

To: **Members of the [Special Interest Group \(SIG\): Acoustofluidics](#)  
in [UK Fluids Network \(UKFN\)](#)**

Dear Colleagues,

**Sixth SIG Meeting:** 10am-4.30pm, Thursday 14<sup>th</sup> Mar. 2019  
Organised at the University of Glasgow, Glasgow, UK  
Web-link: [Special Interest Group \(SIG\): Acoustofluidics](#)

**Meeting room:** Kibble Suite , Hilton Grosvenor Hotel (Glasgow West End)

The meeting will be focused on our **Early Career Researcher** community, around the theme of **applications of acoustofluidics**. We will aim to:

- Explore interests and opportunities in the applications of acoustofluidics, around 3 proposed sub-themes of ‘particle manipulation’, together with ‘droplets’ (inc. multiphase systems) and ‘devices’;
- Exchange on the different routes and challenges to enable impact in research on acoustofluidics;

### **Proposed Agenda**

10:00-10:20: Registration (Coffee and Tea)

10:20-10:30: Welcome and safety

10:30-13:00: Technical presentation session

13:00-14:00: Lunch and poster section (with Group Photo)

14:00-14:50: Keynote invited speaker **Professor Bruce Drinkwater** (University of Bristol)  
‘Dynamic particle manipulation’

14:50-15:45: Impact presentations – translating applications

15:45-16:30: Open discussions on opportunities and challenges in translation.

Technical presentations: (10:30 – 13:00)

- Jeremy Hawkes (Manchester): Space for acoustofluidics
- Hanlin Wang (Cardiff): Modelling of Hybrid Acoustofluidic Transducers for Enhanced Nano- and Micro-Particle Manipulation in Microfluidics
- Christopher Dacosta (Glasgow): SAW-enabled DNA fragmentation
- Yong Wang (Northumbria): AIN based thin film acoustofluidics
- Alejandro Barba (Leeds): Numerical analysis of mass transfer in thermoacoustic fields
- Fangda Wu (Cardiff): Power-Controlled Acoustofluidic Manipulation of Microparticles

Impact presentations: (14:15 – 15:45)

- Xi King (Glasgow University): Nebulising medicines – the road to spin-out
- Arslan Khalid (Glasgow University): Measuring viscosity with acoustofluidics for cardiovascular diseases
- Pep Canyelles-Pericas (Northumbria): Knowledge Transfer Partnerships: a pathway to Impact

### **Finances**

The UKFN will provide us with limited funding, but it will be mainly used to cover refreshments and lunch, and reasonable expenses for the travel of invited speakers. We could provide some funding for research staff/students from our SIG members to fund their travel expenses. If you need to have funding support, please contact [Julien.reboud@glasgow.ac.uk](mailto:Julien.reboud@glasgow.ac.uk) or [Richard.fu@northumbria.ac.uk](mailto:Richard.fu@northumbria.ac.uk) in advance.

### **Who May Attend**

All members of the SIG, Research Fellows, post-doc researchers or PhD students are invited.

### **Confirming Attendance**

For attendance, please reply to [julien.reboud@glasgow.ac.uk](mailto:julien.reboud@glasgow.ac.uk).

We'd appreciate replies whether you can attend or not. This will help us with room sizes and catering. Please indicate any dietary matters we need to consider for lunch (vegetarian/vegan/gluten-free, etc).

### **Travel and Maps**

The event will take place in the Hilton Glasgow Grosvenor (<https://www3.hilton.com/en/hotels/united-kingdom/hilton-glasgow-grosvenor-GLAGRHN/maps-directions/index.html>), easily accessible by public transport. The meeting will be in the **Kibble suite** on the upper ground floor.

The hotel is situated very close to the University of Glasgow campus in the West End.

### **Phone Contact**

If there are any problems or queries, feel free to contact Dr. Julien Reboud @ [Julien.reboud@glasgow.ac.uk](mailto:Julien.reboud@glasgow.ac.uk) or 01413307185.