



**Member Networks Annual Report Form**  
*Reporting events held in 2017 and those planned for 2018*

<b>Committee</b>	Colloid & Interface Science Group (CISG)
<b>Completed by</b>	Christopher Blanford
<b>Date</b>	1 Feb 2018

Please list below the dates of all of your planned committee meetings and, if held, AGM.

**Annual General Meeting**

<b>Date:</b>	26 March 2018, 12:30 pm
<b>Venue:</b>	SCI, 15 Belgrave Square, Belgravia, London SW1X 8PS

**Proposed Committee Meetings Dates**

<b>Date</b>	<b>Venue</b>
Tuesday, 27 March 2018	RSC, Burlington House, London
mid-June 2018 (date TBD)	SCI, Belgrave Square, London (TBC)
mid-September 2018 (date TBD)	RSC, Burlington House, London (TBC)
early December 2018 (date TBD)	SCI, Belgrave Square, London (TBC)

**2017 Events**

All events were run in partnership with Colloid & Surface Chemistry Group (CSCG) of the Society of Chemical Industry (SCI).

<b>Event Name</b>	Secrets of Formulation IV (10 Jan 2017, SCI, London)
<b>Event Type</b>	Scientific Conference – 1 day
<b>Comments</b>	<p>This event was run in partnership the RSC's Formulation Science &amp; Technology Group (FSTG). Nine invited speakers (7 industrial, 2 academic) described the high-quality science underpinning products in the context of the challenges that their industry faces, which can range from product performance to regulation, and its constraints (e.g., cost, purity, safety, shelf life). The speakers were Malcolm Faers (Bayer Crop Science), Simon Emmett (Akzo Nobel), Jayne Lawrence (Kings College), Peter Dettmar (Technostics), Mauro Vaccaro (Procter &amp; Gamble), Nick Ainger (Unilever), Cuross Bakhtiar (Harley Street Cosmetic Ltd), Peter Dowding (Infineum) and Geoff Maitland (Imperial College). About 130 attended the event.</p> <p>Event details: <a href="http://www.rsc.org/events/detail/24574/">http://www.rsc.org/events/detail/24574/</a>  <a href="https://www.soci.org/Events/Display-Event?EventCode=COLL489">https://www.soci.org/Events/Display-Event?EventCode=COLL489</a></p>

<b>Event Name</b>	McBain award symposium (27 Mar 2017, SCI, London)
<b>Event Type</b>	Scientific Conference – 1 day, Award Lecture
<b>Comments</b>	<p>The McBain medal is awarded annually by this group to recognize a rising star in colloid and interface science. The 2016 awardee was Dr João Cabral (Imperial College London), for his outstanding work on the thermodynamics and assembly of colloid and polymer mixtures, and the design of functional materials via interfacial instabilities. In addition to the keynote from Dr Cabral, invited lectures were given by Prof. Tom McLeish (Univ. Durham), Dr Lionel Porcar (Institut Laue Langevin), Prof. Dame Julia Higgins (Imperial College London), Dr Eric Robles (Procter &amp; Gamble), Dr Alex Routh (Univ. Cambridge) and Prof. Sidney Nagel (Univ. Chicago). The day-long symposium had especially low registration rates of £10–£20. 43 attended.</p> <p>Event details: <a href="http://www.rsc.org/events/detail/25447/">http://www.rsc.org/events/detail/25447/</a>  <a href="https://www.soci.org/Events/Display-Event?EventCode=COLL494">https://www.soci.org/Events/Display-Event?EventCode=COLL494</a></p>



<b>Event Name</b>	Rideal award symposium (4 Apr 2017, Univ. Cambridge)
<b>Event Type</b>	Scientific Conference – 1 day, Award Lecture
<b>Comments</b>	The Rideal lecture is the committee's 'lifetime achievement' award. This past year it was awarded to Prof. Daan Frenkel. The event consisted of six invited lectures from Prof. Willem Kegel (Univ. Utrecht), Dr Richard Sear (Univ. Surrey), Dr Zorana Zeravcic (ESPCI, Paris), Prof. Roel Dullens (Univ. Oxford), Dr Erika Eiser (Univ. Cambridge) and Dr Rosalind Allen (Univ. Edinburgh) and concluded with the keynote address from Cambridge's Prof. Frenkel. 48 people attended the event. Event details: <a href="http://www.rsc.org/events/detail/24416/">http://www.rsc.org/events/detail/24416/</a> <a href="https://www.soci.org/news/colloids/rideal-lecture-2017-preview">https://www.soci.org/news/colloids/rideal-lecture-2017-preview</a>

