



### Editorial Committee

Mal. Ahmad Shehu Chairman

Dr. M.U Imam Member

Dr. Ibrahim Malami Member

Dr. M.A Sajo Member/Editor

### Admin Structure

Prof. Yusuf Saidu

Deputy Vice Chancellor  
(RI&D)

Prof. A. B Muhammad  
Director of DRI&D

Ahmad Shehu  
Director, Linkages and  
Development Unit

Dr. Mustapha Umar Imam  
Grant Management Officer

Prof. Jimoh Amzat, Deputy  
Director, Research and Grant  
Management

Dr. Ibrahim Malami  
Deputy Director, IT&C

Mal. Bello Abubakar  
Administrative Secretary,  
DRI&D

Mal. Jabir Musa  
Caretaker, DRI&D

## About the DRI&D

### Research Collaboration

#### Research and Partnership

The University shall encourage mutually beneficial collaborative partnerships with academic and research institutions and the industry within and outside Nigeria. These will include:

- Higher Education Institutions
- Technology-driven Organisations
- Small and Medium Enterprises
- Big corporations
- Community-based Organisations including NGOs
- Governments
- International Organisations
- Religious and Opinion Leaders

The Linkages and Development Unit of the Directorate of RID shall be responsible for these collaborative partnerships.

#### Knowledge Transfer

Transfer of research outcomes shall be through one of the following:

##### I. Short to Medium Term

- Start-ups:** The University is committed to forming viable start-ups that will be completely or partially owned by the university from technology/business incubators to generate revenue, create jobs and drive the economy.
- Licensing:** the University shall license its intellectual property to interested third parties that wish to develop products and services arising from outcomes of the research and innovations of the University.
- Contract research:** University Researchers shall be encouraged to engage in research for public and private organizations. The University shall provide an enabling environment that will encourage researchers to convert their discoveries into products that can be marketed for revenue generation, job creation, and improvement in well-being.
- Consulting:** The University's expertise shall be made available for the government and other sectors under agreed terms.

e. **Graduate and Researcher Mobility:** The University is committed to producing quality researchers and graduates with the skills to drive positive change in the society.

f. **Community Service:** The university shall conduct relevant research that can improve the well-being of its host communities and ensure its dissemination for appropriate impact at the community level.

II. **Long Term** For long-term dissemination of knowledge arising from research in the university, the following methods shall be used:

- Technology networks and brokers
- Science parks
- Cluster initiatives
- Intensive community engagement; and
- Infusion of findings into teaching.

## Research Instruments, Equipment And Software

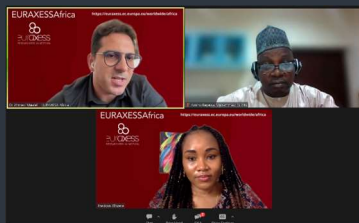
This university shall regulate the procurement, use/re-use, disposal, and sale of research equipment and software to ensure responsible management, accountability and effective use of resources (instruments, equipment, software and other materials) that are procured or donated in the course of conducting research.

#### Procurement, Ownership, and Use/Re-use

i. To ensure optimal performance of equipment and materials for research, the university shall have a maintenance plan and/or insurance at procurement. Furthermore, sponsored research equipment for training or other research in the University must be carefully negotiated to protect the interest of the university and its researchers. Unrestricted access to equipment must be given to university staff and students if they meet the requirements for the use of the equipment. Procurement of equipment shall be guided by the University's procurement guidelines. ii. Equipment purchased with grants awarded to researchers in the university shall be the property of the university, which shall be retained for future research and training of students.

# DRI&D Activities

## DRI&D hosted EURAXESS Africa Grant Writing Workshop



The EURAXESS Africa, in collaboration with Usmanu Danfodiyo University, Sokoto hosted an online workshop: "Grant Writing Workshop". The online workshop, held on the October 4th, 2023 is designed to provide participants with valuable information and advice on preparing competitive project proposals for the Horizon Europe program. The workshop has witnessed participants from various institutions and national and international geographic regions. The event was hosted by Prof. A. B Muhammad, Director of DRI&D and featured Dr. Ahmed Maalel (Region Representative for Africa – EURAXESS Worldwide) and Dr. Precious Ekwere (Africa Chapter Chair, Marie Curie Alumni Association).

iii. Borrowed equipment shall be returned to the owner at the end of the expiration period of the agreement.

