

## August 2015

### RECENT EVENTS

#### MISSIONS ABOVE LOW EARTH ORBIT: CHALLENGES FOR PHYSIOLOGIC ADAPTATION

Wits alumnus, Professor Dan Berkowitz (MBBCh 1984) was awarded a Carnegie-Wits Diaspora Fellowship and visited the Department of Anaesthesiology from 3 - 7 August. He is a Professor of Anaesthesia and Critical Care Medicine, and Biomedical Engineering at Johns Hopkins University School of Medicine. He is also team leader for the National Space Biomedical Research Institute Cardiovascular Alterations Team. His research, which is funded by the NIH, NASA and the National Space Biomedical Research Institute, concentrates on the effects of deep space radiation on the cardiovascular system and ways to protect astronauts and promote recovery.

In his lecture Professor Berkowitz described data sets of cardiovascular and orthostatic tolerance and intolerance gathered in microgravity conditions simulated in his laboratory at the Brookhaven National Laboratory in New York. Reminding the audience of the space shuttle Columbia's fateful last voyage, he briefly mentioned his research connected to its 16 day science research mission in 2003. Sadly, the shuttle disintegrated upon re-entry, all seven astronauts on board were killed, and all their data was lost. There have been no further scientific research missions in space. He mentioned that engineers have a different approach to problems, thus engaging in biomedical research in an engineering culture can be a challenge. Other difficulties include ensuring anonymity of research participants as the study population (astronauts) is so small.

Hosted by Dr Desmond Lines, Professor Berkowitz's programme included meeting the anaesthetics teams at the Faculty's academic hospitals; an introduction to Wits's Biomedical Engineering Research Group headed by Professor David Rubin; meetings with his host department's registrars, researchers and postgraduate students and a session with the Faculty's emergent researchers. He also met Professor Trefor Jenkins who was an early mentor during his Fellowship at the Department of Human Genetics, South African Institute for Medical Research. *Report: Kurium Govender*

Photograph: Professor Dan Berkowitz, Professor Chris Lundgren, Dr Des Lines



#### FROM OCCUPATIONAL TO ENVIRONMENTAL EXPOSURES: NEW PERSPECTIVES ON MANGANESE NEUROTOXICITY



On 30 July, Professor Brad Racette from Washington University gave the above talk in which he described a series of studies in Mn-exposed welders who work in shipyards on the Great Lakes in Wisconsin, USA. His team has demonstrated that Mn-exposed welders have a higher prevalence of parkinsonism, the clinical signs found in patients with Parkinson disease, than a control population, and that there is a U-shaped dose-response relationship between parkinsonism and welding exposure. However, in a cohort of nearly 500 welders with repeated evaluations over five years, there appears to be a monotonic welding-dose-dependent relationship with progression in parkinsonism.

A subset of these workers have undergone extensive brain imaging with positron emission tomography (PET) and magnetic resonance imaging (MRI); the key findings are that welders have pre-synaptic dopaminergic dysfunction with compensatory post-synaptic dopamine receptor upregulation. To try to

understand the relationship between Mn exposure and Parkinson disease, they have used administrative data from Medicare, the US national healthcare programme for the elderly. In a series of studies, they demonstrated that the incidence and prevalence of Parkinson disease are non-randomly distributed with a concentration in the Midwestern and Eastern US, and that there is a higher incidence of Parkinson disease in counties with high Mn emission compared to counties with low Mn emissions. In addition, they have demonstrated that patients with Parkinson disease living in counties with high Mn emissions have reduced survival compared to Parkinson disease patients living in counties with low Mn emissions. Overall, this work demonstrates that Mn exposure is associated with dose-dependent progressive parkinsonism, damage to the same pathways involved in Parkinson disease, and a possible causal link with Parkinson disease. *Report: Professor Gill Nelson*

