

2019 Nyholm Youth Lectures

An activity of RACI NSW Branch



The Nyholm Lecture Series commemorates Sir Ronald Nyholm FRS (1917-1971), an outstanding Australian researcher and passionate chemical educator.

These popular lectures are aimed at Year 9 and 10 students. They are loosely linked to the 7-10 Science syllabus, although others will find the material inspiring.

A feature of the Lectures is their practical content and interactive presentation style.

The 2019 Lectures will be presented alternately at a range of venues in metropolitan Sydney and country NSW by two outstanding chemical educators.

Cost is around \$5 per head. Schools may apply for discount bulk ticket purchases and should contact their local venues for details.

Real or counterfeit medicines, you decide



Every day we use medicines: pills, creams, injections, but what does the anti-wrinkle drug Botox have in common with sports drinks? In this fun and interactive presentation, Associate Professor Nial Wheate, a pharmaceutical chemist from the University of Sydney, takes students through the science behind the formulation of medicines with lots of hands on demonstrations and activities. In the presentation, students will also explore the world of counterfeit medicines and use their recently acquired counterfeit knowledge to determine the real from the fake drugs.

How Metal is Keeping You Alive

Have you ever wondered why our blood is red? What about how fireworks get their colour? In his Nyholm lecture, Dr Adam Martin will delve into the wonderful world of magnificent metals in celebration of the International Year of the Periodic Table. Adam will place a particular focus on the role of metals within your body, and how they are keeping you alive! From why you need to take iron tablets with vitamin C, to how calcium is critical for healthy nerves, to why copper determines your hair colour, Adam will explain why it is always good to have some metal in your life. He will demonstrate the colourful chameleon that is copper, which can change colour or glow depending on its environment.



Venues with dates and times, from Term 2, will be advertised to local schools and on the web www.raci.org.au/branches/nsw-branch
Advanced bookings are highly advisable.

For more information, contact the RACI NSW Branch Office
E: raci-nsw@raci.org.au T: (02) 9663 4960 ABN: 69 030 287 244