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THE GAZETTE

August 2015 3%DFN WR 6FKRRO (GLWLRQ Volume 4, Issue 1

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Greetings! This is the fourth edition of The FNS Gazette for the academic year 2014/2015. Each edition brought a special significance and sharing of information about the department. The quarterly issues have included the inaugural one focusing on our students after graduation, the heart issue, the graduation issue and finally back to school issue. The latter will describe what a few select FNS students did during the past summer, 2015. It included experiences such as internships, community service and volunteerism, shadowing, travel, and job placement. FNS students continue to achieve and the next four issues of the Gazette during year two, 2015/2016, will be just as great!

New departmental ventures for 2015/16 include: Academics (revised curriculums, Libguides use to improve student oral and written communication skills, expanded internship opportunities, additional classroom technology, e.g. Via Response, etc.); Research (Increased academic and industry partnerships; and Extension/Service (Implementation of Service Learning Projects). The department continues to provide interim and annual reports to the Accreditation Council for Education, Nutrition and Dietetics (ACEND) regarding our DPD program, and to the Institute of Food Technologists (IFT-Higher Education Review Board) regarding the Food Science program. Corporate offices respectively are located at the Academy of Nutrition and Dietetics (120 South Riverside Plaza, Suite 2000, Chicago, IL 60606) and The Institute of Food Technology (525 W. Van Buren, Suite 1000, Chicago, IL 60607).

Again the department, faculty and staff are still reveling in our most recent top news. Tuskegee University's Food and Nutrition Program is ranked 34 among the top 50 programs in the United States according to public health online. We will continue each year to improve this statistic in the department and rise to even higher heights.

,Q HYHU\ )16 *D]HWWH Honorary Status is UR JUDP¶V QDW recognized for the purpose of maintaining awareness among our alumni. A major need for the department is to continually contribute toward a fully established endowed FNS alumni scholarship of $25,000. This endowment will assist us in recruiting and retaining more students into our academic majors: the Didactic Program in Dietetics (DPD), Food Science (FS), Nutritional Science (NS) and Public Health Nutrition (PHN). Students in FS and NS may also have a dual major with Biology. Please send in your contribution upon receipt of this FNS Gazette!

Our first appeal to alumni and friends for financial support in October 2014 assisted us in reaching 1/3 of our goal. We ask for your continued support.

Our FNS BRAND is 100% job and graduate school placement

Ralphenia D. Pace, RD, LD, PhD
Professor of Nutrition and Head
Department of Food and Nutritional Sciences

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- Tuskegee University is ranked #34 on 3XEOLF +HDOWK 2QOLQH¶V Nutrition Degree Programs´
- TUFANS Executive Board 2015-2016
  - President: Lauriel Stewart
  - Vice President: Azziza Robinson
  - Secretary: Tierney Donnell
  - Assistant Secretary : Erica Archie
  - Treasurer: Jamilah Page
  - Public Relations/Fundraising Chair: Jada Bone
  - Parliamentarian: Nemuel Bonner
  - Senator: Imena Ezell, Proxy: TBA
  - Ms. TUFANS: Jhaelynn Elam
  - Mr. TUFANS: Arthur Bruce
- Jamilah Page and Tierney Donnell have been selected to be co-Chair and Treasurer for the 2015- 2016 Junior Alabama Dietetics Association (ALDA) Inaugural Board

´Only a generation of readers will spawn a JHQHUDWLRQ RI ZULWHUV ´

²Steven Spielberg

Purdue University
(Lafayette, IN)

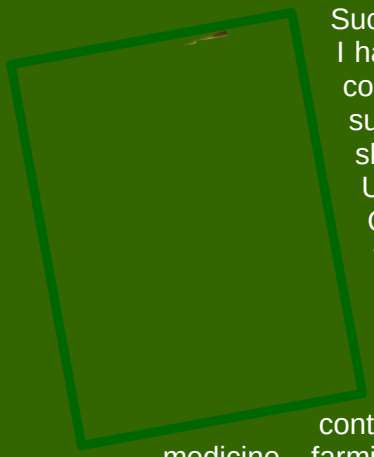
This summer I had the pleasure of working for 8 weeks at Purdue University in the Nutrition Science department. My mentor was Dr. Nana Gletsu-Miller and under her leadership, U H V H D U F K H G *The Association Between the Consumption of Specific Food Groups and Anthropometric Measures of Obesity in Adolescents´* , found that high consumption of refined grains and sugar sweetened beverages were associated with larger waist circumference measurements in adolescents. At the end of my duration at Purdue, I shared these findings in my concluding presentation.