Photograph: Professors Gill Nelson, Brad Racette

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## PRICELESS HOLDS SECOND MEETING ON FISCAL POLICIES FOR HEALTH



Photographs: Thulani Masilela, Presidency SA, Ramanan Laxminarayan, Centre for Disease Dynamics, Economics and Policy (CDDEP) and Public Health Foundation of India (PHFI), Yussuf Saloojee, National Council Against Smoking, Karen Hofman, PRICELESS SA and Ismail Momoniati, National Treasury

Hosted by PRICELESS SA, an interesting day of debate took place as delegates to the Expert Panel met for a second time on 28 August 2015. The goal of this work is to identify opportunities for fiscal policies to lessen South Africa's considerable health burden. Under the chairmanship of former Judge of the Constitutional Court, Justice Kate O'Regan, the panel discussed a list of possible fiscal policy interventions, which can be powerful tools for health promotion. These were drawn up following the first meeting of the panel earlier this year. The Expert Panel considered which of these interventions should be investigated and modelled in further detail prior to the final meeting scheduled for 2016.

A similar process is taking place in India under the direction of Professor Ramanan Laxminarayan who directs the Center for Disease Dynamics, Economics and Policy (CDDEP) and is based at the PHFI (Public Health Foundation of India). The work in India was presented by researchers Amit Summan and Ashvin Ashok.

The PRICELESS SA research is supported by a grant from the Bill & Melinda Gates Foundation through the Center for Disease Dynamics, Economics and Policy.

PRICELESS is based at the Wits School of Public Health [www.priceless.ac.za](http://www.priceless.ac.za)

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## CONGRATULATIONS!

### THE NATIONAL HEALTH LABORATORY SERVICE WINS AWARD!



The National Health Laboratory Service (NHLS) which was nominated by the Swiss Institute for Quality Standards (SIQS) and the Socrates Committee for the prestigious **international award in 'European Quality' in the healthcare sphere** category, won the award! Ms Joyce Mogale, interim CEO of the NHLS, is pictured here (second from left) receiving the award in Montreux, Switzerland, during the **Summit Excellence in Quality** from 30 June - 2 July 2015.

These awards aim to spread the Swiss Quality concept and implement advanced quality standards, and for the NHLS the award is in recognition of the safe and effective treatment methods, the highly professional medical staff and services quality in accordance to the European standards.

### **DR NOMATHEMBA CHANDIWANA IS AN OUTSTANDING SOUTH AFRICAN!**

The *Mail and Guardian* recently identified [Dr Nomathemba Chandiwana](#) as one of the 200 young outstanding South Africans. Dr Chandiwana is a paediatrician, focusing on children who are infected with HIV before birth. She is a Programme Advisor at Wits Reproductive Health and HIV Institute for child and adult health and a 2015 Fellow of the Consortium for Advanced Research Training in Africa.



At school she excelled in the sciences, but rebelled against the pressure to become a doctor like her father. She worked as a health and public safety officer in London before embarking on a qualification in medicine. Dr Chandiwana has made a transition from being a hospital doctor to doing research and policy work with Wits RHI, though she keeps her hand in by seeing patients twice a week.

Her focus has become a group of children infected with HIV before birth, but who made what is referred to as a 'late progression' to Aids. With a Masters in Public Health and currently working as a PhD candidate in Public Health, she is a leading researcher in her field, and takes a public health perspective — she intends to use her knowledge to strengthen South Africa's health system.

For the full story please see: *Wits Weekly* issue 31: 12 August 2015

### **OBAMA MANDELA YOUNG AFRICAN LEADER: NOLUNTHANDO DUMA**

Noluthando (Thando) Duma, a medical technologist at the Centre for Respiratory Diseases and Meningitis (CRDM), was selected as one of 25 scholars from sub-Saharan Africa to attend The Mandela Washington Fellowship for Young African Leaders, a flagship programme of President Obama's Young African Leaders Initiative (YALI). As a Mandela Washington Fellow, she spent six weeks doing an academic residency in civic leadership and public management at Florida International University in Miami. She also spent time in Washington DC, where she participated in a Washington Fellows Summit hosted by President Obama, visited the White House and other cities of historical significance in the US.



