

Packard Scholars

Oral Presentation Abstract Guidelines for the HBCU-UP Conference

Register Your Oral Presentation Abstracts

The 8th Annual HBCU-UP National Research Conference will include a special oral presentation session for Packard Scholars on October 4-7, 2007 at the Grand Hyatt Hotel in Washington, D.C. The HBCU-UP Conference is an excellent opportunity to hone your presentation skills and network with other Packard Scholars, and members of the scientific and educational community. In addition, Packard Scholars will also serve as Student Session Aides and Judges for the undergraduate student poster and oral presentations.

Packard Scholars will be assigned a specific time slot to present their research or other topics related to their academic pursuits. The oral presentations are for a total of 25 minutes of which 15 minutes is allocated for the presentation and 10 minutes for questions and answers. The oral presentation schedule is listed below:

Oral Presentations Schedule

	Friday, October 5, 2007	Saturday, October 6, 2007
Oral Presentations	2:00pm - 6:00pm	9:45am - 11:45am

Please register your oral presentation abstract online by Friday, June 15, 2007. Registration will require submission of a short abstract (no more than 300 words) describing your oral presentation.

Oral Presentation Abstract Format:

- Your oral presentation abstract should include the following:
 - o Your Name
 - o Packard Scholar Award Year
 - o Department and Institution
 - o Title
 - o Collaborators
 - o Short Abstract (no more than 300 words)

Oral Presentation Setup

1. As noted previously, oral presentations are scheduled for a total of 25 minutes of which 15 minutes is allocated for the presentation and 10 minutes for questions.
2. Presenters must be set up their oral presentation in the time allotted before the session.
3. Students will be assigned a specific time slot for their oral presentation. Students will forfeit their opportunity to present their research if they are more than 5 minutes late for their presentation.

Oral Presentation Setup

4. Rooms will be equipped with laptops for Power Point presentations. Please bring your oral presentations on a variety of storage media. Presenters can use USB drives, CDs, and DVDs.
5. A limited number of transparency projectors will be available. Presenters using transparencies must indicate their request during the on-line registration.

Oral Presentation Tips:

- Allow ample time to prepare for your oral presentation. Do not tell the entire research history. Present only enough data to support your conclusions and show the originality of the work.
- Content – the purpose of your research should be included and explain the reason it is scientifically interesting, and tell why you predicted your expected results. You should describe the methods you used in the investigation, and report detailed, quantitative results, which you then interpret in relation to your scientific area and your initial expectations.
- Delivery – Flow of presentation should be clear, practiced and effective, with well-designed, legible visuals supporting and illuminating your points.
- Appropriate use of technology in the presentation
- Use elements of different sizes and proportions. Convert tabular material to graphic display, if possible
- Important to have eye contact with the audience
- Students' professional appearance is important
- Adherence to the time limit is critical

Abstract Example:

ORAL PRESENTATION ABSTRACT EXAMPLE

Manu Platt

2001 Scholar

Department of Biomedical Engineering, Georgia Institute of Technology

Oscillatory shear stress and laminar shear stress differently regulate the role of cathepsin K in vascular remodeling

COLLABORATORS: Randall F. Ankeny, and Hanjoong Jo: Wallace H. Coulter Department of Biomedical Engineering at Georgia Institute of Technology and Emory University, Atlanta, Georgia, USA

Cathepsins, lysosomal cysteine proteases, have been implicated in atherosclerosis, a process regulated by blood flow and shear stress on the endothelium. It is unknown if shear stress regulates cathepsin activity, so we investigated mouse aortic endothelial cells (MAEC) in downregulating cathepsins under 15 dynes/cm² unidirectional laminar shear stress (LS) such as that found in arterial regions protected from atherosclerotic plaque formation. This was compared to oscillatory shear stress of +/-5 dynes/cm² (OS) found at sites prone to plaque formation and no flow controls (St). OS significantly increased cath K mRNA levels by 2.4 fold over LS and St in MAEC. Western blot confirmed that OS had higher levels of both pro- and mature levels of cath K, intracellularly and in the conditioned media; there was a preference for basal secretion, suggesting its secretion into the vessel wall. A 30% reduction in elastase activity under St and OS and a 43% reduction OS mediated gelatinase activity after transfection with cath K siRNA suggested that OS activates cath K and increases ECM proteolysis. Staining of diseased human coronary arteries revealed a strong correlation ($r^2 = 0.74$) between intensity of cath K staining in endothelial cells and loss of IEL integrity. The mechanosensitive upregulation of cath K under OS demonstrated here may be responsible for IEL breakdown leading to subsequent atherosclerotic plaque development and vessel wall remodeling.

