

**Friday 1<sup>st</sup> September – Monday 4<sup>th</sup> September  
The Longmynd Hotel, Church Stretton, Shropshire**



## **2<sup>nd</sup> 'Grass Roots' Educational Event**

The Chromatographic Society will be hosting the 2<sup>nd</sup> 'Grass Roots' educational event in the beautiful market town of Church Stretton from the 1<sup>st</sup> to the 4<sup>th</sup> of September, 2017. This course follows on from the highly successful inaugural Grass Roots meeting last year which was part of a series of events celebrating the Society's Diamond Jubilee year.

The upcoming course will focus on the fundamentals of liquid chromatography and the practical application of the same in industrial and academic settings. Training will be led by practicing separation scientists who are also longstanding leaders in their respective fields: Prof Mel Euerby (Shimadzu), Tony Taylor (Crawford Scientific), Prof Tony Edge (Agilent), and Dr Paul Ferguson (AstraZeneca). While the meeting will be primarily educational, there will also be extensive opportunities for networking, and a social programme that includes walks in the picturesque Shropshire countryside.

Given the educational nature of the event, and to increase its accessibility, the Society will provide a limited number of bursaries to cover the cost of accommodation, meals, registration and a limited travel allowance for the three-day event. These include bursaries for post-graduate students, academic researchers, and Joint Pharmaceutical Action Group (JPAG) bursaries for industrial scientists from SMEs. The bursaries will allow all researchers, regardless of their financial ability, to access what we (and previous attendees) believe will be an exceptional learning experience.

The following sections provide information regarding the course content, registration fees, accommodation, travel and sponsorship packages available. The course will include approximately 20 hours of lectures alongside various hands-on activities and social events. Additional topics (as requested by attendees) may be included in the initial session, or discussed more informally during the walks. We would also be happy to discuss any specific chromatographic queries or issues which you bring from your workplace. All meals will be served at the Longmynd Hotel.

## **Event Programme**

<http://www.chromsoc.com/ChromsocEvents.aspx>



<https://twitter.com/chromsoc>

<b>Date/Time</b>	
<b>Fri 1<sup>st</sup> Sept</b>	
<b>14:00</b>	<b>Registration opens at Longmynd Hotel</b>
<b>17:00</b>	<b>Introduction to course</b> Introduction to course and presenters Course goals and attendee course expectations Importance of physico-chemical analyte parameters
<b>18:15</b>	<b>Break</b>
<b>19:15</b>	<b>Dinner</b>
<b>20:15</b>	<b>Scientific session 1</b> Chromatographic exercise – thinking about the analyte and the separation
<b>22:00</b>	<b>Social event</b>
<b>Sat 2<sup>nd</sup> Sept</b>	
<b>8:00</b>	<b>Breakfast</b>
<b>9:00</b>	<b>Scientific session 2</b> Basic LC theory & nomenclature Chromatographic calculations Books & resources
<b>11:00</b>	<b>Tea Break</b>
<b>11:15</b>	<b>Scientific session 3</b> Overview of LC components Hands-on tour of the LC
<b>13:30</b>	<b>Lunch</b>
<b>14:00</b>	<b>Walk to Long Mynd</b>
<b>18:00</b>	<b>Scientific session 4</b> Modes of chromatography – RP to NP and everything in between
<b>19:00</b>	<b>Dinner</b>
<b>20:15</b>	<b>Scientific session 4 (contd)</b> Modes of chromatography – RP to NP and everything in between
<b>21:30</b>	<b>Social event</b> The hostelrys of Church Stretton



<b>Sun 3<sup>rd</sup> Sept</b>	
<b>8:00</b>	<b>Breakfast</b>
<b>9:00</b>	<b>Scientific session 5</b> Mobile phase separation and considerations Sample introduction
<b>11:00</b>	<b>Tea Break</b>
<b>11:15</b>	<b>Scientific session 6</b> Understanding the resolution equation N term – van Deemter, particle size and flow considerations Retention factor – log k vs % organic relationship
<b>13:30</b>	<b>Lunch</b>
<b>14:00</b>	<b>Walk to Caradoc &amp; Raglith</b>
<b>18:00</b>	<b>Scientific session 7</b> The $\alpha$ – the stationary phase
<b>19:15</b>	<b>Dinner</b>
<b>20:15</b>	<b>Scientific session 7 (contd)</b> The $\alpha$ term – mobile phase and temperature
<b>21:30</b>	<b>Careers session (sponsored by VRS)</b> Interview technique and presentation skills – what to say and what not to say
<b>Mon 4<sup>th</sup> Sept</b>	
<b>8:00</b>	<b>Breakfast</b>
<b>9:00</b>	<b>Scientific session 8</b> Isocratic vs gradient LC
<b>11:00</b>	<b>Tea Break</b>
<b>11:15</b>	<b>Scientific session 9</b> Practical hints and tips – ‘golden nuggets’ Course close
<b>13:15</b>	<b>Departure</b>



## Registration Fees

- **Full registration** **£550**
- **ChromSoc and PASG bursary registration** **£300**

### Registration includes:

Accommodation for 3 nights (Fri-Sun) at the Longmynd Hotel  
All meals and course refreshments (breakfast, packed lunch and evening dinner)  
Course notes & certificate of attendance  
ChromSoc membership for 1 year

**To register:** [www.chromsocshrewsbury.com](http://www.chromsocshrewsbury.com)

### Industrial sponsorship:

Thanks to the generosity of our industry sponsors, a limited number of industrially sponsored places are being offered to students (post-graduate and undergraduate, if the later have accepted a post-graduate or industrial position related to separation science). These will cover the cost of the full registration.

### ChromSoc and JPAG Bursaries are available for this event:

<http://www.chromsoc.com/academic-support.aspx>

A limited number of ChromSoc bursaries are being offered to students (post-graduate and undergraduate, if the later have accepted a post-graduate or industrial position related to separation science). These will cover part of the registration fee, reducing the fee to £300.

JPAG bursaries are available for attendees working at SMEs; these will be discounted from the course cost and the residual will be provided for accommodation at or travel to the event.

To apply for sponsorship or bursaries please contact Jo Spencer ([jo@jospencerpr.co.uk](mailto:jo@jospencerpr.co.uk)) for more information and application forms.

## Transport, Accommodation and Access Information

### Rail and road

<http://www.chromsoc.com/ChromsocEvents.aspx>



<https://twitter.com/chromsoc>

Arriva Trains Wales manages services to Church Stretton station from Manchester, Shrewsbury, Crewe, Swansea and Cardiff. The Longmynd Hotel is a 20 minute walk from the station. The town is easily accessible by road, and is located 13 miles south of Shrewsbury and 15 miles north of Ludlow (off the A49 trunk road).

<http://www.chromsoc.com/ChromsocEvents.aspx>



<https://twitter.com/chromsoc>