The Washington Fellowship is the flagship programme of the Young African Leaders Initiative (YALI) whose goal is to empower young African leaders through academic coursework, leadership training, mentoring, networking, professional opportunities and support for activities in their communities.

Ms Duma is also the founder and managing director of Nal'uthando Rehabilitation Center, which provides psychological and emotional support to young people in child-headed homes, pregnant girls and unemployed youth by educating them on well-being issues including vaccinations, as well as helping them to find jobs.

The NICD is proud of Ms Duma and knows that she will use her leadership strengths and make a difference in her community and South Africa.

For further information please see:

<http://www.caribbeantoday.com/education/item/21859-washington-fellowship-for-young-african-leaders-brought-a-new-class-of-fellows-to-fiu.html>

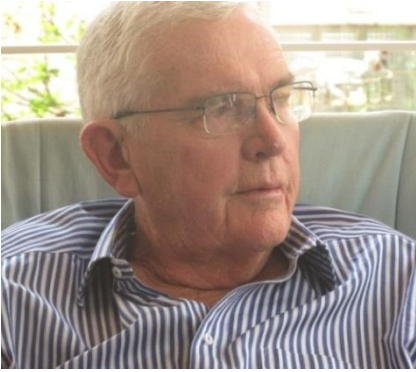
<http://www.miamiherald.com/news/local/community/miami-dade/article29875018.html>

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## OBITUARIES

### **PROFESSOR ROBERT (BOB) WILLIAM CHARLTON (27 January 1929 – 30 July 2015)**



The Wits flag flew at half-mast to honour the memory of former Wits Vice-Chancellor, Professor Bob Charlton, who passed away on 30 July 2015 at the age of 86 after a brief illness.

Professor Charlton's association with Wits began in 1946 when he registered as an undergraduate medical student. He was awarded the degree of MBChB in 1963 and appointed as Professor of Experimental and Clinical Pharmacology in 1967. In 1972 he was appointed Assistant Dean (Planning) and put in charge of the Planning Committee which oversaw the building of the New Medical School and the Johannesburg Academic Hospital in Parktown. In 1975, he was elected as a Senate representative on the University

Council while serving as Assistant Dean of the Medical School. In 1978, he was elected Dean and served in that capacity until his appointment as Deputy Vice-Chancellor in 1980. In February 1988, he was appointed Vice-Chancellor and Principal of Wits and held office for two terms until 1997. Under his steadfast and principled leadership, the University was steered on an even course during challenging times in the late 1980s and 1990s. In 1998 he was awarded an honorary LL.D. by Wits.

During his career he served on many important bodies, including the Medicines Control Council, the South African Medical and Dental Council, the Johannesburg Hospital Board, the Coronation Nursing College Council, the Witwatersrand Technikon Council and the Johannesburg College of Education Council. He also served with dedication on the Board of Governors of the Wits Foundation. He was invited to be a Trustee in 1987, was reappointed in 1997 and served voluntarily in this position until 2008.

He had a passion for education and a lifelong commitment to the University that continued in many formal and informal capacities in recent years. He initiated and supported the Charlton Awards for Service Excellence for support staff, and was always present to hand out these coveted awards to exceptional staff. He regularly attended Wits events and maintained a deep interest in the University.

Dr Max Price, Vice-Chancellor of UCT, writes: 'During the late apartheid period, Wits and Cape Town were allies and frequently combined forces in engaging the government, directly and through the courts and media. Bob Charlton and Stuart Saunders, the vice-chancellors at our respective universities, conferred frequently, strategized on how to protect students and their institutions, and sought funding for black students and academic development at UCT and Wits. Both jointly challenged the then Minister of Education, FW de Klerk, to overturn legislation that would have destroyed the limited academic freedom that still existed in the late 1980s.'

