

# RHODES UNIVERSITY

Rhodes University is nestled in the heart of Grahamstown and is home to more than 7,500 students from around the world. The university owes its unique character among South African universities to a combination of architectural, cultural, geographical and historical factors. Its history is a chronical of those whose intellect, vision and courage created and sustained a university that grows form strength to strength each year. Successive generations of Rhodians have had an influence on Southern African and world affairs out of all proportion to their small number.

The Rhodes University Scifest Africa 2018 Programme is presented by the Faculty of Science. Find out more about the various departments, the world-class research done in each, and why Rhodes University is “where leaders learn”.

Rhodes University  
Somerset Street  
Grahamstown  
www.ru.ac.za

Start	End	Organisation Title	Audience	Capacity	Price	Venue
<b>WEDNESDAY, 7 MARCH</b>						
09h00	09h45	<b>Rhodes University Department of Chemistry</b> <i>Glassblowing Workshop Demonstration</i>	Gr 10	10	R15	RU Chemistry and Pharmaceutical Sciences Building, Glassblowing workshop
<b>THURSDAY, 8 MARCH</b>						
09h00	09h45	<b>Rhodes University Department of Chemistry</b> <i>Glassblowing Workshop Demonstration</i>	Gr 10	10	R15	RU Chemistry and Pharmaceutical Sciences Building, Glassblowing workshop
09h00 11h00	10h00 12h00	<b>Rhodes University Department of Chemistry</b> <i>Titrations</i>	Gr 11-12	20	R5	Rhodes University Chemistry and Pharmaceutical Sciences Building, Lower Ground level First Year Lab
<b>FRIDAY, 9 MARCH</b>						
09h00 11h00	10h00 12h00	<b>Rhodes University Department of Chemistry</b> <i>Funky Fun Organic Chemistry</i>	Gr 11-12	20	R5	Rhodes University Chemistry and Pharmaceutical Sciences Building, Lower Ground level First Year Lab
09h00	09h45	<b>Rhodes University Department of Chemistry</b> <i>Glassblowing Workshop Demonstration</i>	Gr 10	10	R15	RU Chemistry and Pharmaceutical Sciences Building, Glassblowing workshop
<b>SATURDAY, 11 MARCH</b>						
09h00 11h00	10h00 12h00	<b>Rhodes University Department of Chemistry</b> <i>Exothermic/Endothermic reactions</i>	Gr 9	50	R5	Rhodes University Chemistry and Pharmaceutical Sciences Building, Lower Ground level First Year Lab
<b>TUESDAY, 12 MARCH</b>						
09h00	09h45	<b>Rhodes University Department of Chemistry</b> <i>Glassblowing Workshop Demonstration</i>	Gr 10	10	R15	RU Chemistry and Pharmaceutical Sciences Building, Glassblowing workshop
<b>WEDNESDAY, 13 MARCH</b>						
09h00	09h45	<b>Rhodes University Department of Chemistry</b> <i>Glassblowing Workshop Demonstration</i>	Gr 10	10	R15	RU Chemistry and Pharmaceutical Sciences Building, Glassblowing workshop

## WORKSHOPS

DEPARTMENT OF CHEMISTRY, CHEMISTRY AND PHARMACEUTICAL SCIENCES BUILDING, RHODES UNIVERSITY, ARTILLERY ROAD

## GLASSBLOWING WORKSHOP DEMONSTRATION



<b>DATE:</b>	7, 8, 9, 12 and 13 March
<b>TIME:</b>	09h00-09h45
<b>VENUE:</b>	Glassblowing Workshop, Lower Ground Level
<b>AUDIENCE:</b>	Grade 10+
<b>CAPACITY:</b>	10
<b>PRICE:</b>	R15

Watch a master at work and learn more about glass, its versatility and the art of glassblowing in this interactive demonstration.

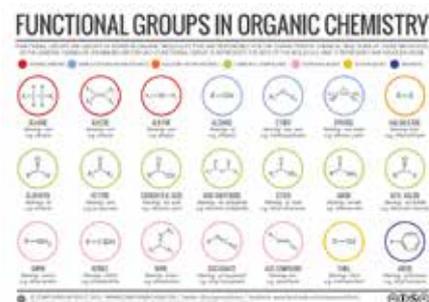
## TITRATIONS



<b>DATE:</b>	8 March
<b>TIME:</b>	09h00-10h00, 11h00-12h00
<b>VENUE:</b>	First Year Lab, Lower Ground Level
<b>AUDIENCE:</b>	Grade 11-12
<b>CAPACITY:</b>	50
<b>PRICE:</b>	R5

Do your own acid-base titrations, and learn more about studying chemistry at Rhodes University, in this practical workshop hosted in the university's laboratory.

