Synchrotron light for sustainable energy and health in Africa

The GCRF-START project aims to

• Build scientific research collaborations
• Discover new ways of treating diseases and capturing energy
• Reach a diverse community of scientists, industry and the public
• Build synchrotron science expertise in Africa

Visit our website:
www.START-project.org
Find out more:
GCRF_START@diamond.ac.uk
African-UK partnerships in Structural Biology research

**Structural Biology**
- Solving fundamental problems in diseases
- Understanding protein structures
- Developing biotechnology

**Synchrotron techniques**
- Crystallography
- Cryo-electron microscopy
- BioSAXS: Bio Small Angle X-ray Scattering
- Fragment Screening
- Cell imaging

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African-UK partnerships in Energy Materials research

Energy Materials
- Novel materials
- Photovoltaics, energy storage and catalysts
- Testing materials in realistic conditions

Synchrotron techniques
- X-ray powder diffraction
- Pair Distribution Function
- Spectroscopy
- X-ray reflectivity
- Grazing Incidence Wide-angle X-ray Scattering

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