Wednesday 14th March		
13:00	**13:10**	Welcome by Local Organisers **(Robin Owen & Armin Wagner)**
13:10	**13:20**	Welcome by the Director of Life Sciences at Diamond Light Source **(Dave Stuart)**
13:20	**13:40**	Setting the Scene for RD7 (**Colin Nave**)
13:40	**14:40**	**Session 1 - Basic Understanding of Radiation Damage Mechanisms**
13:40	**14:10**	**Frank von Delft** *Leaving Group Effect in Specific and Global Damage Suggested by UV and X-ray Damage Signatures*
14:10	**14:40**	**Armin Wagner** *X-ray induced hydrogen abstraction from the nucleotide Thymidine*
14:40	**15:10**	Coffee Break: Diamond atrium
15:10	**15:40**	**Ian Carmichael** Radiation chemistry in crystallization screens
15:40	**16:10**	**Chitra Rajendran** *Systematic temperature dependent and radiation damage studies of Lipidic Cubic Phase*
16:10	**16:40**	**James Holton** *A simple case of radiation damage*
16:40	**17:25**	Coffee Break: Diamond Atrium
17:25	**17:55**	**Kristina Djinović-Carugo** X-ray induced activation of carbonic anhydrase
17:55	**19:00**	**Session 2 - Damage at New Sources - XFEL**
17:55	**18:35**	**Henry Chapman** *X-ray Imaging Beyond the Limits*
18:35	**19:00**	**Lukas Lomb** *Structure determination and radiation damage in serial femtosecond crystallography*
19:00		Transport to Abingdon - Delegates to organise own dinner

Thursday 15th March	
09:30 - 11:30	**Session 3 - Practical Aspects of Managing Radiation Damage**
09:30 - 10:00	**Zbyszek Otwinowski** *Seeing is believing–outcomes of correcting for radiation damage in diffraction data*
10:00 - 10:30	**Sasha Popov** *Routine measurements of radiation damage in macromolecular crystals at cryo and room temperature*
10:30 - 11:00	**Tom Burnley** *Ensemble refinement of protein crystal structures in PHENIX*
11:00 - 11:30	Coffee break
11:30 - 14:30	**Session 4 - Reducing and Mitigating Radiation Damage**
11:30 - 12:00	**Enrique Rudno-Pinera** *Crystallographic Evidence for Proton-Relay Mechanism in the O2 Reduction to H2O by a multicopper oxidase from Thermus thermophilus HB27*
12:00 - 12:30	**Elspeth Garman** *To scavenge or not to scavenge, that is STILL the question*
12:30 - 13:00	**Kunio Hirata** *Strategy for efficient data collection from tiny protein crystals using helical data collection method*
13:00 - 14:00	Lunch andPoster Session - Diamond Atrium
14:00 - 14:30	**Robin Owen** *Can we outrun radiation damage at room temperature?*
14:30 - 15:00	**Matt Warkentin** *Time-dependent global radiation damage: Can it be outrun?*
15:00 - 0.958	**Session 5 - Radiation Damage in Complementary Fields**
15:00 - 15:30	**Dominique Bourgeois** *X-activated structural dynamics in fluorescent proteins*
15:30 - 16:15	**Coffee Break**
16:15 - 16:45	**Richard Henderson** Radiation damage in electron microscopy and diffraction
16:45 - 17:15	**Raimond Ravelli** *Radiation damage studies in cryo-electron microscopy*
17:15 - 17:45	**Liz Duke** *Radiation Damage in Soft X-ray Microscopy*
17:45 - 18:15	**Eddie Snell** *Radiation damage in Small Angle X-ray Scattering (SAXS): Influence, identification and mitigation*
18:15 - 18:30	Poster Session
18:15	Bus to Cosener's House, Abingdon
19:00	Drinks and Conference Dinner at Cosener's House, Abingdon

Friday 16th March			
09:30	**-**	**12:30**	**Session 6 - Temperature-Dependent (including RT) Radiation Damage**
09:30	**-**	**10:00**	**Rob Thorne** *Temperature dependence of radiation damage: Implications for damage mechanisms and damage mitigation*
10:00	**-**	**10:30**	**Tatiana Petrova** *X-ray-induced cooperative atomic movement and site-specific damage to protein crystals at 15 and 100 K and their relation with overall crystal damage*
10:30	**-**	**11:00**	**Paul Carr** *Protein dynamics, radiation damage and catalytic turnover of diethylumbellifereryl phosphate in the active site of the aE7 carboxylesterase from Lucilia cuprina derived from X-ray data.*
11:00	**-**	**11:30**	Coffee break
11:30	**-**	**12:00**	**Marius Schmidt** *Radiation Damage in Room Temperature Time-Resolved Macromolecular Crystallography*
12:00	**-**	**12:30**	**Wrap Up (Martin Weik & Elspeth Garman)**