### Disposal and Trade-offs of Research and Innovation Equipment

The University's Policy on the disposal of unusable equipment shall apply in the disposal of instruments, equipment and software used for research.

## Research Support

### Scope of Research Support

In order to create an enabling research environment, the university shall provide well-coordinated research support services to all researchers in the University as follows:

- i. information-based Research Support Services; and
- ii. facility-based Research Support Services.

### Information-based Research Support Services

These will include key areas of support bothering on:

- i. enhancing access to research information resources;
- ii. providing a platform for securing funding;
- iii. strengthening collaborative partnerships;
- iv. providing training for all researchers;
- v. providing administrative, Financial, and managerial advisory services;
- vi. creating a platform for dissemination of research output;
- vii. sustaining an efficient institutional management of research by keeping information on research and researchers;
- viii. sourcing and providing information services on up-to-date scholarly literature for use by researchers.

### Facility-Based Research Support Services

The University is committed to providing and maintaining the research infrastructure necessary for undertaking productive research. Accordingly, the university shall provide support to researchers in terms of advice and facility availability, quality, access and utilization.

## Research Support

### Facility-Based Research Support Services

The University shall promote regular training of its staff and students on research-related processes and methods. The training shall be directed at young academics to empower them in research methodology, the use of computers and internet resources, and senior academics who shall be trained and retrained in new or emerging research concepts and methodologies that will advance research in the university. The university shall also promote the training of postgraduate students

## Training Workshops

The university shall encourage regular workshops to improve the research skills of staff and students. These workshops shall include preparation of grant writing, grant management, project management and specific research skills, using resource persons within and outside the University. Similarly, the University will sponsor academic staff to attend workshops outside the university where necessary.

## Monitoring and Evaluation

### Monitoring and Evaluation

Research in the university shall be monitored through the following means:

- a. monitoring and evaluation of all research conducted by staff and students of the University.
- b. ensuring strict adherence to global best practices.
- c. developing appropriate Monitoring and Evaluation (M&E) tools for the purpose of assessing research activities in the University.
- d. regularly updating the M&E tools for performance appraisal mechanisms and reviewing the policy document from time to time.
- e. regular reporting of progress in the management and administration of research in the University.

### Guidelines for Monitoring and Evaluation

The Directorate of RID shall monitor research using the following guidelines:

- i. Measurement of the outcomes of research carried out in the University
- ii. identification, recognition and recommendation to the University to award the best researchers with incentives (material, monetary etc.), recognition or a merit award.
- iii. Collection of progress reports, annually/periodically, in order to effectively monitor all ongoing research.
- iv. Documentation of research accomplishments and challenges.
- v. Maintaining a performance register detailing statistics of researchers, grants, publications and patents.
- vi. Appraisal of the impact of research conducted in the university.

## Procedure and Publicity

### Research Procedure

Research projects shall be supported by the university if a staff of the university is the principal investigator or a member of the research team. Similarly, the project must have been approved by the University Ethics Committee, and the interest of the university must have been fully protected. It is expected that general guidelines directing

the conduct of research in the University will be adhered to irrespective of the nature of the research (degree or non-degree awarding).

### Leadership and Supervision of Research

It is expected that research projects will be supervised by senior members of staff of the university with the requisite skills and technical knowledge. Similarly, the appointment of the supervisor must follow existing university guidelines.

### Research Dissemination and Publication

Outcome of research from the university shall be disseminated in the following ways:

- i. research bulletin to inform the University community and the general public about on-going research, progress

in research and breakthroughs.

- ii. Communication via mass media including radio and television.

- iii. Publications in relevant and outstanding journals or books published by reputable world-class publishers;

- iv. Publication on the University website

### Research Handling and Record Keeping

The following shall be encouraged in this regard:

- i. Strict adherence to ethical standards and high levels of integrity in research reporting.

