THE KEELE MEETINGS ON ALUMINIUM
1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017…

FIRST AND ONLY CALL FOR PAPERS, POSTERS AND EXPRESSIONS OF INTEREST

The Birchall Centre, Keele University, and the Neural Dynamics Research Group, University of British Columbia

Present

The Twelfth Keele Meeting on Aluminium

KEELE12

Living in the Aluminium Age

Saturday 4th to Wednesday 8th March 2017

Venue: The Pinnacle Hotel, Vancouver

http://www.keele.ac.uk/aluminium/

http://neuraldynamicsubc.ca

ORGANISATION

The Twelfth Keele Meeting on Aluminium (KEELE12) will be held at The Pinnacle Hotel in Vancouver, Canada.

The local hosts are the research group of Professor Chris Shaw at the University of British Columbia.

Chris Shaw
cashawlab@gmail.com
Tel: 01-604-8754111 (ext. 68373)
Fax: 01-604-8754376
828 W. 10th Ave.
Vancouver, BC, Canada, V5Z1L8

Agripina Suarez
suarez@mail.ubc.ca
Tel: 01-604-8754111 (ext. 68375)

AIMS OF THE MEETING

The aims of KEELE12 are the same as our previous 11 meetings, namely to bring together the family of aluminium researchers to disseminate the very best research in the field. Of course our objectives are somewhat wider in that we not only want to welcome new research we also want to encourage new researchers in the field of aluminium and living things. We are always looking to widen the scope of our family and to continue to demonstrate the critical importance of understanding the consequences of living in the aluminium age. Only by being resolute and steadfast in our aims, as we have been for more than 20 years of Keele Meetings now, will we be able to create

the platform for change that is required and is ultimately unavoidable and necessary. The use of aluminium in our everyday lives is burgeoning and so the emphasis on being able to continue to use our favourite metal not only effectively but safely without possible detriment to human health is heightened. We may well be approaching a 'tipping point' and we must continue to prepare for such a future scenario.

Submissions of **new unpublished research** are invited in all areas of aluminium (and silicon) research including;

Aqueous aluminium chemistry including its solubility and biological availability in the sea, lakes, rivers *et c*.
Aluminium geochemistry; including soil chemistry
Interactions of aluminium with micro-organisms
Interactions of aluminium in algae and plants
Interactions of aluminium with invertebrates and vertebrates
Human exposure to aluminium
Aluminium in human diseases
Analytical aluminium chemistry
Inorganic aluminium chemistry
Bioinorganic aluminium chemistry
Clinical aluminium chemistry
Aluminium biochemistry
Aluminium in biotechnology
Aluminium in food, cosmetics, drugs, vaccines, prosthetics etc.
Aluminium nanoparticles and nanotoxicity
Silicon in plants, animals and humans in health and disease

These are <u>only</u> suggestions. One of the key features of **Keele Meetings** is that there are no invited speakers and the **Scientific Programme** is entirely determined by the quality and breadth of the submitted abstracts for **Platform** and **Poster** presentations. The **Keele Meetings** have earned a reputation for the dissemination and discussion of high quality research. They are also highly informal and friendly events which help to foster

new collaborations and new friendships within the disparate global aluminium research community.

We are all contributors and survivors of **'The Aluminium Age'**. Why not come to the **Twelfth Keele Meeting on Aluminium (KEELE12)** in Vancouver, Canada and tell us all about your experience with our infamous and favourite metal, aluminium!
Chris Exley

CALL FOR PAPERS

The **Keele Meetings on Aluminium** are organised to provide a forum for the presentation and discussion of **new and previously unpublished research**. Papers are invited in any area of aluminium research. The content of the **Scientific Programme** will as is usual for **Keele Meetings** be organised according to the nature of the contributed papers. The agenda will be set by the most timely research in the field. Submissions are sought for both **Platform and Poster** presentations. Both of these involve some degree of oral presentation. **Platform** presentations are allocated **30** minutes. Only **20** minutes should be used to present research. Each Platform presentation will be followed by a **10** minute discussion period. This emphasis on discussion is a key element of the **Keele Meetings** and **Session Chairs** will enforce these times with the utmost rigour! Participants presenting **Posters** will be allocated a **5** minute oral slot within an appropriate **Platform Session** to 'advertise' their **Poster**.

Prizes are available for the **'Best Postgraduate Presentation'** (**Platform or Poster**) and **'Best Poster'**. All presentations, **Platform and Poster**, will be eligible for submission for publication in the **Journal of Inorganic Biochemistry**. The **Keele Meeting Issue of JIB** will be a regular issue of the journal (see for example, JIB (2015) 152, November Issue) and all submissions will be subject to peer review.