<b>Event Name</b>	Colloids Young Researchers' Meeting (10 Apr 2017, Univ. Sheffield)
<b>Event Type</b>	Scientific Conference – 1 day
<b>Comments</b>	This meeting was run in collaboration with the Sheffield Colloid Network. The event was designed to support PhD students, post docs and new industrialists to showcase their new findings and techniques in colloid, surface & interface science, and for sharing professional experiences, networking and career development opportunities. The event consisted of keynotes from Gemma-Louise Davies (then at Univ. Warwick), Kuhan Chellappah (BP) and Becky Welbourn (ISIS). There were seven contributed oral presentations, about 10–12 posters, a talk on EPSRC support for early career researchers from Ellen Meek, flash presentations and a panel session chaired by the keynotes and Dr Meek. 35 attended the event. Event details: <a href="http://www.rsc.org/events/detail/25645/">http://www.rsc.org/events/detail/25645/</a> <a href="https://www.soci.org/Events/Display-Event?EventCode=COLL504">https://www.soci.org/Events/Display-Event?EventCode=COLL504</a>

<b>Event Name</b>	UK Colloids 2017 (10–12 Jul 2017, Manchester Central)
<b>Event Type</b>	Scientific Conference – multi-day, Award Lecture
<b>Comments</b>	<p>UK Colloids is the group's flagship event. This was the first year that this triennial event was held at a venue outside London. The three-day conference had up to four parallel sessions covering nine themes: Wetting, Nanoparticles, Foams/Bubbles/Emulsions and Microemulsions, Colloidal Suspensions, Programmable Self-assembly, Biocolloids and Biointerfaces, Characterisation of Formulated Products, Colloidal Physics, and Formulation Science and Engineering. Prof. Joe Keddie (Univ. Surrey) delivered a plenary address connected to his receiving the Graham award, the committee's mid-career award. Other plenaries were Prof. Debora Berti (Univ. Florence) Prof. Vinny N. Manoharan (Harvard Univ.), Prof. Paul Mulvaney (Univ. Melbourne). Additionally, there were 17 keynote speakers and 10 more invited speakers. The conference attracted 15 exhibitors, seven sponsors and 261 attendees.</p> <p>Event details: <a href="http://www.rsc.org/events/detail/25628/">http://www.rsc.org/events/detail/25628/</a>  <a href="http://constableandsmith.com/events/uk-colloids-2017">http://constableandsmith.com/events/uk-colloids-2017</a></p>

<b>Event Name</b>	MiBio 2017 (4 Oct 2017, Univ. Cambridge)
<b>Event Type</b>	Scientific Conference – 1-day
<b>Comments</b>	<p>This well-received conference on biopharmaceutical stability ran for its seventh year, organised jointly with the RSC's FSTG and the Academy of Pharmaceutical Sciences. The day consisted of six invited talks, a speed networking session and the perennially popular panel discussion. This year's speakers were Prof. Tudor Arvinte (Univ. Geneva, Therapeomic), Stephanie Davies (MedImmune), Adithya Balasubramanian (Lonza Drug Product Services), Helen Sjögren (Ferring), Prof. Peter Seeberger (MPI Colloids and Interfaces) and Rob Simler (Biogen). There were 76 delegates, 24 of them sponsors &amp; exhibitors. There were 11 exhibitors and 2 sponsors.</p> <p>Event details: <a href="http://www.rsc.org/events/detail/27433/">http://www.rsc.org/events/detail/27433/</a>  <a href="http://formulation.org.uk/mibio-2017-speakers.html">http://formulation.org.uk/mibio-2017-speakers.html</a></p>