- ii. Provision of data to the Directorate of RID for audit purposes.

- iii. Research data shall be archived by the Directorate.

- iv. Maintaining a database of research and researchers, including research linkages.

## DRI&D News

### Two Scholars from Usmanu Danfodiyo University, Sokoto Achieve Top 2% Global Ranking by Stanford University

According to Stanford University, **Abdulkadir A. Rafindadi**, a distinguished Professor of Finance and Energy Economics in the Department of Accounting, Faculty of Management Sciences, Usmanu Danfodiyo University, Sokoto has achieved a remarkable feat by being recognised as one of the top 2% most-cited scientists globally. The latest update in 2023 places Prof. Rafindadi at an impressive ranking of No. 3,486 in the field of Energy and Economics for total citations, further solidifying his influential contributions. Additionally, he secured an outstanding position of No. 734 for a single-year impact, reflecting the exceptional impact of his work.

Adding to this prestigious recognition, **Mustapha Umar Imam**, an Associate Professor in Nutrigenomics and Epigenetics at the Department of Medical Biochemistry within the Faculty of Basic Medical Sciences has achieved notable recognition. Dr. Imam has been included in the prestigious list representing the top 2% of the world's most-cited scientists. Dr. Imam has been particularly commended in his disciplines, securing an impressive ranking of No. 131 in the fields of Nutrition and Dietetics and Clinical Medicine, highlighting the significant impact of his scholarly contributions

This remarkable achievement marks the fourth consecutive year that these distinguished researchers, Prof. A.A. Rafindadi and Dr. M.U Imam, has been recognised among the top 2% of the most-cited scholars within their respective fields. Their dedication and expertise have propelled them to a prestigious standing on the international stage, marking a proud moment for Usmanu Danfodiyo University, Sokoto and the academic community.

### DRI&D Gets New Deputy Director

The Vice-Chancellor, Prof. L.S. Bilbis has approved the appointment of Prof. Jimoh Hamzat of the Department of Sociology, Faculty of Social Science as Deputy Director, Research and Grant Management with effect from 25th September, 2023.



Prof. A. A. Rafindadi



Dr. Mustapha U. Imam



Prof. Jimoh Hamzat

## Funding Opportunities

### Fellowships

#### TWAS-TUBITAK Postgraduate Fellowship Programme

The Scientific and Technological Research Council of Turkey (TUBITAK) and TWAS have established a fellowship programme for foreign scholars from developing countries who wish to pursue research toward a PhD in a field of the natural and related applied sciences, in departments and laboratories of public and private universities of Turkey and TUBITAK Research Centers and Institutes. Closing date of this fellowship call is 25 December 2023. For more information and how to apply, visit <https://twas.org/opportunity/twas-tubitak-postgraduate-fellowship-programme>

#### Training and Research in Italian Laboratories (TRIL)

The Training and Research in Italian Laboratories (TRIL) Programme offers scientists from developing countries the opportunity to undertake training and research in an Italian laboratory in different branches of the physical sciences. Fellows receive a monthly grant in Euro to cover their living costs, such as lodging, meals, local travel and incidentals while on the fellowship, as follows: Euro 1,300 for students pursuing a Ph.D. (or its equivalent), Euro 1,500 for scientists with a Ph.D. degree less than 5 years, and Euro 1,600 for scientists with a Ph.D. degree more than 5 year. The deadline for application is 31 December 2023. For more information and how to apply, visit <https://www.ictp.it/opportunity/training-and-research-italian-laboratories-tril>

## Commonwealth PhD Scholarships

Commonwealth PhD Scholarships are for applicants from least developed countries and fragile States in the Commonwealth, for full-time doctoral study at a UK university. The deadline for application is 17 October 2023. For more information and how to apply, visit

<https://cscuk.fedo.gov.uk/scholarship/s/commonwealth-phd-scholarships-for-least-developed-countries-and-fragile-states/>