If you are interested in presenting your research at the **Twelfth Keele Meeting on Aluminium** please send a **150 word abstract** of your presentation to Professor C Exley, The Birchall Centre, Lennard-Jones Laboratories, Keele University, Staffordshire, ST5 5BG, UK. Abstract submission by email (c.exley@keele.ac.uk) attachment using WORD is preferred.

Deadline for submission of abstracts is
October 31st 2016.
Please be prompt.

JD Birchall Memorial Lecture

In 2017 the JD Birchall Memorial Lecture will be given by;

Professor Romain K Gherardi

University Paris Est, Department of Neuroscience, INSERM U955, Creteil, France

Macrophagic Myofasciitis: A Condition Caused by Aluminium Adjuvants

Previous Lectures

1997 Dr C Exley *The Silicon BiCycle*.

1999 Professor RJP Williams FRS *What is Wrong with Aluminium?*

2001 Professor J Savory *Aluminium and Cell Suicide: Oh What a Tangled Web We Weave.*

2003 Dr JP Day *A History of Aluminium in Human Disease.*

2005 Professor DP Perl *The Association of Aluminium and Neurodegenerative Disease (1980-2005). Personal Recollections and Future Perspectives.*

2007 Professor TB Kinraide *Personal Experiences Analysing the Interactive, Toxic and Ameliorative Effects of Aluminium Species and Other Ions.*

2009 Professor S Sjöberg *Chemical Speciation, Solubilities and Surface Complexation in Aqueous Al(hydr)oxide Suspensions.*

2011 Professor SC Bondy *Is the Aluminium in Your Drinking Water Safe?*

2013 Professor T Kiss *From Inorganic to the Biological Chemistry of Aluminium*

2015 Professor Leon Kochian *Plants do Some Surprising Things to Deal With Toxic Aluminium in the Soil!*

PRELIMINARY TIMETABLE

Saturday 4th March 2017

15.30	Registration and Poster Assembly
20.00	Welcome to Meeting / Welcome Buffet

Sunday 5th March 2017

09.00	Conference
13.00	Lunch
14.30	Conference
18.30	End of First Day
20.00	Dinner

Poster Session and EVENT TBA!!

Monday 6th March 2017

09.00	Conference
14.00	Lunch

FREE AFTERNOON (EVENT TBA)

20.00	Dinner

Tuesday 7th March 2017

09.00	Conference
13.00	Lunch
14.30	Conference
17.00	JD Birchall Memorial Lecture
18.30	Closing Remarks
20.00	Conference Dinner

The Scientific Programme will be finalised during December 2016 and will be posted on the Meeting website with all other relevant information.

http://www.keele.ac.uk/aluminium/

REGISTRATION

The **Conference** is run at cost. This means that the **Conference Fees** pay for the major costs of the **Conference**. All participants will pay the **Conference Fee** of **1700 Canadian Dollars** ($1700.00) **per person** for single room occupancy or **1250 Canadian Dollars** ($1250.00) **per person** for shared occupancy.

Accompanying guests will be charged the shared occupancy rate of **1250 Canadian Dollars** and will be treated as delegates.

The Conference Fee includes **everything**!; **Registration; Accommodation (4,5,6 and 7th March); All meals (Welcome Buffet on 4th March to Breakfast on the 8th March) including the EVENT, Monday afternoon excursions/activities and the Conference Dinner; Scheduled transport between Vancouver Airport and the venue.**

I hope you can agree with me that in this day and age of international conferences these prices represent remarkable value for money.

Delegates requiring other combinations of accommodation and attendance etc. should, in the first instance contact the local hosts (cashawlab@gmail.com; suarez@mail.ubc.ca) for help and guidance. Do not contact the venue directly unless advised to do so by the local hosts.

Method of Payment

All payments must be made either by;

1. Bank Transfer to: University of British Columbia
Account No. 28-41215
Transit No. 02800
Institution No. 010
SWIFT Code: C1BCCATT

Branch Address;
538 West Broadway, Vancouver, BC, V5Z 1E9

Please state your full name and address on the transfer and **please ensure that any transfer charges are not deducted from the Conference Fee**. Please email the host (cashawlab@gmail.com) to indicate that payment has been made by this method.

2. Cheque, payable to Dr Chris Shaw, Account # 28-41215

3. A Credit Card option. Please note that a processing fee of $50.00 will be applied by the company providing this service. Please contact the local hosts about this service.

A small number of **postgraduate bursaries** may be available for **students** making presentations (**Platform or Poster**) at the **Conference**. These bursaries will cover the **Conference Fee** for shared room occupancy ($1250 **Canadian Dollars**). Please indicate that you would like to be considered for a bursary when you submit your abstract. Please include a note from your M.Sc/Ph.D Supervisor confirming your status as a Postgraduate Student.