<b>Event Name</b>	Pickering Emulsions (23 Nov 2017, SCI, London)
<b>Event Type</b>	Scientific Conference – 1 day, Training/Workshop
<b>Comments</b>	<p>This workshop was led by the FSTG and Industrial Physical Chemistry Group. The event included six invited speakers, half each from academic and industry, two contributed talks &amp; six posters. The day concluded with an hour-long round-table discussion between audience and invited speakers. The invited speakers were Prof. Bernie Binks (Univ. Hull), Prof. Steve Armes (Univ. Sheffield), Dr Phil Taylor (Syngenta), Dr Ir. Albert T. Poortinga (Bether Encapsulates), Prof. Stefan Bon (University of Warwick) and Dr Konrad Roschman (BASF). There were about 70 delegates.</p> <p>Event details: <a href="http://www.rsc.org/events/detail/26882/">http://www.rsc.org/events/detail/26882/</a></p>

<b>Event Name</b>	McBain award symposium (12 Dec 2017, SCI, London)
<b>Event Type</b>	Scientific Conference – 1 day, Award Lecture
<b>Comments</b>	<p>The second McBain award symposium in the calendar year was held to recognise the achievements of the 2017 awardee, Dr Rico Tabor of Monash Univ. 'Watching Colloids Work' showcased some of the latest work in colloids that respond to external stimuli, and state-of-the-art techniques to analyse them, with applications in areas as diverse as smart water treatment and functional foods. In addition to the keynote, Julian Eastoe (Bristol), Alex Routh (Cambridge), Isabelle Grillo (Institut Laue-Langevin), Sarah Rogers (RAL), Ray Dagastine (Melbourne), and Charl Faul (Bristol) spoke. There were about six posters and 68 attendees.</p> <p>Event details: <a href="http://www.rsc.org/events/detail/28276/">http://www.rsc.org/events/detail/28276/</a></p>



## Awards and Bursaries

*The committee offer three awards. These are administered jointly with the SCI's Colloid & Surface Science Group.*

- The McBain Award recognises the contribution of younger talent and was succeeded in 2006 by the McBain Medal. The Medal is awarded annually to an early career researcher. In 2017, the committee awarded the McBain medal to Dr Rico Tabor of Monash University. The committee also acknowledged the 2016 winner, Dr João Cabral from Imperial at a March symposium, and selected its 2018 winner, Dr Valeria Garbin, also from Imperial. The deadline for nominations is 15 November each year.
- The Thomas Graham Lecture is awarded to a researcher in the prime of his or her research career. He or she has established an international reputation in colloid science, and has already made distinguished contributions to the field. Graham Lecturers will typically have the prospect of at least another 15 years of active research ahead. The award is named after Thomas Graham, who is considered one of the founders of colloid science. The award was made every three years until 2017, but it was awarded biennially thereafter. In 2017, Prof. Joe Keddie from the University of Surrey was awarded the lectureship. Prof. Keddie now serves as the joint committee's awards coordinator. Nominations for the 2019 Graham lecture closed on 1 March 2018.
- The Rideal lecture (formerly known as the Founder's Lecture) became a joint Colloids group award in 2006 and is awarded to honour significant and sustained contribution to the field. The 2017 Rideal lectureship was awarded to Prof. Daan Frenkel from the University of Cambridge. Nominations for the 2019 Rideal lecture closed on 1 March 2018.

### **Other information/comments:**

We call for nominations several months in advance of the nomination deadline. These calls are announced through the group's eAlerts to its members, on its website (<http://www.colloidsgroup.org.uk/>) and through its new Twitter feed (@ColloidsGroup).

Further details are available under the awards tab of the committee's RSC page: <http://www.rsc.org/Membership/Networking/InterestGroups/colloidscience/>

### Future Activities

*The CISG will have fewer activities in 2018, as we enjoy a year of transition after the effort of our flagship UK Colloids event in summer 2017. The joint committee was pleased to refresh itself with ten new members, five on the CISG side, all of whom are already scoping out activities for late 2018 and early 2019. There will be no Rideal Lecture in 2018.*