## TWAS-TUBITAK Postdoctoral Fellowship Programme

The Scientific and Technological Research Council of Turkey (TUBITAK) and TWAS have established a fellowship programme for foreign scholars from developing countries who wish to pursue postdoctoral research in a field of the natural and related applied sciences in the departments and laboratories of public and private universities of Turkey and TUBITAK Research Centers and Institute. The call for applications deadline is 25 December 2023. How to apply, visit

<https://twas.org/opportunity/twas-tubitak-postdoctoral-fellowship-programme>

## Chevening Scholarships

Chevening Scholarships enable outstanding emerging leaders from all over the world to pursue one-year master's degrees in the UK. Whilst there is no 'typical' Chevening Scholar, they are looking for the kind of people who have the passion, ideas, and influence to provide the solutions and leadership needed to create a better future. The deadline for application is 7th November 2023. For more information, visit

<https://www.chevening.org/scholarships/>

## Funding Opportunities

### Research grants

#### General Research Grants

Applications for research scholarships can be made directly by Postdocs or scholars with Post-Doctoral Lecturer qualifications. A research scholarship is usually applied for by one scholar who will work on a specific project on his own. Institutional affiliation is not necessary. The simultaneous receipt of a salary or retirement pension and a research scholarship is not possible. The application deadline for the Foundation committees spring meeting in 2023 is 22 November 2023. For more information and how to apply, visit

<https://www.gerda-henkel-stiftung.de/en/researchscholarships>

#### Global Seed Funds in Africa

The MIT-Africa Seed Fund supports innovative projects that will help lay the foundations for new research and education initiatives between MIT and African collaborators. This fund is offered annually by the Office of the Associate Provost for International Activities in association with the MIT-Africa Distinguished Visitors Programme. Funding of up to US\$50,000 is awarded. The deadline for application is 12th December 2023. For more information and how to apply, visit

<https://misti.mit.edu/faculty-funds/available-funds/gsf-africa>

#### Biomedical Research Projects

Applications are invited for Biomedical Research Projects grants. The MND Association supports biomedical research on Amyotrophic Lateral Sclerosis and related conditions, in all relevant disciplines. £255,000 of funding will be offered for up to three years duration. The deadline to submit application is 27 October 2023. For more information, visit

<https://www.mndassociation.org/research-for-researchers/apply-for-funding>

#### CIFAR Azrieli Global Scholars Program

CIFAR invites outstanding early-career researchers from across the natural, biomedical, life and social sciences and the humanities to join one of our interdisciplinary research programmes that address some of the most important questions facing science and humanity. All CIFAR Azrieli Global Scholars receive \$100,000 CAD in unrestricted research support over two years. The deadline for application is October 30, 2023. For more information and how to apply, visit

<https://cifar.ca/next-generation/global-scholars/>

#### Consolidation Grant

Leading House (LH) Africa is inviting applications for Consolidation Grant. This grant is available to researchers who have more than 5 years of post-doctoral research experience and are affiliated with a Swiss Institution of Higher Education. Funding of up to CHF 40,000 is awarded.

Submission deadline is 3 November 2023 (17:00 CET). For more information and how to apply, visit <https://www.swisstph.ch/en/research/leading-house-africa/open-calls/>

### German-African Cooperation Projects in Infectiology

The Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) calls for draft proposals of joint research projects between researchers in Germany and Africa. The DFG primarily seeks to encourage researchers in human and veterinary medicine to apply for funding of projects on the investigation of neglected tropical infectious diseases. Draft proposals must be submitted via the DFG's electronic proposal processing system elan by 30 October 2023. For more information and how to apply, visit [https://www.dfg.de/en/research\\_funding/announcements\\_proposals/info\\_wissenschaft\\_23\\_56/index.html](https://www.dfg.de/en/research_funding/announcements_proposals/info_wissenschaft_23_56/index.html)

### Global Call for Research Proposals: Innovative Veterinary Solutions for Antimicrobial Resistance (InnoVet-AMR) 2 in Food-Producing animals: Ruminants and Aquaculture

