



COLLEGE OF SCIENCE
KWAME NKUMAH UNIVERSITY
OF SCIENCE AND TECHNOLOGY

CoS E-NEWSLETTER

ELECTRONIC NEWSLETTER HIGHLIGHTING COLLEGE OF SCIENCE ACTIVITIES





Dr. Lord Jephthah Joojo Gowans Named Winner of the 2023 IADR Smile Train Cleft Research Award

Dr. Lord Jephthah Joojo Gowans from KNUST, Kumasi, Ghana, has been honored with the prestigious 2023 IADR Smile Train Cleft Research Award, as announced by the International Association for Dental Research (IADR). The award ceremony took place during the Opening Ceremonies of the 101st General Session of the IADR, held in conjunction with the 9th Meeting of the Latin American Region and the 12th World Congress on Preventive Dentistry in Bogotá, Colombia, on June 21, 2023.

Dr. Gowans has been investigating the role of genetic and environmental risk factors in the etiology of complex disease traits through the use of genetics, genomics, and developmental biology techniques. His research focuses on dental and craniofacial genetics and genomics, including human orofacial clefts...

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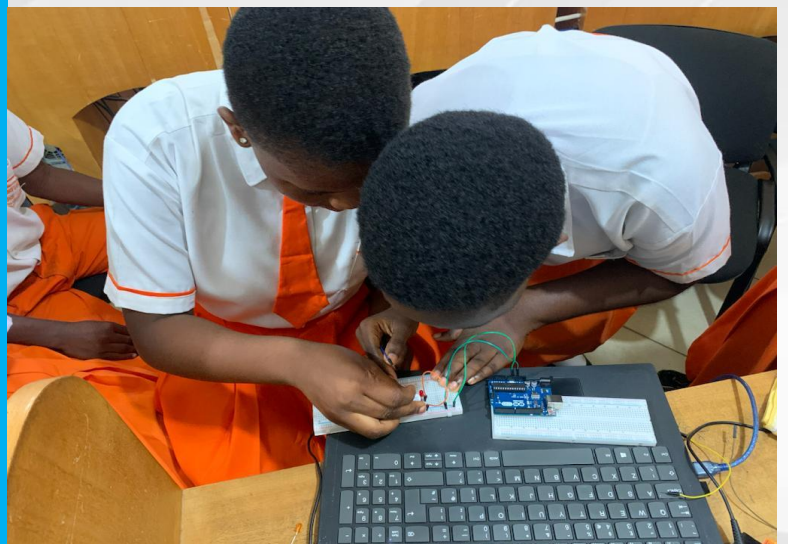


CoS, KNUST Robotics Club organizes a Robotics Impact session for students of Glory Vel School.

On the 7th of June 2023, a group of 30 Junior High School (JHS) students from Glory Vel School, accompanied by their teachers, embarked on an educational excursion to the prestigious College of Science Robotics Club at Kwame Nkrumah University of Science and Technology (KNUST). The purpose of the visit was to introduce the students to the fascinating world of computer science.

This remarkable experience was made possible through the efforts of Prof. (Mrs.) Ibok Oduro, who facilitated the visit, and the gracious hospitality of Dr. Rose-Mary Gyening and Dr. Kate Takyi, who hosted the students in the Department of Computer Science lab.

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FST-KNUST organizes Food Hygiene Certificate Course for Volta Serene Hotel

The Department of Food Science and Technology, KNUST has trained the staff of Volta Serene Hotel-Ho on food hygiene and safety. The short course was facilitated by Dr. (Mrs.) Gloria M. Ankar-Brewoo and Prof. Jacob K. Agbenorhevi (Course Coordinator) on 23rd May, 2023.

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Afrisnet Global Research Webinar Explores the Neurobiology of the World's Most Dangerous Animal

The Afrisnet Global Research Webinar (GREW), in collaboration with the Faculty of Biosciences, hosted webinar on the intriguing research topic, "*Neurobiology of the World's Most Dangerous Animal*".

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Graduate School Application Support Fund

The Edmund Arthur Graduate School Application Support Fund has been unveiled at a ceremony presided over by the Pro Vice-Chancellor, Prof Ellis Owusu-Dabo. The support is for students of the Department of Optometry and Visual Science desirous of furthering their studies in the United States of America.

