

NEWS FROM:



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22 June 2011

UCT celebrates International Year of Chemistry with Interactive Public Programme

23rd June to 5 July 2011

To celebrate the International Year of Chemistry (IYC), the Department of Chemistry at the University of Cape Town is presenting a wide range of events to give insight into what chemistry is about and how it impacts on so many different aspects of our everyday lives. There is something on offer for everyone, from young children to senior school learners and adults.

Professor Anton le Roex, Dean of the Faculty of Science, said: "Understanding even the basics of chemistry can help everyone make intelligent decisions about maintaining their health and how they purchase and use food, beauty/grooming products and other products in used in their daily lives. Chemistry can even increase our understanding of how our emotions work. And it can be fun!"

According to the IYC website; "The International Year of Chemistry 2011 is a worldwide celebration of the achievements of chemistry and its contributions to the well-being of humankind. The Year of Chemistry is intended to reach across the globe, with opportunities for public participation at the local, regional, and national level."

The programme seeks to encourage learners to consider an education and career in chemistry, to increase South Africa's skills base with qualified chemists who can work in health, food, engineering, IT, pharmaceutical and industrial sectors. Another aim of the programme is to highlight how African-based knowledge and expertise can contribute to the world's body of knowledge.

The UCT events will include mini lectures covering topics ranging from molecules, malaria, mineral water and traditional medicine to cosmetics, crystals and computers. These topics are free and open to the public.

List of mini lectures:

- Chemistry of Mineral Waters – What does it teach us? Healthy Spin-offs or Trendy Rip-offs?
- Lessons from the History of Chemistry: Foundations of How We Think.
- How Chemistry Contributes to the Safety of Herbal & Traditional Medicines
- Crystal Healing: Solid State Chemistry & Drug Performance
- The Beauty of Symmetry in Chemistry
- Short History of Malaria Chemotherapy: from Pigments & Priests to Modern Drug Discovery
- Chemistry in Health & Disease: Marvellous & Malevolent Metals
- Chemistry & IT: Looking into the Heart of the Molecule using High Performance Computing
- Chemistry of Garlic: From Smell to Well
- Chemistry, Beauty & Grooming
- Chemistry of Kidney Stones: Bizarre & Beautiful

Other events in the two week long programme include Chemistry in Action in which exciting experiments will be demonstrated and explained. Tour de Chemistry will offer a behind the scenes glimpse of chemical research at UCT while Chemistry, Cupcakes and Cookies, through a fun interactive demonstration entertains kids and the young at heart. The keynote lecture, Chemistry between ourselves: Insights into human behaviour explores the extent to which the science of chemistry has contributed to our understanding of human behaviour and relationships. The Intervarsity/ Interschool Chemistry Quiz will test the brilliant minds of aspiring young scientist.

For more information, please contact Katherine Thomson on (021) 650 2574 / 083 290 5787 or email Katherine.thomson@uct.ac.za.

For a detailed breakdown of the mini lectures and dates of the events, please see flyer below.

Issued by: UCT Communication and Marketing Department

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INTERNATIONAL YEAR OF CHEMISTRY @ UCT

THURSDAY 23 JUNE 2011

17h30 to 18h00	Informal Cheese/Wine/Snacks and Official Opening	P.D. Hahn Foyer
18h00 to 19h30	Mini-Lectures	P. D. Hahn Lecture Theatre 1
18h00	<i>A Short History of Malaria Chemotherapy: from Pigments & Priests to Modern Drug Discovery</i>	<i>Prof. Timothy J. Egan</i>
18h20	<i>Chemistry in Health & Disease: Marvellous and Malevolent Metals</i>	<i>Prof. Graham E. Jackson</i>
18h40	<i>Chemistry and IT: Looking into the Heart of the Molecule using High Performance Computing</i>	<i>Prof. Kevin J. Naidoo</i>
19h00	<i>Questions/Discussion</i>	

MONDAY 27 JUNE 2011

10h00 to 15h30	Tour-de-Chemistry: A Behind-the-Scenes Glimpse of Chemical Research at UCT	
10h00-11h00	<i>Tour #1</i>	
11h15-12h15	<i>Tour #2</i>	<i>Ticket holders to meet guide in South Foyer (Level 4), P.D. Hahn Building</i>
11h30-12h30	<i>Tour #3</i>	<i>Tea/Coffee/Biscuits available before & after tours, Chemistry Department Tearoom (Level 5)</i>
14h00-15h00	<i>Tour #4</i>	
14h15-15h15	<i>Tour #5</i>	
14h30-15h30	<i>Tour #6</i>	
17h30 to 19h30	Mini-Lectures	P. D. Hahn Lecture Theatre 1
17h30	<i>Informal Cheese/Wine/Snacks</i>	P.D. Hahn Foyer
18h00	<i>Chemistry of Garlic: From Smell to Well</i>	<i>Prof. Roger Hunter</i>
18h20	<i>Chemistry, Beauty & Grooming</i>	<i>Dr Anwar Jardine</i>
18h40	<i>Chemistry of Kidney Stones: Bizarre & Beautiful</i>	<i>Prof. Allen L. Rodgers</i>
19h00	<i>Questions/Discussion</i>	