The International Development Research Centre (IDRC) is pleased to announce a call for full proposals on Innovative Veterinary Solutions for Antimicrobial Resistance (InnoVet-AMR) 2.0 in Food-Producing Animals: Ruminants and Aquaculture. Innovative Veterinary Solutions for Antimicrobial Resistance (InnoVet-AMR) is a four-year, CAD26.3 million partnership between IDRC and the UK Department of Health and Social Care (DHSC). The deadline for applications is October 30, 2023. Funding of up to CAD1.6 million will be issued. For more information and how to apply, visit <https://idrc-crri.ca/en/funding/global-call-research-proposals-innovative-veterinary-solutions-antimicrobial-resistance>

### World Cancer Research Fund International

World Cancer Research Fund International manages and administers the Regular Research Grant Programme on behalf of World Cancer Research Fund Network charities. IIGs are awarded to Principal Investigators for a maximum of £350,000 for up to four years, with a limit of £100,000 for any one year. Pilot and Feasibility Grants are for a maximum of £60,000 in total for up to two years. Deadline for the outline of applications: 6 November 2023. For more information and how to apply, visit <https://www.wcrf.org/research-we-fund/grant-programmes/apply-for-a-research-grant/>

### The German-African Innovation Incentive Award –GAIIA

The 'German-African Innovation Incentive Award' is an instrument of the BMBF to strengthen innovative research in Africa and to translate research results into practical solutions that benefit African societies. The award is given

with a grant of up to 150,000 euros for a joint two-year research and innovation project. The deadline for applications is November 7, 2023. For more information and how to apply, visit

<https://www.internationales-buero.de/en/german-african-innovation-incentive-award-gaiaa.php>

### **Bilateral Exchange of Academics**

The purpose of the Bilateral Exchange of Academics is to improve international relations and bilateral research cooperation between German and foreign universities; the DAAD supports exchanges of scientists and academics from partner countries. The basis of these exchanges is cultural exchange programmes and bilateral agreements with international partner organisations. The deadline for application is 15th November 2023. For how to apply, visit <https://www2.daad.de/deutschland/stipendium/datenbank/en/21148-scholarship-database/?origin=79&status=2&subjectGrps=&daad=&q=&page=1&detail=50015508#prozess>

### **Development of carbon fixation technologies for biogenic flue gases**

Development of biological and chemical solutions to use the effluent gases from bioenergy combustion systems and upgrade biogenic carbon emissions for the production of renewable energy carriers with renewable hydrogen for later reuse as feedstock for energy needs and achieving carbon circularity. The total budget is EUR 8,000,000 to be shared among 2 researchers at around EUR 4,000,000. The application deadline is 16 January 2024. For more information and how to apply, visit <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2024-d3-01-05;callCode=null;freeTextSearchKeyword=:matchWholeText=true:typeCodes=1,2,8;statusCodes=31094501;programmePeriod=null;programmeCcm2Id=nu>

### **Africa-EU CO-FUND action**

Following the EU commitments under the Paris Agreement, Agenda 2030 on Sustainable Development, and the post-Cotonou Agreement, the renewed objective to evolve current forms of cooperation into equal footing partnerships between Africa and Europe, the current research and innovation cooperation between Europe and Africa in the field of renewable energy needs to be further strengthened and developed. The total budget is EUR 10 000 000. The application deadline is on 16 January 2024. For more information and how to apply, visit <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2024-d3-01-09;callCode=null;freeTextSearchKeyword=:matchWholeText=true:typeCodes=0,1,2,8;statusCodes=31094501;programmePeriod=null;programmeCcm2Id=>

### **Demonstration of improved intermediate renewable energy carrier technologies for transport fuels**

Demonstration of technologies for the production of advanced intermediate bioenergy and synthetic renewable energy carriers from biogenic residues and wastes, microalgae, biogenic CO<sub>2</sub> or nitrogen, and renewable hydrogen and all forms of renewable energy with reduced cost and GHG emissions above the state of the art. The total budget is EUR 20,000,000 to be shared among 2 researchers at around EUR 10,000,000. The application deadline is 16 January 2024. For more information and how to apply, visit <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2024-d3-01-03;callCode=null;freeTextSearchKeyword=:matchWholeText=true:typeCodes=1,2,8;statusCodes=31094501;programmePeriod=null;programmeCcm2Id=nu>

