energy from chemical bonds	Creating single thermal power wave generator; thermal nanotubes
Presents technical approach	Oscilloscope picture	Daisy chain CNTs; fuel type, joule heater, thermopowerwave	Use carbon nanotubes to provide stucture
Justifies procedures or methodology			
States results or findings	Image of powercells	TPW propogate along lead CNT	
Suggests further research	n/a	Design single daisy chain devices	
Observations about headers:	Basically all the headers are generic categories. The only one that isn't is just the name of the lab ie. Strano Lab		

To consider: How are *links* made in a poster? Is the *three-tier hierarchy* represented (the real world problem or area of inquiry; the technical response t

Your name:	Cooper Sloan		
Title of poster being evaluated:	Interspecies Interactions and the Ecology of the Skin Microbiome		
Element of proposal	**Image/figure**	**Text**	**Oral**
Describes problem or area of inquiry		We need to understand the ecology of bacteria	Trillions of bacteria live on us. We need them to be healthy
Highlights a "gap"		Does not look at roles of forces	Understand driving forces behind the microbiome. How?
Links problem to technological solution & SuperUROP		Focus on the skin w/ fine-scaled spatial resolution to understand forces	
Summarizes state of the field / related work	Image which shows interspecies interaction	Uses snapshots of microbiomes	Don't really understand how microbioem is created
Presents technical approach	DNA sequencing image w/ analysis	16s rRNA region to identify species, mock communities	Optimize sample processing pathway
Justifies procedures or methodology	Fine scaled sampling figure	States that procedure will work but doesn't explain how	
States results or findings	n/a		
Suggests further research		Identify precense of interspecies interation	Start sampling process with human subjects
Observations about headers:	Uses questions, fragments, and statements. Describe the what and the how.		

To consider: How are *links* made in a poster? Is the *three-tier hierarchy* represented (the real world problem or area of inquiry; the technical respor

Your name:	Cooper Sloan		
Title of poster being evaluated:	Acoustic Analysis of Speech		
Element of proposal	**Image/figure**	**Text**	**Oral**
Describes problem or area of inquiry	Image of human face?	Human speech is produced through manipulating vocal tract	Recognizing human speech. Describes how speech is created
Highlights a "gap"		Convert speech to phonemic components. No program can do this	Different from existing systems
Links problem to technological solution & SuperUROP			
Summarizes state of the field / related work		No existing program can do this.	
Presents technical approach	Figure shows signal, spectrogram, and modules	Design module to detect stop sounds	Run speech through spectrogram, use energy and frequency
Justifies procedures or methodology			
States results or findings	Graph shows accuracy	65%-85% classification rate	
Suggests further research		Context sensitivity, landmark modification	
Observations about headers:	A few general categories and then two description of pictures.		
To consider: How are *links* made in a poster? Is the *three-tier hierarchy* represented (the real-world problem or area of inquiry; the technical respon			