

# Café Scientifique

Modern Alchemy:

*Making value out of waste water*



What's wrong with current water purification methods and how do they actually create more waste?

What is Eutectic Freeze Crystallization and why is it a hot topic?

Professor Alison Lewis will explain how freezing is potentially a more effective option than heating as a solution to South Africa's mining waste water treatment.

Over a glass of wine, Alison Lewis will talk about these challenges and the 21st century solutions. She will encourage lively debate and discussion – all in the grand tradition of a Café Scientifique.



Alison Lewis has a BSc (Chem Eng), MSc (Eng) and PhD, all from the University of Cape Town. She is a registered Professional Engineer and a Fellow of the University of Cape Town. She is currently the Head of the Chemical Engineering Department as well as Director of the Crystallisation and Precipitation Research Unit. The Research Unit works nationally and internationally as specialists in the field of Industrial Crystallization and Precipitation. She holds a number of patents in this field.

In addition to the Café Scientifique event, you will be welcome to view the current exhibition at the gallery.



**Date:** Tuesday 3rd June 2014

**Time:** 6 for 6:30 to 8pm

**Venue:** The Irma Stern  
Museum

**Address:** Cecil Road, corner of  
Chapel Road, Rosebank

**Tel:** 021 650 2953

**RSVP:** Please email  
UCTcafescientifique@gmail.com if

you are interested in attending,  
indicating number of people.

Please note that numbers are strictly  
limited. If space is available, an  
admission ticket will be sent to you.