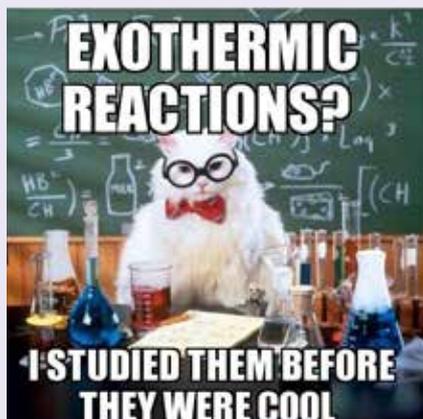
## FUNKY FUN ORGANIC CHEMISTRY



<b>DATE:</b>	9 March
<b>TIME:</b>	09h00-10h00, 11h00-12h00
<b>VENUE:</b>	First Year Lab, Lower Ground Level
<b>AUDIENCE:</b>	Grade 11-12
<b>CAPACITY:</b>	50
<b>PRICE:</b>	R5

The most important skills a young scientist can develop are observation, accurate recording and reasoned deduction. These skills will be developed in the context of changing colours, making new compounds and even smelling strange smells! Organic chemistry shouldn't be so mysterious, so come and learn about how we test and "see" them.

## EXOTHERMIC/ENDOTHERMIC REACTIONS

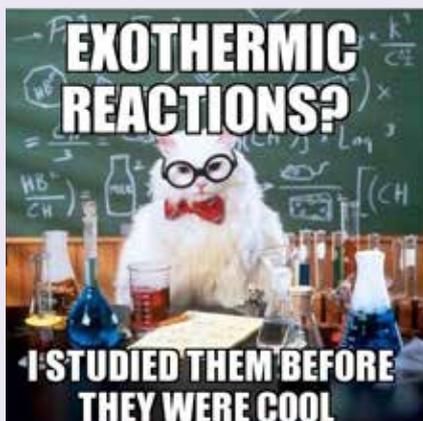


<b>DATE:</b>	12 March
<b>TIME:</b>	09h00-10h00, 11h00-12h00
<b>VENUE:</b>	First Year Lab, Lower Ground Level
<b>AUDIENCE:</b>	Grade 9
<b>CAPACITY:</b>	50
<b>PRICE:</b>	R5

Hot or cold, In or out. Where does the energy flow in reaction? Come find out.



## EXOTHERMIC/ENDOTHERMIC REACTIONS



<b>DATE:</b>	12 March
<b>TIME:</b>	09h00-10h00, 11h00-12h00
<b>VENUE:</b>	First Year Lab, Lower Ground Level
<b>AUDIENCE:</b>	Grade 9
<b>CAPACITY:</b>	50
<b>PRICE:</b>	R5

Hot or cold, In or out. Where does the energy flow in reaction? Come find out.

## EXHIBITIONS

EDEN GROVE, RHODES UNIVERSITY, LUCAS AVENUE

RHODES UNIVERSITY BIOTECHNOLOGY  
INNOVATION CENTRE

UNIVERSITY BIOTECHNOLOGY  
INNOVATION CENTRE  
ADVANCING BIOTECHNOLOGY  
THROUGH 3D PRINTING



Rapid advances in three-dimensional (3D) printing has revolutionized biotechnology that will take mankind forward into a bold future. Come & see how the bioscientists at the Rhodes University Biotechnology Innovation Centre (RUBIC) are using 3D printing techniques to prototype & build tools to clean water, test for diseases and hopefully to even build lab grown human tissues.

[www.ru.ac.za/biotechnology](http://www.ru.ac.za/biotechnology)

FACULTY OF PHARMACY

DERMATOLOGIC HEALTH:  
DANGEROUS CHEMICALS IN SKIN  
LIGHTENING PRODUCTS



Current discussion within the dermatological community is about the safety and regulation of many chemicals that are used in dermatological products. Surprisingly, sparse information is available on the epidemiology of the health impacts of these practices among the general population. This is a perfect opportunity to present an overview of the practice of skin bleaching and to raise more awareness of the dangers of this practice on a cosmetic basis, primarily to lighten normal dark skin.

[www.ru.ac.za/pharmacy/](http://www.ru.ac.za/pharmacy/)

## More from Rhodes University...

Rhodes University exhibitions also feature in the Waterworld programme. These include the Department of Freshwater Invertebrates (Albany Museum), Department of Biochemistry & Microbiology (Marine Natural Products Research Consortium), Department of Ichthyology & Fisheries Science, Department of Zoology & Entomology (Centre for Biological Control), and the Institute for Water Research.