ME 239 – Mechanics of the Cell

Final Project Presentations
May 31 & June 05, 2012

Instructions for Judges
according to ASME / SBC conference review guidelines

The presentation format includes the **structure of the presentaiton and its composition**. In general, a presentation should be structured to include an introduction, method, analysis, results, a conclusion, and references. The introduction should define the problem, scope of the study, and a brief background of previous work. The method section also should be brief to leave the majority of the report body for results and discussion. The final paragraph should be a brief paragraph on inference or conclusions reached.

Technical merit should be judged on the completeness of what is reported. For scientific studies, the result should support the conclusions presented. The key is validation of the express conclusion with results and data. Unsubstantiated conclusions or results should receive minimum points. However, not all papers represent basic research. Some papers present the design of a hardware system or a new software development. Both require the development of tests and measurement procedures to validate the product.

After the scoring is complete, please indicate a final grade. Please provide a comment in the designated area that describes why you think this presentation suitable/not suitable. These comments will be collected and provide to the students for feedback.

Is not necessary for the judge to be an expert in the field represented by the paper to evaluate its technical merit using these criteria. Subjective rating of the paper's scientific contribution is not encouraged unless there is evidence that the conclusions are incorrect. A judge should feel free to consult colleagues who are experts in the field, if you are unsure about the correctness of the conclusions. Since presentations can vary from hardware designs to software technique, or simulations and modeling to basic research, each reviewer will have to use his/her own best judgment about the technical merit of the work that is presented.

Scoring & Evaluation System:

Please use the same scoring system as for the General Abstracts for each of the evaluation categories.

Score – Provide a ranking according to

Excellent	= 100
Very Good	= 90
Good	= 80
Marginal	= 60
Poor	= 50

Evaluation Categories

1. Structure of presentation
2. Technical merit
3. Style of presentation

Keep in mind the judges cannot be perfect, but will try to be consistent in scoring. There are multiple judges for each paper and each judge's scores will be normalized to compensate for individual variations.

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Final Project Presentations
Thursday, May 31, 2012

	Name Title	Structure	Technical Merit	Style	Additional Comments
01	Beth Measuring Cell Traction Force				
02	Brittany Leukocyte Activation				
03	Brandon & Matthew Vasculogenesis				
04	Cesare Metastasis				
05	Mengli Bone Cells				
06	Ernst Adipose Cells				
07	Juna Skin Cells				
08	Dee Ann, Ian, Vaishnav Cancer Cells				

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Final Project Presentations
Tuesday, June 5, 2012

	Name Title	Structure	Technical Merit	Style	Additional Comments
01	Livia Dynamics of Morphogenesis				
02	Corey & Alex Red Blood Cells				
03	Alex Artificial Red Blood Cells				
04	Kamil Directed Stem Cell Differentiation				
05	Elliot, Pamon, Ben Differentiation of Mesenchymal Cells				
06	Hwee Juin Mechanotransduction in Intestinal Cells				
07	Elia, Dong Hyun, Armen Cytoskeletal Remodeling In Endothelial Cells				