TUESDAY 28 JUNE 2011

18h00 to	Keynote Lecture	P. D. Hahn Lecture
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19h30		Theatre 1
18h00	<i>Informal Cheese/Wine/Snacks</i>	P.D. Hahn Foyer
18h30	<i>Chemistry Between Ourselves: Insights into our Behaviour</i>	<i>Assoc. Prof. David W. Gammon</i>
19h15	<i>Questions/Discussion</i>	

WEDNESDAY 29 JUNE 2011

18h00 to 18h30	<i>Informal Cheese/Wine/Snacks</i>	P.D. Hahn Foyer
18h30 to 20h00	Chemistry-in-Action: Exciting Experiments Demonstrated & Explained!	P. D. Hahn Lecture Theatre 1

THURSDAY 30 JUNE 2011

10h00 to 15h30	Tour-de-Chemistry: A Behind-the-Scenes Glimpse of Chemical Research at UCT	
10h00-11h00	<i>Tour #7</i>	
11h15-12h15	<i>Tour #8</i>	<i>Ticket holders to meet guide in South Foyer (Level 4), P.D. Hahn Building</i>
11h30-12h30	<i>Tour #9</i>	<i>Tea/Coffee /Biscuits available before & after tours, Chemistry Department Tearoom (Level 5)</i>
14h00-15h00	<i>Tour #10</i>	
14h15-15h15	<i>Tour #11</i>	
14h30-15h30	<i>Tour #12</i>	
17h30 to 19h30	Mini-Lectures	P. D. Hahn Lecture Theatre 1
17h30	<i>Informal Cheese/Wine/Snacks</i>	P.D. Hahn Foyer
18h00	<i>Molecules against Meningitis: The Chemistry of Vaccines</i>	<i>Assoc. Prof. Neil Ravenscroft</i>
18h20	<i>Chemistry of Mineral Waters – What does it teach us? Healthy Spin-offs or Trendy Rip-offs?</i>	<i>Prof. Allen L. Rodgers</i>
18h40	<i>Lessons from the History of Chemistry: Foundations of How We Think</i>	<i>Assoc. Prof. David W. Gammon</i>
19h00	<i>Questions/Discussion</i>	

MONDAY 4 JULY 2011

09h00 to 12h30	Chemistry, Cupcakes and Cookies: Fun Demonstrations for Kids	P. D. Hahn Lecture Theatre 1
09h00-10h00	<i>Session #1</i>	<i>"Drop-n-Go"- No adults. Tea/coffee/biscuits available for</i>
11h30-12h30	<i>Session #2</i>	<i>chaperones/minders, Chemistry Department Tearoom (Level 5), P.D. Hahn</i>

Building.

18h00 to 18h30	<i>Informal Cheese/Wine/Snacks</i>	P.D. Hahn Foyer
18h30 to 19h30	Chemistry Intersarsity/Interschool Quiz	Jameson Hall
19h30 to 20h00	<i>Prize-giving</i>	

TUESDAY 5 JULY 2011

09h00 to 12h30	Chemistry, Cupcakes and Cookies: Fun Demonstrations for Kids	P. D. Hahn Lecture Theatre 1
<i>09h00-10h00</i>	<i>Session #3</i>	<i>“Drop-n-Go”- No adults. Tea/coffee/biscuits available for chaperones/minders, Chemistry Department Tearoom (Level 5), P.D. Hahn Building.</i>
<i>11h30-12h30</i>	<i>Session #4</i>	
17h30 to 19h30	Mini-Lectures	P. D. Hahn Lecture Theatre 1
<i>17h30</i>	<i>Informal Cheese/Wine/Snacks</i>	P.D. Hahn Foyer
<i>18h00</i>	<i>Crystal Healing: Solid State Chemistry & Drug Performance</i>	<i>Prof. Mino R. Caira</i>
<i>18h20</i>	<i>How Chemistry Contributes to the Safety of Herbal & Traditional Medicines</i>	<i>Prof. Kelly Chibale</i>
<i>18h40</i>	<i>The Beauty of Symmetry in Chemistry</i>	<i>Prof. Susan A. Bourne</i>
<i>19h00</i>	<i>Questions/Discussion</i>	

ADDITIONAL DETAILS

Entrance is free. However tickets are required for all events. Contact shanaaz.smith@uct.ac.za or call 021 650 5179/2712 to make reservations. Further details available at www.chemistry.uct.ac.za.