

EPSRC CoCoChem Summer School
Coherent Control of Molecules
 Monday 20 April - Wednesday 22 April 2009

University College London

	Monday	Tuesday	Wednesday	Thursday
9.00-10.00	HHF / BJW	GAW 2	RdVR 2	One-day symposium: Molecular dynamics and control
10.00-11.00	JWT 1	JWT 2	MD 3	
11.00	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>	
11.30-12.30	MD 1	MD 2	MD 4	
12.30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	
14.00-15.00	GAW 1	RdVR 1	<i>Free afternoon / COST symposium</i>	
15.00-16.00	RT 1	RT 3		
16.00	<i>Tea</i>	<i>Tea</i>		
16.30-17.30	RT 2	RT 4		
17.30	<i>Posters and pre-dinner drink</i>	<i>Posters and pre-dinner drink</i>		
19.00	<i>Dinner</i>	<i>Dinner</i>	<i>Conference dinner (drinks reception 18.30)</i>	

Helen Fielding (HHF)
 Welcome

Benjamin Whitaker (BJW)
 Coherent control: Overview and outlook

John Tisch (JWT)
 JWT 1: Ultrafast laser technology
 JWT 2: Light-matter interactions

Marcos Dantus (MD)
 MD 1: The link between multiphoton intrapulse interference (MII) and coherent control
 MD 2: Pulse characterization using multiphoton intrapulse interference phase scan
 MD 3: Coherent control in condensed phases: Two photon microscopy and CARS
 MD 4: Controlling chemical reactions

Graham Worth (GAW)
 GAW 1: Quantum dynamics simulations I: Solving the time-dependent Schrödinger equation
 GAW 2: Quantum dynamics simulations II: Interpreting and analyzing results

Rick Trebino (RT)
 RT 1: Measuring ultrashort laser pulses: Autocorrelation
 RT 2: Measuring ultrashort laser pulses: FROG
 RT 3: Measuring ultrashort laser pulses: Interferometry
 RT 4: Measuring ultrashort laser pulses: Interferometry continued

Regina de Vivie-Riedle (RdVR)
 RdVR 1: Concepts of optimal control theory (OCT) in time and frequency domain
 RdVR 2: Comparison of theoretical (OCT based) and experimental (GA based) search space