### **Improvement of light harvesting and carbon fixation with synthetic biology and/or bio-inspired/biomimetic pathways for renewable direct solar fuels production**

Development of novel in-vivo or in-vitro biochemical and/or bio-inspired/biomimetic pathways for solar fuel production with increased efficiency in comparison to light and dark reactions of natural photosynthesis by synthetic biological and/or bio-inspired/biomimetic approaches. The total budget is EUR 8,000,000 to be shared among 2 researchers at around EUR 4,000,000. The application deadline is on 16 January 2024. For more information and how to apply, visit <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2024-d3-01-04;callCode=null;freeTextSearchKeyword=:matchWholeText=true:typeCodes=1,2,8;statusCodes=31094501;programmePeriod=null;programmeCcm2Id=43>

### **Biodegradable polymers for sustainable packaging materials (IA)**

Proposals should address at least four of the following activities: Develop new, demonstrate, and scale-up novel advanced bio-degradable polymer materials and innovative processes that will allow the bio-degradable polymers to be produced at a large scale with a similar economy of scale to replace present production with PE, PP, and PET. The total budget is EUR 31,000,000 to be shared among 4 researchers at around EUR 6,000,000 to 8,000,000. The application deadline is 07 February 2024. For more information and how to apply, visit <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl4-2024-resilience-01-35;callCode=null;freeTextSearchKeyword=:matchWholeText=true:typeCodes=1,2,8;statusCodes=31094501;programmePeriod=null;programmeC>

## **TWAS Fellowships for Research and Advanced Training**

TWAS offers fellowships to young scientists in developing countries to enable them to spend three to 12 months at a research institution in a developing country other than their own. The purpose of these fellowships is to enhance the research capacity of promising scientists, especially those at the beginning of their research careers, helping them to foster links for further collaboration. The deadline for application is October 9, 2023. For more information and how to apply, visit <https://twas.org/opportunity/twas-fellowships-research-and-advanced-training>

## **AUT Doctoral Scholarship**

AUT provides doctoral scholarships to highly achieving doctoral research students to AUT University in order to encourage and stimulate doctoral studies in areas of the University's research capability. There are three closing dates in 2023 – 1 March, 15 July and 1 November. The deadline for application is October 9, 2023. For more information and how to apply, visit <https://www.aut.ac.nz/study/fees-and-scholarships/scholarships-and-awards-at-aut/doctoral-scholarships#Who-can-apply>

## **African Career Acceleration Fellowships**

The Crick Africa Network (CAN) is offering African Career Acceleration Fellowships supported by LifeArc for early-career biomedical scientists to develop translational scientific programmes and become independent scientists. The fellowships will cover salary, research costs, research assistant salary, and travel and subsistence costs. Applications are now open until 12 November 2023. For more information and how to apply, visit <https://www.crick.ac.uk/research/research-partnerships/strategic-partnerships/crick-africa-network/african-career-acceleration-fellowships>

## International PhD Programme Institute of Molecular Biology

IMB is always on the lookout for exceptionally bright and ambitious postdocs who are eager to face the challenges of working at the forefront of science in an international environment. IMB is an international institution whose working language is English. Therefore, applicants need to be able to communicate in this language. The deadline for application is 8 November 2023. For more information and how to apply, visit <https://www.imb.de/students-postdocs/international-phd-programme/apply-to-ipp/>

## Apply to PhD Okinawa Institute of Science and Technology Graduate University (OIST)

The basic requirement for the OIST Graduate Programme is the completion of a Bachelor, Master or equivalent degree prior to the admission date. Students may submit an application at any time. Your application will be considered at the next admissions committee meeting. The deadline for application is November 15th 2023. For more information and how to apply, visit <https://admissions.oist.jp/apply-phd>

## Call for applications

The IMPRS NeuroCom aims to recruit and educate motivated, independent, self-organised and highly talented scientists who wish to extend their knowledge and research experience in a structured 3-year PhD programme in order to pursue a successful career in cognitive neuroscience, clinical neuroscience, neurophysics, or other methods in cognitive neuroscience. The deadline for applications is 15 November 2023. For more information and how to apply, visit <https://imprs-coni.mpg.de/90532/call-for-applications>