Dr. Edmund Arthur, a tenure track Assistant Professor at the University of Alabama at Birmingham, USA, and an alumnus of the Department of Optometry and Visual Science, College of Science, KNUST, said he was motivated to give back to his alma mater by establishing the support fund to ease the challenges and difficulties prospective graduate ...

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Five Students from the Department of Statistics and Actuarial Science receive a prestigious award from Prudential Life

The Kwame Nkrumah University of Science and Technology (KNUST) in Kumasi, Ghana, has recognized the academic excellence of five students from the Department of Statistics and Actuarial Science

The awardees are Foster Osei, Francis Tiekou, Ronald Owusu Acheampong, Priscilla Akua Dede, and Kingsley, who have shown exceptional dedication and achievement in the field of Actuarial Science.

The award presented by Prudential Life Insurance, worth 500 US dollars, is equivalent to the Ghanaian Cedi currency.



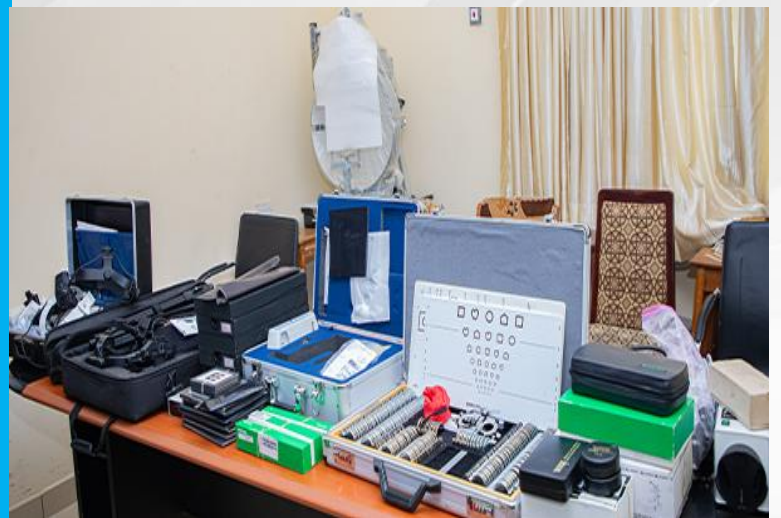
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VOSH/International Donates State-of-the-Art Equipment to Optometry Department

The Department of Optometry and Visual Science at Kwame Nkrumah University of Science and Technology (KNUST) has received a generous donation from Volunteer Optometric Services to Humanity (VOSH/International).

VOSH/International is the largest non-profit organization of volunteer optometrists, with 103 chapters worldwide. The organization's mission to provide the gift of vision and eye health to people worldwide is commendable, and their donation to the Department of Optometry and Visual Science at KNUST is an excellent example of their commitment to their mission.



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Dr Kwadwo Owusu Akuffo from the Department of Optometry wins €300,000 Grant from the Else Kroener-Fresenius Foundation for the Low Vision project.

Dr Kwadwo Owusu Akuffo, from the Department of Optometry KNUST, will lead a collaborative project on Low vision with Prof. Dr. rer. biol. Hum. Werner Eisenbarth from Hochschule München (HM) under a grant offer of €300,000.00 from the Else Kroener-Fresenius Foundation.

The project will see the establishment of a Tertiary Low Vision Center on the KNUST campus, as well as associated regional clinics in the Ashanti region around Kumasi.

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KNUST Optometry Class of 2025 Ushered into Clinical Years

The event which marked the beginning of the clinical years for the 2025 Optometry year group took place at the Allotey Auditorium, College of Science. The theme for this year's ceremony was "Transforming Sight, Transforming Lives".



The Head of the Department of Optometry and Visual Science, Dr. Kwadwo Owusu Akuffo in his opening address highlighted the transformative journey that the students will embark on as they begin their clinical years. He emphasized the crucial role optometrists have in improving the visual health of their patients, which has a significant impact on their quality of life.

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CoS-KNUST hosts 12th GSA RSPP and the Celebration of IYBSSD-2023.

The 2-day event was both in-person and online on 8th to 9th March, 2023. It was organised in collaboration with the Ghana Academy of Arts and Sciences (GAAS), College of Science and Young Researchers Forum (YRF) of the Office of Grants & Research (OGR), KNUST.

Speaking at the conference, the Pro Vice-Chancellor, Prof. Ellis Owusu-Dabo, who spoke in place of the Vice-Chancellor, Prof. (Mrs.) Rita Akosua Dickson, expressed admiration for the Ghana Science Association and their relentless pursuit in the advancement of science and technology in the country.