The Wits Vice-Chancellor and Principal, Professor Adam Habib writes: 'We acknowledge with gratitude the invaluable contribution that Professor Charlton made to Wits University. Wits has indeed lost one of its stalwarts today. His wife Margaret, also deeply involved in university life, passed away some years ago. Our deepest condolences are extended to Professor Charlton's family, friends and former colleagues and students, and especially to his three daughters, Sarah, Julia and Diana, and his son, Robert, all of whom have close ties with Wits.'

On behalf of the Dean of the Faculty of Health Sciences, Professor Martin Veller, we extend the Faculty's condolences to Professor Charlton's family.

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### **PROFESSOR PRISCILLA KINCAID-SMITH BSc (1946), MBChB (1951), DCP, MD, DSc (1982), CBE, AC (30 NOVEMBER 1926 – 18 JULY 2015)**

Professor Priscilla Kincaid-Smith, known as 'the mother of nephrology', was born in Johannesburg. A talented swimmer and hockey player, she was one of a remarkable trio of BSc graduates, the other two being Phillip V Tobias and Dr Sydney Brenner, who received BSc (Hons) degrees in 1946 and then continued with their MBChB degrees. They all went on to carve brilliant careers for themselves. She graduated in 1951 and from 1951 to 1953, she worked at Baragwanath Hospital. In 1953 she went to London to study pathology at the Hammersmith Hospital on a project that initiated her interest in kidneys, blood vessels and high blood pressure. She received a Diploma in Clinical Pathology in 1954 and worked with her mentor, Sir John McMichael, on the treatment of malignant hypertension.



She met and married Ken Fairley in 1958 and they moved to Australia where she lived for the rest of her life.

She worked as a research fellow at the Baker Institute for a year and then as a senior associate in medicine at the University of Melbourne (1961–65) and Director of Nephrology at The Royal Melbourne Hospital where she set up the renal transplant programme (1967–1991). In 1967 she was appointed a full-time associate in medicine at the Royal Melbourne Hospital, and a Doctor of Medicine in 1968. In the 1970s she focused on the prevention of renal failure and in 1975 was appointed Professor of Medicine at the University of Melbourne and Physician in Nephrology, Royal Women's Hospital until her retirement in 1991.

In the early 1960s she demonstrated overwhelming evidence of the link between headache powders and kidney damage and campaigned strongly against their use. She also made substantial contributions to research on the link between the kidneys and high blood pressure.

She was appointed Commander of The Order of the British Empire (Civil) on 14 June 1975, for services to medicine. In 1989 she was appointed a Companion of the Order of Australia (AC). She has also been the recipient of many honorary degrees and fellowships, including an honorary DSc (Med) from Wits in 1982. She was the first woman to become President of the Royal Australasian College of Physicians (1986 – 1988) and was the winner of the Australian Achiever Award in 1997 for a lifetime's work in renal health. She was a Fellow of the Academy of Medicine of Mexico and the Royal Post-Graduate Medical School, London University, as well as an Honorary Fellow of the Royal College of Physicians and Surgeons of Canada, the Royal College of Physicians of Ireland, the Royal College of Physicians and Surgeons of Glasgow and the Royal College of Physicians of Edinburgh. She was also a Foreign Associate of the Royal Society of South Africa.

She was a past president of the Australian Medical Association, the World Medical Association, the Asian Pacific Society of Nephrology and International Society of Nephrology. She blazed a trail for women as the first female professor at the University of Melbourne in 1975, first female chair of the Royal Australian College of Physicians, first female chair of the Australian Medical Association and the first female chair of the World Medical Association.

She is survived by her husband, Dr Ken Fairley, her three children and many grandchildren. A Memorial Service was held in Melbourne on 25 July 2015.

On behalf of the Dean of the Faculty of Health Sciences, Professor Martin Veller, we extend the Faculty's condolences to Professor Kincaid-Smith's family.