The number of places available at the **Twelfth Keele Meeting** will be restricted to maintain the informal and friendly

atmosphere that is characteristic of Keele Meetings. Rooms, single and shared occupancy will be allocated on a first come (payment of Conference Fee) first served basis. It would be helpful if at your earliest convenience you were able to confirm your intention to participate.

Please note that confirmation of your place at the meeting can only be made upon receipt of the Conference Fee and the Registration/Accommodation Form.

The Conference Fee and the Registration/Accommodation Form must be received by 16th December 2016.

If participation is cancelled before December 31, 2016 in writing, the registration fee will be refunded with a reduction of 30% to cover administrative costs.

(Later bookings will only be possible at the discretion of the local hosts.)

VANCOUVER VENUE

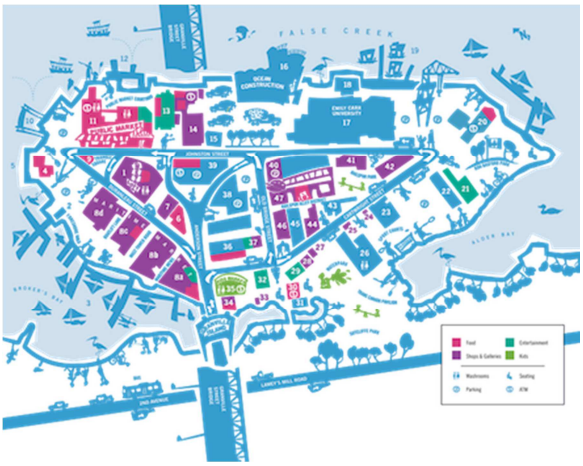
The venue for KEELE12 is in The Pinnacle Hotel Vancouver Harbour Front, 1133 West Hastings Street, Vancouver, BC, V6E3T3

The hotel is on the waterfront overlooking beautiful Coal Harbour and North Shore mountains. It is steps away from the Vancouver Convention Centre, the Vancouver Cruise Ship Terminal, the bustling financial district and some of the best dining and shopping the city offers. Enjoy the skyline from a Harbour Cruise, a walk of the seawall to Stanley Park, the Vancouver Aquarium, and Granville Island Market or immerse yourself in local culture in Yaletown and Gastown.

www.pinnacleharbourfronthotel.com
tel:1.800.905.8582 or 1.604.689.2720; f: 604.691.2791

Monday Afternoon Social Activities/Event

A trip to Granville Island, Vancouver



A unique urban oasis filled with fine waterfront restaurants and sprawling courtyard with daily outdoor performers, a spectacular fresh food market, an artisan brewery, and much more.

Browse and enjoy the art exhibitions from Emily Carr University nestled beside glassblowing, jewelry making, and other artisan studios.

Hop on an Aquabus or False Creek Ferry for a quick jaunt around False Creek Inlet.

See a handful of boat builders at work at the Maritime Market.

Visit the Granville Island Brewing Co., British Columbia's first "cottage" brewery. Take a tour and enjoy their beer tasting offering. For a more exotic "brew", visit Canada's only Artisan Sake Maker in Railspur Alley.

CONTACTS

General enquiries should be made to Chris Exley

Abstracts should be sent to Chris Exley

Chris Exley
The Birchall Centre
Lennard-Jones Laboratories
Keele University
Staffordshire ST5 5BG
UK
Tel: 44 1782 584080 Fax: 44 1782 712378
Email: c.exley@keele.ac.uk

Enquiries concerning conference fees, accommodations, travel, or the venue should be addressed to the local hosts.

Local Hosts

Christopher A. Shaw
828 W. 10th Ave,
VGH Research Pavilion, Room 386
Vancouver, BC
Tel: +1-604-875-4111 x68373
Email: cashawlab@gmail.com

Agripina C. Suarez
828 W. 10th Ave,

VGH Research Pavilion, Room 386
Vancouver, BC
Tel: +1-604-875-4111 x68375
Email: suarez@mail.ubc.ca

Get Ready for Canada
And KEELE12 in Vancouver !

The Vancouver area is surrounded by some of the most stunning natural beauty in the world: mountains, ocean, rainforest, parks and beaches. A city like no other has lots of options for activities, sights and attractions. It can be explored by skytrain, bus, ferries and boats, horse-drawn carriage, bicycle or on foot. For activities outside Vancouver:

www.bc**ferries**.com/schedules/mainland/
www.**whistlerblackcomb**.com/
www.hellobc.com/