

# Making analytical chemistry practical and engaging

Friday 13 July 2018

National Physical Laboratory

Limited early bird places available for £145 + VAT (T&Cs apply)



## Increase your confidence delivering effective practicals and update your knowledge of the latest chemical research

- Experience innovative ways of delivering traditional practical investigations, in line with GCSE and A Level specifications
- Overcome barriers to learning by giving students the tools to learn through discovery and develop an analytical mind
- Discover ways to get young people to make independent observations
- Tour the National Physical Laboratory and update your knowledge of latest research including augmented reality, microchemistry and visual instructions

## Sessions include:

### Lectures:

*New applications of chemical analysis*

**Dr Nick Bampos**

### Teacher-led workshops:

*Developing practical enquiry: investigating the theory*

*Putting theory into action*

### This day is for you if:

- You would like to update your knowledge of the latest research and pedagogy
- You would like to gain ideas in a supportive environment and explore methods to make analytical chemistry relevant to the real world
- You want to share best practice and work with other teachers to develop new methods
- You want to gain resources and activities to use in class for this topic and beyond

### Prices (subject to VAT at 20%):

£145 + VAT (Limited early bird places available, must be booked by Friday 18 May 2018, T&Cs apply)

£195 + VAT (Schools Programme members)

£295 + VAT (non-members)

£145 + VAT (additional places from the same department)



THE PRINCE'S  
TEACHING  
INSTITUTE

Inspirational professional development  
for teachers and school leaders

[www.princes-ti.org.uk/events](http://www.princes-ti.org.uk/events)

# Speakers

Putting you in touch with up-to-date subject knowledge



**Dr Nick Bampos** has been a member of the Chemistry department at the University of Cambridge for over 20 years, ten of which he was also a senior tutor. In addition to his research interests in organic and inorganic synthesis (especially molecular recognition, supramolecular assemblies and nuclear magnetic resonance spectroscopy), he has taught courses at undergraduate and graduate level and has extensive experience with school engagement and university admissions.

# Teacher Leader

All of our days are developed and led by practising teachers

**David Fairclough** graduated from the University of Leeds with a BSc in Chemistry in 2007, and completed his PGCE in Leeds in 2010. Since then David has worked at St John Fisher Catholic Academy as lead Chemistry teacher, working as second in department and interim head of department. He is an active member of the Royal Society of Chemistry, a PTI Associate department member and an Ambition School Leadership fellow.

### ***Developing practical enquiry: investigating the theory***

*This workshop will identify barriers to effective practical techniques, use and evaluate different practical techniques and identify how they can be used to improve chemistry teaching.*

### ***Putting theory into action***

*Participants will put into action the theory from the morning session while working with other participants and sharing best practice.*

**“The day was informative and thought provoking, with up-to-date science to take back to colleagues and students.”**

- Rob Plested, Stewards Academy | Science CPD Day participant 2016



## **About The Prince's Teaching Institute**

**We know that for every student in every school, every teacher matters.**

The PTI is a charity run by teachers, for teachers. We re-engage teachers with their specialist subjects, inspiring them to bring enthusiasm into class and raise the aspirations of their pupils.

**[www.princes-ti.org.uk](http://www.princes-ti.org.uk)**