



UNIVERSITY OF
LIVERPOOL

SCHOOL OF BIOLOGICAL SCIENCES

SEMINAR

MONDAY 19TH JANUARY @ 5.30PM IN LECTURE THEATRE 2,
LIFE SCIENCES BUILDING

**The Speaker is Dr. Tetsuya Ishikawa,
Director of RIKEN SPring-8 Center, Japan.**



Title: Compact X-Ray Free Electron Laser in Japan

Japan is constructing an XFEL to emit 20 keV x-rays. Adopting in-vacuum undulators and C-band accelerator tube made the length of the total facility less than 1/3 of the similar US and European facilities. A 1/32 scale prototype FEL has already been constructed and in operation at 60 nm wavelength. Some development toward the seeded source is in progress using higher harmonics of the conventional short-pulse lasers. The present state of the construction project will be introduced together with other photon-science activities in Japan.

Everyone is welcome to attend.