



PROGRAM IN UNDERGRADUATE RESEARCH

HOSTS

Presentations on the Hilltop

The Program in Undergraduate Research at Howard University will present *Presentations on the Hilltop* on **Monday, September 29, 2008** from 8:30 A.M. to 1:30 P.M. in the Howard University Founders Library. This event is in conjunction with the Graduate School Undergraduate Visitation Program and will feature the scholarly work of undergraduate students at Howard and other institutions across all disciplines.

All undergraduate students who have had any research experience are invited to submit abstracts to be considered for presentation at this event. The abstract submission deadline is **Monday, September 8, 2008**.

Registration for Presentations on the Hilltop is required and FREE until September 8, 2008. Please direct any questions regarding the research day, or abstract submission and registration via emailed to undergradresearchday@gmail.com. Or for more information, call 202-806-6205 or 202-806-6156.

Guidelines for Abstracts

- Abstracts should be submitted online. For online submission please go to <http://www.gs.howard.edu/agep/>. Please complete both the "Abstract Submission Form" and the "Registration Form." A printed and signed copy of both forms should also be submitted to:

Howard University - Undergraduate Research
ATTN: Ms. Koren Bedeau
Carnegie Building 2nd Floor
2395 Sixth Street, NW
Washington, DC 20059
Fax: (202) 986-0335

- All abstract submissions must be completed by close of business on Monday, September 8, 2008.
- Abstracts must include the title of the presentation, all co-authors, and a brief description of the research. Refer to the Abstract Sample for further details.
- Only one student may present each presentation.
- The title, list of authors and abstract can NOT exceed 2500 characters (including spaces).
- All abstracts must be reviewed and approved by a research mentor, program director or a Howard University faculty member prior to submission.

Notification Letters

All notifications of abstract decisions will be sent by September 12, 2008 via email to the presenting author. Please, ensure that accurate email addresses are listed on the abstract submission form.

Presentation Awards

All students whose abstracts are accepted for presentation at *Presentations on the Hilltop* will be eligible to receive travel awards to attend the regional or national conference of their choice. Information for applying for travel awards is provided by the Office for Undergraduate Research.

Presentation Information

- Applicants will be assigned to make a research poster or oral presentation.
- The size of the poster must be limited to 3' x 4'.
- Complimentary poster printing will be provided. Pushpins and thumbtacks will be provided for your convenience.
- All presenters that attend a poster preparation workshop will receive a complimentary laser pointer. You will be notified of the time and location of this session in your Abstract Notification Letter.

Presentations on the Hilltop

September 29, 2008 Founders Library

SAMPLE Abstract Submission Form

Abstract Category Code

Abstract Format

- Abstracts must not exceed 2500 characters, including spaces.
- Indicate the Abstract Category Code using the List of Abstract Codes.
- Abstracts should be typed and single spaced in Times New Roman, 12 point font.
- Abstract title must be typed in ALL CAPITAL LETTERS.
- Authors should be listed as follows:
Timothy Wright*, Kashai Alexander, Thelma Polite. Howard University, Washington, DC.
(* Indicates student presenter. Note, only one student presenter per poster is permitted.)
- List Institution, Department, City and State

Your abstract and the Abstract Submission Form should be emailed to undergradresearchday@gmail.com by **September 5, 2008**. Requests for Abstract Submission forms can be emailed to the same address.

THE EFFECT OF REDUCED WIDGET SIZE ON BYPRODUCT PRODUCTION. **Timothy Wright***, Kashai Alexander, Thelma Polite. Howard University, Department of Undergraduate Research, Washington, DC.

Production in America, accomplished through the use of large widgets, 10-15mm, has doubled over the past 2 billion years and is steadily increasing. The byproducts of large widget production, byproduct 1 and byproduct 2, have been associated with complex neurological disorders as well as overall academic underachievement in kindergartners. We hypothesize that decreasing widget size may reduce the onset of neurological disorders and improve student performance in kindergarten. In this study we used three widgets of different sizes, 10mm, 5mm, and 1mm. Widgets were maintained in culture for 72 hours. Next, byproducts 1 and 2 were isolated via the widget extraction method and analyzed by widget: production analysis. Our results showed that by product 1 levels decreased significantly as widget size decreased from 98.32 for 10mm widgets to 37.22 for 1mm widgets (P<0.05). Similarly, byproduct 2 levels decreased from 134.08 in 10mm widgets to 12.98 in 1 mm widgets (P<0.05). Therefore, we conclude that the use of smaller widgets produces less byproduct formation and may play a significant role in increasing production and, thereby, improve kindergarten performance. Supported by Grant #298474363.

Last Name First Name MI

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Telephone Number E-mail Address

Mentor Name

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Mentor Telephone Number Mentor E-mail Address

Presenter Signature

Mentor Signature