

## 2019 Medicinal Chemistry Residential School

### Sunday 02 June

17:00	Arrival and Registration
18:00	Welcome Reception
19:00	Dinner (Burleigh Court main restaurant– residents only)

### Monday 03 June

08.00	Registration
08:45	Course Introduction <i>Simon Ward (Cardiff University)</i>
09:00	Lecture: An Introduction to Pharmacokinetics <i>Ruth Lock (Aucuba Sciences) and Britta Bonn (AstraZeneca)</i>
10:30	COFFEE
11:00	Lecture: Drug Metabolism and the Fate of Drugs <i>Ruth Lock (Aucuba Sciences) and Britta Bonn (AstraZeneca)</i>
12:30	LUNCH – Holywell Park Main Restaurant
13:30	Lecture: Controlling physicochemical properties for small molecule drug design <i>Andy Davis (AstraZeneca)</i>
14:30	TEA
15:00	Tutorial: DMPK1 –/ <i>Ruth Lock (Aucuba Sciences)/ Britta Bonn (AstraZeneca)</i> SAR1 – <i>Simon Ward (Cardiff University) / Tony Mete (Medsyn design)</i> PPDD1 – <i>Andy Davis (AstraZeneca)</i>
17:00	Poster Session Wine reception and buffet dinner (all delegates)
19:00	Close

### Tuesday 04 June

09:00	Lecture: 'Beyond the rules?' <i>Andy Merritt (LifeArc)</i>
10.00	COFFEE
10:30	Tutorial: DMPK2 – <i>Ruth Lock (Aucuba Sciences)/ Britta Bonn (AstraZeneca)</i> SAR2 – <i>Simon Ward (Cardiff University) / Tony Mete (Medsyn design)</i> PPDD2 – <i>Andy Davis (AstraZeneca)</i>
12:30	LUNCH – The Babbage Room

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<b>13:30</b>	<b>Lecture: Biological targets and their impact on medicinal chemistry</b> <i>Simon Ward (Cardiff University)</i>
<b>14:30</b>	<b>Case Study: Phenotypic drug discovery for the development of preclinical candidates for visceral leishmaniasis</b> <i>Mike Thomas (University of Dundee)</i>
<b>15:30</b>	TEA
<b>16:00</b>	<b>Tutorial:</b> <b>DMPK3 –Ruth Lock (Aucuba Sciences)/ Britta Bonn (AstraZeneca)</b> <b>SAR3 –Simon Ward (Cardiff University) / Tony Mete (MedsynDesign)</b> <b>PPDD3 – Andy Davis (AstraZeneca)</b>
<b>18:00</b>	Close
<b>18:30</b>	DINNER- Burleigh Court main restaurant (residents only)
<b>19:30 – 20:45</b>	<b>Evening Lecture: Science, Art and Drug Discovery- A Personal Perspective</b> <i>Sir Simon Campbell (Scientific Consultant)</i>

### Wednesday 05 June

<b>09:00</b>	<b>Lecture: Toxicology</b> <i>Mike Kelly (GlaxoSmithKline)</i>
<b>10:00</b>	<b>Lecture: The Fundamentals of Molecular Recognition</b> <i>Darren Green (GlaxoSmithKline)</i>
<b>11:00</b>	COFFEE
<b>11:30</b>	<b>Tutorial:</b> <b>Tox1 – Mike Kelly(GlaxoSmithKline)</b> <b>TV 1 – Nessa Carey (PraxisUnico)</b> <b>CC 1 – Darren Green/Colin Edge (GlaxoSmithKline)</b>
<b>13:30</b>	LUNCH – Holywell Park Main Restaurant
<b>14:30</b>	<b>Tutorial:</b> <b>Tox 2– Mike Kelly(GlaxoSmithKline)</b> <b>TV 2 – Nessa Carey (PraxisUnico)</b> <b>CC 2 – Darren Green/Colin Edge (GlaxoSmithKline)</b>
<b>16:30</b>	TEA (Split groups)
<b>17:00</b>	<b>Case Study: Medicines Discovery within a CRO Environment: Variety is the Spice of Life</b> <i>Nicole Hamblin (Charles River)</i>
<b>18:00</b>	Close
<b>19:30</b>	DINNER- Burleigh Court main restaurant (residents only)

### Thursday 06 June

<b>09:00</b>	<b>Lecture: From Molecule to Crystal to Functional Form</b> <i>Cheryl Doherty (Pfizer)</i>
<b>10:00</b>	<b>Lecture: Patents in Medicinal Chemistry</b>

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	<b>Andy Cook (AstraZeneca)</b>
11.00	COFFEE
11:30	Tutorial: Tox 3–Mike Kelly( <i>GlaxoSmithKline</i> ) TV 3 – Nessa Carey ( <i>PraxisUnico</i> ) CC 3 –Darren Green/Dr Colin Edge ( <i>GlaxoSmithKline</i> )
1:30	LUNCH – The Babbage Room
2:30	Case Study: Introduction to in-licensing <i>David Fox (Vulpine Science and Learning)</i>
17:45	Close
18:30	BUS DEPARTURE TO CONFERENCE DINNER (all delegates)
19:30	CONFERENCE DINNER (all delegates)

### Friday 07 June

08:30	Preparation time for in-licensing case study
09:30	Presentations of the in-licensing case study <i>David Fox (Vulpine Science and Learning)/ Andy Davis (AstraZeneca)/ Simon Ward (Cardiff University)</i>
10:45	Tutorial: Summary of the in-licensing workshop <i>David Fox (Vulpine Science and Learning)/ Andy Davis (AstraZeneca)/ Simon Ward (Cardiff University)</i>
11:15	COFFEE
11:30	Case Study: <i>Discovery of Risdiplam. An exciting journey towards a medicine for SMA</i> <i>Hasane Ratni (F. Hoffmann-La Roche)</i>
12:30	Course Summary <i>Simon Ward (Cardiff University)</i>
13.00	LUNCH – Holywell Park Main Restaurant
14.00	Close

Please note timings and titles are subject to change.