<http://www.abc.net.au/news/2015-07-21/trailblazing-female-scientist-priscilla-kincaid-smith-remembered/6637276>

<http://apsneph.org/a-tribute-to-priscilla-kincaid-smith-apsns-first-president/>

<https://www.science.org.au/node/335824>

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## **NEWS FROM THE STUDENTS**

### **WITS STUDENTS CHANGE LIVES**



Two children who suffer from facial paralysis due to a condition called Moebius Syndrome, had reconstructive surgery in July 2015 as a result of a fundraising initiative by Wits medical students. Students from the Wits Surgical Society raised R600 000 by climbing Mount Kilimanjaro in 2014 and by participating in the Momentum 947 Cycle Challenge. These funds were used to assist specialists at Charlotte Maxeke Johannesburg Academic Hospital to operate on the two children.



Facial paralysis is a severely debilitating condition with profound aesthetic, functional, psychological and developmental effects.

A number of surgical registrars from Wits and other national academic units received expert guidance from Professor George Psaras, the Medical Director and Co-Founder of the Smile Foundation, who is recognised as one of only a handful of surgeons in the world skilled to perform this type of Facial Reanimation Surgery.

Stephanie van Straten, President of the Wits Students Surgical Society, says the funds advance the true call of medicine – changing and saving lives.

The Smile Foundation has been partnering with academic hospitals in South Africa for 15 years to assist underprivileged children with facial conditions, alleviating backlogs in the hospitals, encouraging skills transfer, and offering psychological support and other auxiliary services as well as supporting the Charlotte Maxeke Johannesburg Academic Hospital through the Departments of Plastic and Reconstructive Surgery. To date, over 1 500 children have benefited from surgeries across the country through the partnership with state academic hospitals.

## FUNDISA ANNUAL STUDENT FORUM

Melissa Joubert BNIV and Thabang Mokoena BNIII write: 'The annual FUNDISA student forum was held at the University of KwaZulu-Natal this year. We had the privilege of attending this inspiring event. Fifteen universities were represented at the forum. During welcoming messages a sense of pride and passion for nursing was instilled. Statements such as: "I long for the day where nurses are advocates for patients"



created a sense of drive to go out to the community, give back and to show pride in being a nurse. We had an inspiring talk by Professor Hester Klopper regarding Quo Vadis ("Where are we going?"). She spoke about the nursing profession, its current state and the future of nursing.



We had several career option presentations to broaden our vision of possibilities of fields of work after graduating and to encourage us to further our studies. A presentation about leadership by Mr Douglas Petersen and Professor Klopper motivated us to take on leadership roles in order to make a change.

The students made presentations on their universities. We stood out in the crowd by playing a video combining our slide show with pictures and a voice over explaining the slides, along with some music instead of just having the traditional slide show presentation.

The introduction to SANSA and the discussion of its constitution took place at the forum as well as its launch. SANSA is the South African Nursing Students Association, a new organisation created by student nurses. The idea began at the 2014 FUNDISA Student Forum. The intent is to have a SANSA structure at each university that offers a degree in nursing. The aim of this committee is to unite nursing students and to raise their level of professionalism. It also promotes students as change agents. After being introduced to SANSA students reviewed its draft constitution. It was very exciting to be involved in history in the making! The first ever executive SANSA committee was elected and much to our pride Thabang was elected the chairperson: thus the first chair is a Witsie!

Last words of wisdom were received from Mr Peterson speaking about responsible citizenship. He promoted self-introspection and left us with great mottos to keep us motivated and moving forward. 'The forum was inspirational and motivating and reignited our passion for nursing and drive for success.'