Kendra Wilder
Senior, Dietetics

Bell Flavors & Fragrances
(Northbrook, IL)

This summer, I had the opportunity to intern at Bell Flavors & Fragrances located in Northbrook, IL. As an intern I was able to work underneath a certified Flavorist and aid in the creation of flavors. I also got to work hands on with many raw materials by compounding different flavors, both natural and artificial. My current field of study is Food Science with a focus in Food Chemistry. This internship allowed me to work with many of the chemicals that I have learned about through the chemistry courses that I have taken. I was also able to complete processes that I have learned about in my Food Science classes, such as emulsification and homogenization. I plan on returning to Bell Flavors & Fragrances in order to gain more knowledge and experience in Flavor Chemistry.

Earth University in Costa Rica
(Mercedes, Costa Rica)

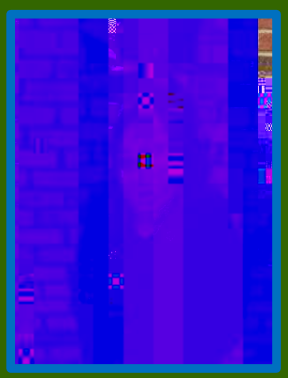


Such an adventurous summer! I have never been outside the country before until this summer. I participated in a short course at Earth University in Costa Rica. Over the course of 10 days, the course covered a number of topics all under the agricultural umbrella (food safety and security, entomology, organic pest control, plants for food and medicine, farming methods that support sustainability, methods of recycling and reducing waste during production, etc.) through experiential learning. In addition to learning the importance of agriculture, learning and understanding the cultural lifestyles of the country (and in relation to other countries and lifestyles) was a great part of the experience.

Jamilah Page
Senior, Dietetics

University of Alabama in Birmingham, School of Medicine
(Birmingham, AL)

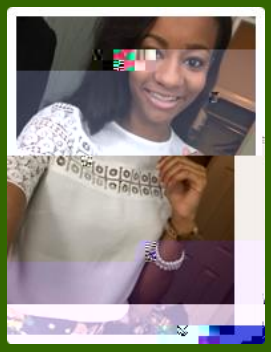
Deja completed a 6-week medical internship as part of the Summer Health Enrichment Program (SHEP). This program exposes talented undergraduate students to careers in medicine, dentistry, optometry, and other health professions. Students are allowed to work in medical environments, and shadow clinicians, while preparing entry into professional schools. Deja has dreams of becoming the best pediatrician in the world.



Deja Hatcher
Junior, Nutritional Science/Pre-Health Biology

AL Department of Public Health
(Montgomery, AL)

This summer, I had the opportunity to shadow a registered dietitian (RD) within the Department of Nutrition and Physical Activity at The Alabama Department of Public Health. During this time I was able to meet many RDs and get to know them and inquire as to what made them want to be an RD. I was able to learn how they arrived at their professional destination. I was able to sit in on conference calls with



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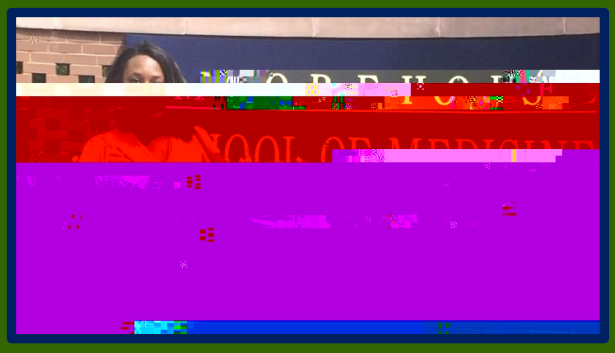
THE GAZETTE

August 2015

Morehouse School of Medicine
(Atlanta, GA)

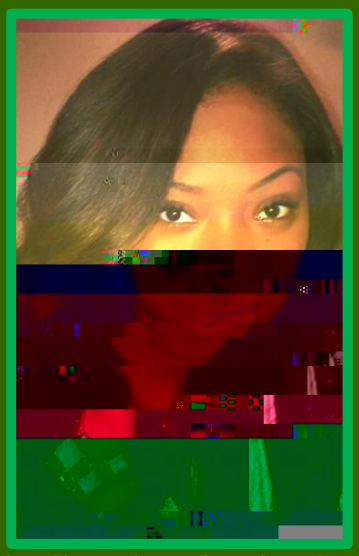
This summer, as a Cancer Intern, I had the opportunity to do research at Morehouse School of Medicine in Atlanta, Georgia under the direction of Dr. Derrick Beech. I did a retrospective study on diabetes/metabolic disease using de-identified patients with a pre-existing diabetic condition. I presented a poster at the end of the summer entitled "The Efficacy of a Metabolic Disease Registry for Managing Diabetes in Underserved Communities. The purpose of this study was to identify problem areas as it relates to patients effectively controlling their diabetes. I used statistical data analysis to show how individuals with well-defined care plans managed their diabetes. This relates to my field of study because as a pediatrician I want to implement plans to reduce the obesity epidemic. In order to make these changes the problem areas have to be identified and factors determined that are statistically significant before changes can be made.



