

## **Session Program**

**14-16 Oct 2020**



# **11th International Workshop on X-ray Radiation Damage to Biological Samples - RD11**

## ***Session 1 - Biological Studies Affected by Radiation Damage***

Paul Scherrer Institut, WBGB/019  
Forschungsstrasse 111 5232 Villigen PSI Switzerland

## Wednesday 14 October

14:20

### Session 1 - Biological Studies Affected by Radiation Damage

**Session** | **Location:** Paul Scherrer Institut, WBGB/019, Forschungsstrasse 111 5232 Villigen PSI Switzerland

14:20–14:40

#### **X-ray free electron lasers reveal the molecular mechanism for water oxidation in photosystem II**

**Speaker**

Michi Suga

14:50–15:10

#### **X-ray induced radiation damaged on metal centers in proteins**

**Speaker**

Kristina Carugo

15:40–16:00

#### **Approaches for following X-ray induced reactions in crystallo**

**Speaker**

Dr Robin Owen

16:10–16:30

#### **Applications of Room Temperature Serial Crystallography to Metalloproteins using Silicon Fixed Targets at Synchrotron and XFEL beamlines**

**Speaker**

Dr Mike Hough

16:40–17:00

#### **X-ray footprinting of proteins: using hydroxyl radical damage to infer structural conformation**

**Speaker**

Corie Ralston

17:15