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KNUST Food Festival 2023

This is an annual event organized by the Department of Food Science and Technology and the College of Science in collaboration with other key players.

The KNUST Food Festival 2023 which was themed “Promoting our culture and food for well-being and sustainable development” featured diverse food, culture and innovative products developed. The dignitaries present include the Vice-Chancellor of KNUST, Professor (Mrs.) Rita Akosua Dickson, Prof. Leonard K. Amekudzi, Provost-CoS, Prof. (Mrs.) Ibok Oduro, Former Provost-CoS and many others.

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College of Science Inaugurates Three New Laboratories

The College of Science recently unveiled three new laboratories that were refurbished to meet the latest educational standards. The two new computer labs and the Human Genetics and Genomics (HuGENE) Laboratories are now fully operational and offer students access to cutting-edge technology and equipment.

According to Dr. Gowans, The lab has three compartments: general lab space, cold room, and cell/tissue culture. The general lab space houses equipment and tools for DNA/RNA extraction, quantification, amplification, and separation/viewing. Equipment and tools for DNA/RNA extraction include water baths, centrifuges, digital vortex machines, electronic weighing balance, magnetic stirrer.....

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College of Science's End-of-Year Get-together

College of Science, Kwame Nkrumah University of Science and Technology organised an end-of-year get-together for the staff (teaching and non-teaching) of the College.

The event, which was held at the Great Hall of the University, aimed to release stress and send off to the retired staff of the College in 2021 and 2022 as the academic year.

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CoS-KNUST and GSA Organize Stem Workshop for Senior High School Teachers

College of Science (CoS)-KNUST and the Ghana Science Association (GSA) Kumasi Branch, organised a workshop for senior high school teachers dubbed: “Tailoring STEM education for National Development”. The teachers were trained in all STEM Subjects such as Mathematics, Physics, Chemistry, Biology and ICT.

The President, Prof. Jacob Agbenorhevi stated that the branch learned from the workshop that the majority of these instructors come from less well-equipped schools and hence lack the necessary labs, basic apparatus, instruments, and reagents to carry out the numerous practical associated with the courses they are teaching...

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Dr. (Mrs.) Mary Amoako has been selected for the OWSD Early Career Fellowship Programme

Dr. (Mrs.) Mary Amoako, Lecturer and Registered Dietician at the Department of Biochemistry and Biotechnology (Nutrition Unit), CoS-KNUST has been selected as part of the 2022 cohort of the Organization for women in

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1st KNUST SEG Geophysics Field Camp

The sun was mild but biting as is typical of the southeastern coast of Ghana. For a second, all stood still then the air was punctuated by pure unadulterated Ewe. An invitation to the ancestors to be present to hear the words of their descendants. The words were interspersed with plentiful amounts of akpeteshie, schnapps, and a soda drink. The libation was an offering to pave the way for the prayers the elders of the house were offering....

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Department of Physics Holds an Open Day for Senior High Schools in Ghana

The Physics Open Day for Senior Secondary School (PODS 22) was aimed at introducing Senior Secondary School students to the broad spectrum of careers and research areas available in the field of Physics. It also sought to stimulate the interest of Senior High School students in Physics, which is severely lacking in Ghana. Senior High Technical School, Juaben Senior High School ...

The Department of Physics, KNUST on Saturday the 23rd of July held an Open Day for Senior High Schools across Ghana. The event was both in-person and on Zoom to ensure the participation of as many schools as possible. Several Senior High Schools from the Ashanti Region made it to the beautiful KNUST campus to take part in the program.

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Announcements

Free Tutorials for Students (CoSSAP)

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Call For Applications: Edmund Arthur Graduate School Application Support Fund 2023

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Call for Applications for the Recruitment of a Research Assistant for the HM KNUST Low Vision Project

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Professorial Inaugural Lecture By Professor Leonard K. Amekudzi, Provost-CoS.