Photographs: (above): First elected SANSA Executive Committee; (below): Thabang Mokoena (Wits), Melissa Joubert (Wits), Professor Gugu Mchuna (Academic Leader, University of KZN), Professor Busi Ncama (Dean, School of Nursing and Public Health, University of KZN)

## MANDELA DAY PLEDGE WEEK: THE CHANCEPLANT INITIATIVE



Wits based medical and other students created The Chanceplant Initiative with three main goals regarding organ transplantation in our country:

Firstly to raise the capital required to contribute to the creation and revitalisation of an Advanced Transplant Unit at the Charlotte Maxeke Johannesburg Academic Hospital (CMJAH);  
Secondly to create awareness both in our immediate environment as well as in society at large about the benefits of organ transplantation;  
Thirdly to encourage an engagement and discourse by all sectors of people in our country around organ transplantation due to ethical issues and differing beliefs.

As part of Mandela Day (18 July) the ChancePlant Initiative encouraged all people from every walk of life to pledge to make a difference to a cause close to their hearts. This was run for the week prior to Mandela Day. Interactive boards were set up outside the Adler Museum foyer at Wits Medical School and students were able to make pledges that would change their lives or the lives of the communities around them. Students pledged to donate their time to a cause close to their hearts, money to a cause they felt needed it or to spread awareness about a cause that was important to them. Simultaneously an online pole was run on Facebook using the same pledges.

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## MARGOT LACHMAN TRAVEL FELLOWSHIP

The Margot Lachmann Travel Fellowship was established through the generous donation from the estate of the late Margot Lachmann. The Fellowship Fund is to be used to enable promising postgraduate students and junior consultants in the Faculty of Health Sciences the opportunity to travel abroad or locally, to attend an appropriate centre for medical research, conference or training to further clinical or research skills in the field of hearing impairment.

Applicants should submit a letter of motivation stating the benefits to be derived from the award, together with their curriculum vitae and the following information with their application:

- a) Details of the training course/conference; and
- b) A letter of motivation from the relevant Head of Department.

Applications must be directed to Marlese Blom, Department of Internal Medicine at:  
[Marlese.Blom@wits.ac.za](mailto:Marlese.Blom@wits.ac.za)

**The closing date for applications is 17 August 2015.**

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## INVITATIONS

### GROWING UP IN SOUTH AFRICA: DOES CHILDHOOD INFLUENCE ADULT HEALTH AND DISEASE-RISK?

The Deputy Vice-Chancellor (Research and Postgraduate Affairs), Professor Zebon Vilakazi invites you to the Inaugural Lecture of Professor Shane Norris of the Developmental Pathways for Health Research Unit, Faculty of Health Sciences. Professor Norris' lecture will be synthesis of over 25 years of longitudinal research and present how Soweto-Johannesburg has transitioned since 1990 and its impact on children's growth and development, and the implications for adult obesity, diabetes, and hypertension-risk.

Date: **18 August 2015**

Time: 17:30 for 18:00

Venue: Marie Curie Lecture Theatre, Parktown Health Sciences Campus

Enquiries: [Rechelle.Tsunke@wits.ac.za](mailto:Rechelle.Tsunke@wits.ac.za) or call 011 717-1193

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# HEALTH SCIENCES TRADE FAIR



The Wits Medical Students' Council  
invites you to our annual Trade Fair.

Venue: Outside Adler Museum  
4th Floor Medical  
School

Dates: 24 – 28 August 2015

Time: 08:00 – 17:00

There will be many exhibitors promoting  
equipment, clothing and services.

For more information e-mail  
[mywitsmsc@gmail.com](mailto:mywitsmsc@gmail.com)







Science & Cocktails: public science lectures intertwined with musical performances and smoky dry-ice chilled cocktails.

**Title:** The ultimate challenge: an AIDS vaccine

**Speaker:** Prof. Lynn Morris (NICD & University of the Witwatersrand)

**Date:** 25 August 2015

**Venue:** The Orbit, 81 de Korte Street, Braamfontein

Is it possible to make an AIDS vaccine? Why do we need one? How far are we in developing one and what role is South Africa playing in this endeavour? Are there other ways to control the AIDS epidemic?