Tania Anderson
Junior, Nutritional Science and Biology

Nestle USA
(Tulare, CA)

This past summer I served as a quality assurance intern for Nestle USA in Tulare, CA. The relevance of this internship was Food safety and quality production. The biggest expectation of this internship was to gain insight on food industry quality and its importance.



Projects:

‡ 7UDLQHG DQG qualified cross functional team members on potential off flavoring packaging sensory

‡ ,GHQWLILHG improve on variegate pooling in both Haagen Dazs and Dreyers products

‡ &RPSLOHG G identify and confirm that the factory was accurately producing product

‡ 5HGXFHG SRWHQWLDO FRQVXP equipment that monitors the fill level of all pint, mini cup, and quart containers.

Salary Range: $1500.00-$2000.0

Jhaelynn Elam
Senior, Food Science and Biology

My Time at Tuskegee University:

Traveling thousands of miles from my native home of Ghana, located on the west coast of Africa, I made the journey to Tuskegee Alabama to purse my graduate studies. Garnered with a BS degree, I was privileged to work under the supervision and guidance of Dr. Adelia Bovell-Benjamin whose continuous support and encouragement built my focus and career decisions. Itwas always good to know that I could count on the support of the FNS department faculty

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Faculty Food Safety Research

Dr. B. Min

Antibacterial Activity of Pomegranate, Orange and Lemon Peel Extracts Against Food-Borne Pathogens and Spoilage Bacteria *In vitro* and on Poultry Skin

International Journal of Poultry Science 2015, 14 (4): 229-239.

Storage Stability of Sweet Cream Butter Prepared From Goat Milk

Journal of Nutritional Health & Food Engineering 2014, 1(4): 21-26.

Green tea changes serum and liver metabolomic profiles in mice with high-fat diet-induced obesity

Molecular Nutrition & Food Research 2015, 59, 784 -794.

Microbial Decontamination of Fresh Produce (Strawberry) Using Washing Solutions

Journal of Food Research 2015, 4(3): 128-137.

Faculty Cardiovascular Training

Dr. M. Johnson

This summer I had the distinct honor of being 1 of 12 participants in the Summer Institute Program Increase Diversity Among Individuals Engaged Health-Related Research (PRIDE) at SUN Downstate Medical Center in Brooklyn, New Yor Sponsored by the National Heart, Lung, and Blo Institute (NHLBI), the goal of the Institute is t ³*broaden the demographic profile of medical research by training junior scientists from u nder-represented minority* E D F N J U R XSQVG S of the two-week training we were privy to didactic courses and gran writing and grantsmanship strategies many of which were provided by world renown clinicians and researchers in the field cardiovascular medicine and research, community-based participatory research and hea disparities.

In addition, we were able to hold the Nobel Prize belonging to Dr. Robert F Furchgott for h contribution to the discovery of nitric oxide and i role in cell signaling! Although the training wa highly rigorous I was able to take in a few of th sights and even visited the Brooklyn Tabernacle, home of the six time Grammy Award-winning Brooklyn Tabernacle Choir! My participation in th PRIDE-CVD Summer Institute was remarkable and I look forward to my future research collaborations a contributions to the diversity of cardiovascular disease research!

Tuskegee University
Department of Food & Nutritional Sciences

This issue of *The Gazette* is brought to you by:
Jamilah Page, Tierney Donnell, Lauriel Stewart, Gina HayesShell, Kendra Wilder, Azziza Robinson, Arthur Bruce, Jr., James Vinson, Erica Archie, Deja Hatcher, Jada Bone, Rebecca Gyawu

Faculty Advisors:
Drs. Ralphenia D. Pace & Melissa Johnson

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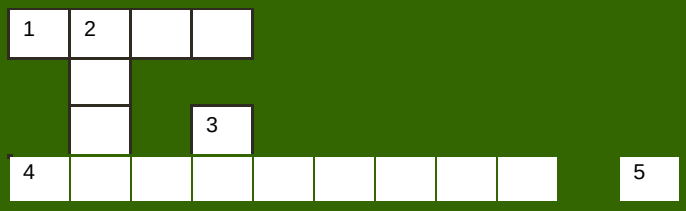
Test Your Knowledge!!!