<b>Event Name</b>	Casting Dispersions, 26 Mar 2018, SCI, London
<b>Comments</b>	The playful title of this one-day meeting refers to the process by which a colloidal dispersion is dried and its material transitions from a liquid to a solid. The process determines the final properties of the dry material and understanding the physics of the drying is crucial for a range of industries, including paints and varnishes, pottery and self-assembly applications. This meeting will comprise three invited lectures and four contributed talks. The invited speakers are Prof. Colin Bain (Univ. Durham), Dr Richard Sear (Univ. Surrey), Prof. Damian Baigl (École Normale Supérieure). The committee will hold its AGM during the lunch break. Event details: <a href="http://www.rsc.org/events/detail/29653/">http://www.rsc.org/events/detail/29653/</a> <a href="https://www.soci.org/Events/Display-Event?EventCode=COLL532">https://www.soci.org/Events/Display-Event?EventCode=COLL532</a>
<b>Event Name</b>	MIBio 2018, November, Cambridge.
<b>Comments</b>	Our joint, day-long conference will run for its eighth year this November. The dates are still being finalised, and will be advertised on the our website and Twitter feed, through our eAlerts, on the RSC events page, and on the FSTG's website: <a href="http://formulation.org.uk/">http://formulation.org.uk/</a> .
<b>Event Name</b>	McBain award symposium 2018, 11 Dec 2018, SCI, London
<b>Comments</b>	Valeria Garbin (Imperial) is the 2018 McBain awardee for her work on microscale transport phenomena in soft and biological matter. A day-long symposium to highlight the latest achievements in the field in which she works will be run in early- to mid-December.
<b>Event Name</b>	UK Colloids 2020
<b>Comments</b>	While not in the next calendar year, the group's flagship event is already being organised. It will be held in late Spring/early Summer 2020. Once again, the event will be held outside London: Liverpool and Edinburgh have made the shortlist.

**Committee**

<b>Position</b>	<b>Name</b>	<b>Dates on committee</b>
Chair	Dr Jeroen van Duijneveldt, University of Bristol	2017–2021
Secretary	Dr Christopher F. Blanford, University of Manchester	2016–2020 (re-elected 2017)
Treasurer	Prof. Alexander F. Routh, University of Cambridge	2014–2020 (re-elected 2017)
Ordinary Members	Dr Lee Fielding, University of Manchester Prof. Wim Thielemans, KU Leuven  Dr Shirin Alexander, Swansea University Dr Gemma-Louise Davies, University College London Dr Sarah Rogers, ISIS/Rutherford Appleton Laboratory	2017–2021 2013–2019 (re-elected 2017) 2017–2021 2017–2021  2017–2020
Chemists' Community Fund Representative	none	—
Co-opted members and their affiliation	Dr. Dionisia Maria de Jesus, AMRSC	2017–2019



## Diversity & Inclusion

Our trustees are aiming to embed diversity and inclusion in all of our activities and networks. Our online network handbook contains more information to support our networks in achieving this.

Please comment on how your group is showing that it has embraced Diversity and Inclusion within its practices.

- The current committee is composed with diversity in mind. The Joint Committee (that is, that which includes the SCI's CSCG) consists of 20 members. Of these, seven are not affiliated with an academic institution (they have, for example, affiliations with industry or national facilities), two are from outside the UK, and seven are women. We have one student member co-opted; she is currently affiliated with the SCI side. We currently have no BME members, however. For reference, the membership of the CISG is about three-quarters from the UK, about one-third are working or studying at a university, and about one-fifth are female.
- Committee meetings, conferences and workshops have catering set to accommodate dietary restrictions or requirements, whether they are for religious, ethical and medical reasons.
- Committee meetings, conferences and workshops are scheduled during core working hours to accommodate family commitments and to promote a healthy work-life balance.
- Venues for the same are chosen with accessibility in mind and typically chosen to be readily accessible by public transport.
- Conference speakers are chosen with geographic and gender diversity in mind. We still struggle with ethnic diversity.
- From Spring 2018, the committee have included a standing agenda item on inclusion and diversity for all committee meetings.
- In recognition of the fact that many of our early career members may have had a career break or career change, and in recognition of the fact that many of our members are not involved in research (e.g., they may be involved in technical or management roles), the 'Colloids Young Researchers' Meeting' will be renamed 'Early Career Colloid Scientists' Meeting'.