Packard Scholars Posters Abstract Guidelines for the HBCU-UP Conference

Register Your Poster Presentation Abstracts

The 8th Annual HBCU-UP National Research Conference will include a special poster session for Packard Scholars on October 4-7, 2007 at the Grand Hyatt Hotel in Washington, D.C. The HBCU-UP Conference is an excellent opportunity to hone your presentation skills and network with other Packard Scholars, and members of the scientific and educational community. In addition, Packard Scholars will also serve as Student Session Aides and Judges for the undergraduate student poster and oral presentations.

Packard Scholars will be assigned a specific time slot to present their research or other topics related to their academic pursuits. Poster presentations will be approximately 1 hour and 15 minutes. The poster presentation schedule is listed below:

Poster Presentations Schedule

	Friday, October 5, 2007
Poster Presentations	9:45am -11:00am 11:15am -12:30pm

Please register your poster online by Friday, June 15, 2007. Registration will require submission of a short abstract (no more than 300 words) describing the poster.

Poster Abstract Format:

- Your poster abstract should include the following:
 - o Your Name
 - o Packard Scholar Award Year
 - o Department and Institution
 - o Title
 - o Collaborators
 - o Short Abstract (no more than 300 words)

Poster Setup

Posters may be set up on Thursday, October 4, 2007, between 7:00 a.m. and 8:00 a.m. and will be displayed throughout the conference.

Poster Format:

- Poster boards, easels and push-pins will be provided. To ensure that we are able to display two posters per 4-foot by 8-foot display board, please be sure your poster does not exceed the 4 feet by 4 feet dimensions. [Note: Neither access to an electrical outlet nor Internet access will be provided for the poster session.]
- Your poster should include the following:
 - o Hypothesis or statement of the problem being investigated
 - o Methods and Controls
 - o Results
 - o Conclusions, Future Research, and References

Poster Design Tips:

- Allow ample time to prepare your poster. Use crisp, clean design and a strong title. Do not tell the entire research history. Present only enough data to support your conclusions and show the originality of the work. The best posters display a succinct statement of major conclusions at the beginning, followed by supporting text in later segments and a brief summary at the end.
- All lettering should be legible from about 5 feet away.
- Text material should be no smaller than approximately 24 points **(Example)**.
- Poster elements should be mounted with an adhesive on light poster board (1/8" foam core board, any greater thickness will make it difficult to pin up). Electrical tape or Velcro may be used to hold heavier materials, but make sure it can be removed without damaging the display board. A cleaner look is achieved if the illustration and caption are mounted on the same board and a half- inch of the colored poster board extends as a frame.
- For ease of transport, make the poster elements small enough to package and carry. You could also pack a measuring tape and a sketch of the poster layout so you will be prepared to set up the poster quickly.
- The top of the board should consist of a large, easy-to-read title of your program, including name(s) and affiliations(s). The title lettering should be about 2" to 3" with subheadings 0.5" to 1" high.
- Component parts should be organized to lead the viewer through the display.
- Leave some open space in the design.
- Use elements of different sizes and proportions. Convert tabular material to graphic display, if possible.
- A large and/or bright center of interest can draw the eye to the most important aspect of the poster. Use color to add emphasis and clarity.
- Make illustrations simple and bold. Enlarge photos to show pertinent details clearly.
- Display materials should be self-explanatory, freeing you for discussion. Handouts should be available for interested viewers.

Abstract Example:

POSTER ABSTRACT EXAMPLE

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2001 Scholar

Department of Biomedical Engineering, Georgia Institute of Technology

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