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KNUST
Kwame Nkrumah
University of Science
and Technology, Kumasi

PROFESSORIAL INAUGURAL LECTURE

Topic

**Cracking the Climate Change
Code: The Sub-Saharan Africa
Revolution**

To be Delivered by

**Professor
Leonard K. Amekudzi**

Dr. rer. nat. (Bremen), MPhil, BSc (Hons), Dip.ED (Cape
Coast), MinSTP, (Provost, College of Science, KNUST)

Chairperson

**Professor (Mrs.)
Rita Akosua Dickson**

Vice-Chancellor, KNUST



Thursday,
3rd August 2023



Great Hall,
KNUST



4:30pm
PROMPT



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University of Science
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10TH KNUST SUMMER SCHOOL

MAIN THEME

**ACADEMIA-INDUSTRY PARTNERSHIP
FOR NATIONAL DEVELOPMENT**

| STAFF CATEGORY | SUB-THEME |
|--|---|
| Senior Members – Teaching | From Classroom to Workplace: Developing Industry-ready Graduates through Effective Partnership |
| Senior Members - Administrative & Professional | Deepening Skill Sets for Academia-Industry Linkage: Creating the needed Environment through Support Systems |
| Senior & Junior Staff | Strengthening Academia-Industry Linkage: The Role of Senior and Junior Staff |



**2ND TO 4TH
OCTOBER,
2023.**



**GREAT HALL &
COLLEGES/UNITS,
KNUST-KUMASI**



**8:00AM
EACH
DAY**

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0208152298 / 0242289022 / 0249468049 /
0244925921 / 0506978182 / 0208954223
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College Of Science
Kwame Nkrumah University
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HISTORY OF COLLEGE OF SCIENCE LEADERSHIP

From Faculty of Science to College of Science, KNUST



PROF. LEONARD K. AMEKUDZI
PROVOST (2019 - Date)
COLLEGE OF SCIENCE

2019 - Date



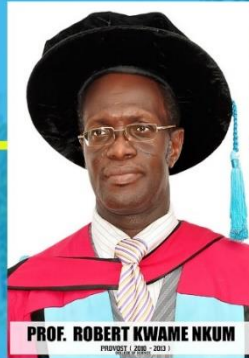
PROF. (MRS) IBOK ODURO

2016 - 2019



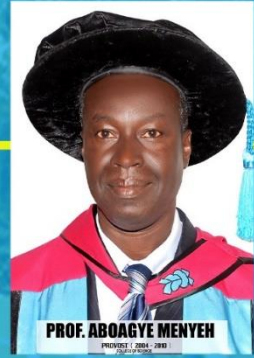
PROF. KWASI OBIRI - DANSO

2013 - 2016



PROF. ROBERT KWAME NKUM

2010 - 2013



PROF. ABOAGYE MENYEH

2004 - 2010



PROF. ABOAGYE MENYEH
DEAN (2001 - 2004)
FACULTY OF SCIENCE

2001 - 2004



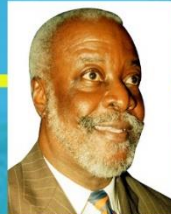
PROF. E. FREMPONG
DEAN (1999 - 2000)
FACULTY OF SCIENCE

1999 - 2000



PROF. KESHAW SINGH
DEAN (1993 - 1998)
FACULTY OF SCIENCE

1993 - 1998



PROF. E.H. DANON-NEIZER
DEAN (1990 - 1992)
FACULTY OF SCIENCE

1990 - 1992



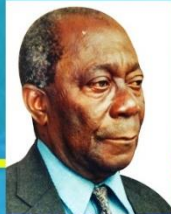
PROF. M. KOOTIN-SANWU
DEAN (1987 - 1989)
FACULTY OF SCIENCE

1987 - 1989



PROF. E.H.A. ALLOTEY
DEAN (1975 - 1986)
FACULTY OF SCIENCE

1975 - 1986



PROF. E.A. KUFFOUR
DEAN (1967 - 1974)
FACULTY OF SCIENCE

1967 - 1974



PROF. K.G. WHITTAKER
DEAN (1963 - 1966)
FACULTY OF SCIENCE

1963 - 1966

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| DR. JEFFERY NII A. ARYEE | MEMBER |
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| MR. SAMUEL BIOH | CO-OPTED MEMBER/WEB MANAGER |
| MR. ALI SADIK ABUBAKAR | CO-OPTED MEMBER/IT |
| MR. PATRICE VASCO ASAMOAH | CO-OPTED MEMBER/IT |
| MS. CHELSEA OWUSU | CO-OPTED MEMBER/SCISA REP |
| MR. MOHAMMED DAYAAN | CO-OPTED MEMBER/NATIONAL SERVICE |
| MR. MICHAEL KWAWU | CO-OPTED MEMBER/NATIONAL SERVICE |

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