# Funding Opportunities

## Awards and Prizes

### Career Development Award

The Career Development Award (CDA) provides research funding to clinical investigators, who have received their initial faculty appointment, as they work to establish an independent clinical cancer research program. This research must have a patient-oriented focus, including a clinical research study and/or translational research involving human subjects. Funding of up to \$200,000 is available to pay for personnel and/or research expenses and travel to attend the Conquer Cancer Grants and Awards Ceremony at the ASCO Annual Meeting. The application deadline is October 19, 2023. For more information and how to apply, visit <https://old-prod.asco.org/career-development/grants-awards/funding-opportunities/career-development-award>

### IASP Award for Excellence in Pain Research and Management in Developing Countries

This award is presented to an individual or a team that has achieved an outstanding level of excellence in pain-related programmes in a developing country. This award is presented to an individual or a team that has achieved an outstanding level of excellence in pain-related programmes in a developing country. The recipient receives complimentary IASP World Congress on Pain registration and a travel grant of up to US\$10,000 toward the cost of attendance at Congress. The deadline for application is 30 October 2023. For more information and how to apply, visit <https://www.iasp-pain.org/resources/grants-awards/iasp-award-for-excellence-in-pain-research-and-management-in-developing-countries/>

### 2024 Millennium Technology Prize

The Call for nominations for the 2024 Millennium Technology Prize is open. The Millennium Technology Prize is awarded for groundbreaking technological innovations that benefit people globally and improve life on the planet in a sustainable way. Inviting nominations from around the world, from all fields of technology, excluding military technology. The Call for nominations is open until Tuesday 31 October 2023. For more information and how to apply, visit <https://millenniumprize.org/prize/make-a-nomination/>

### International Award Biochemical Society

The International Award is presented annually and recognises outstanding and independent research that illustrates the importance of molecular biosciences in the advancement of life sciences research. The research should have been conducted outside of the UK and Ireland by a scientist of any nationality. The recipient will be expected to

act as an ambassador for the Biochemical Society's international activities. The initial nominations will be submitted via an online form by 1 November 2023 and the full nominations for shortlisted candidates by 31 January 2024. For more information and how to apply, visit <https://www.biochemistry.org/grants-and-awards/awards/awards-listing/international-award/>

### Teaching Excellence Award Biochemical Society

Teaching Excellence Awards recognise individual excellence, commitment to continuing professional development, commitment to students and colleagues, and sustained and continued impact. Teaching Excellence Awards are presented annually to an employee in Higher Education. The initial nominations will be submitted via an online form by 1 November 2023 and the full nominations for shortlisted candidates by 31 January 2024. For more information, visit <https://www.biochemistry.org/grants-and-awards/awards/awards-listing/teaching-excellence-awards/>

### Georg Forster Research Prize

The Alexander von Humboldt Foundation annually awards up to six Georg Forster Research Awards to internationally leading research personalities from emerging and developing countries and honours their overall work to date. The prize money is 60,000 euros. The award winners are also invited to carry out research projects of their own choosing at a scientific institution in Germany together with their colleagues there. The nomination period usually ends on October 31 of each year. For more information and how to apply, visit <https://www.humboldt-foundation.de/bewerben/foerderprogramme/georg-forster-forschungspreis>

### Early Career Research Awards Biochemical Society

Early Career Research Awards recognise the impact of research carried out in molecular biosciences by early career scientists. It is expected that successful candidates will have produced international-quality research outputs, and be able to demonstrate ambitions and aspirations consistent with the potential to achieve world-leading status. Candidates can include senior postdoctoral research fellows or researchers starting their first independent post and have limited funding. The initial nominations will be submitted via an online form by 1 November 2023 and the full nominations for shortlisted candidates by 31 January 2024. For more information and nomination, visit <https://www.biochemistry.org/grants-and-awards/awards/awards-listing/early-career-research-awards/>