

Post Doctoral Research Associate – Perovskite and Organic Solar Cells Research

The Department of Physics of Masinde Muliro University of Science and Technology (MMUST) invites applications for one Postdoctoral Research Associate (PDRA) position under the Africa–UK Physics Partnership (AUPP) Collaborative Projects funding framework. The position is supported through the project titled REsilience through Synchrotron Techniques for African Research & Technology (RESTART), which aims to strengthen African scientific capacity in preparation for the realization of the African Light Source (AfLS).

The successful candidate will join a cohort of emerging African researchers expected to contribute significantly to the AfLS initiative. The PDRA will focus on the fabrication of perovskite and/or organic solar cells, with emphasis on improving fabrication reproducibility, operational stability, and power conversion efficiency. In addition, the candidate will be expected to prepare and submit synchrotron beamtime proposals to facilities such as the Diamond Light Source and the European Synchrotron Radiation Facility.

Dr. Victor Odari (MMUST) and Prof. Benjamin Agyei-Tuffour, University of Ghana (UG) will jointly supervise the PDRA.

Qualifications:

- PhD, Physics, Chemistry, or a closely related discipline

Experience and Knowledge:

Applicants should demonstrate:

- Experience in fabrication and characterization of perovskite and/or organic solar cells
- Strong aptitude for scientific instrumentation
- Intermediate computer programming skills

Application Requirements:

Applicants should submit:

- A comprehensive CV, including a publication list
- A motivation letter outlining suitability for the position
- Names and contact details of at least three referees

Applications should be submitted by email to the address provided below.

Closing Date:

8 May 2026

Additional Information

This position offers a stimulating research environment and a competitive remuneration package commensurate with qualifications and experience. The appointment is for two years.

As the position contributes directly to the African Light Source initiative, applicants should be African nationals or willing to reside in Africa to support AfLS development. The successful candidate is expected to take up the position as soon as possible.

Enquiries:

- Dr. Victor Odari, email: vodari@mmust.ac.ke