More than thirty years after the first documented cases, AIDS continues to ravage many parts of the world, with sub-Saharan Africa particularly badly affected. In South Africa alone, almost six million people are living with HIV. Although the development and availability of anti-retroviral drugs has helped to improve the quality of life for those afflicted with the disease, the world's best hope to stop the epidemic rests on developing a safe and effective AIDS vaccine.

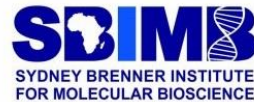
Professor Lynn Morris, whose laboratory at the National Institute for Communicable Diseases has made significant contributions towards this goal, will discuss the successes and challenges involved in developing an AIDS vaccine.

Afterwards, therapeutic cocktails at the bar and viral jazz by a stellar line-up: Peter Sklair joined by Louis Mhlanga, Paul Hanmer, Mike Bester and Sam Ibeh. Peter will be presenting some of his own compositions, as well as those of icons such as Wayne Shorter and Herbie Hancock. The music will be improvised, impressionistic and electric with a dash of funk.

Entrance to the event costs R20. Doors open at 18:30, no admittance after 20:00. No registration is necessary but guests are strongly encouraged to arrive early. Guests wishing to have dinner before the event should book in advance with The Orbit and arrive at 18:30.

<http://www.scienceandcocktails.org/jozi/2015/AIDSVaccine.html>

To be informed of future events, **like** their page of facebook:  
<https://www.facebook.com/scienceandcocktailsjozi>



## ***SYMPOSIUM: GENOMICS ON THE MOVE***

The Sydney Brenner Institute for Molecular Bioscience (SBIMB), in conjunction with the Novartis Institutes for Biomedical Research (Basel, Switzerland) and the Centre for Genomic Regulation (CRG), (Barcelona, Spain) are hosting a one day symposium at Wits on the 10<sup>th</sup> September 2015. Topics covered will include: Genome research in Africa; haplotypes of disease; cancer driver genes and tumour evolution. Notable international speakers include Frank Staedtler and Fared Mirza from the Novartis Institutes for BioMedical Research and Luis Serrano, Xavier Estivill, Stephan Ossowski and Rory Johnson from the CRG. Through postgraduate presentations, the progression from research to clinical application will be explored. Postgraduate international exchange programme opportunities, namely the CRG-Africa-Mobility Programme in Barcelona, Spain and the Novartis Next Generation Scientist Programme in Basel, Switzerland will also be discussed. Additionally, South African students who have been involved in the programme will showcase their research.

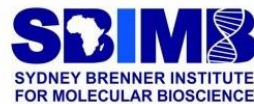
**DATE: 10 September 2015**

**TIME: 08:00 to 16:15**

**VENUE:** School of Public Health Auditorium, Faculty of Health Sciences, University of the Witwatersrand

If you have any queries please do not hesitate to contact Michelle Ungerer  
[michelle.ungerer2@wits.ac.za](mailto:michelle.ungerer2@wits.ac.za) / 011 717 6631

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## ***WORKSHOP: GENOMICS ON THE MOVE***

The Sydney Brenner Institute for Molecular Bioscience (SBIMB), in conjunction with the Novartis Institutes for Biomedical Research (Basel, Switzerland) and the Centre for Genomic Regulation (CRG), (Barcelona, Spain) are hosting a three day workshop at Wits from the 7<sup>th</sup> to the 9<sup>th</sup> September 2015. The workshop will include lectures and hands on applications covering next-generation sequencing (NGS) analysis using exome sequences and transcriptome data. Facilitators of the course include Scott Hazelhurst and Shaun Aron from Wits, Frank Staedtler from the Novartis Institutes for BioMedical Research and Xavier Estivill, Stephan Ossowski and Rory Johnson from the CRG.

**DATE: 7 – 9 September 2015**

**TIME: 08:00 to 17:00**

**VENUE:** MSL111, Mathematical Sciences Laboratory, University of the Witwatersrand

To apply please complete the application form at <http://goo.gl/forms/iHIJHku3qn>

If you have any queries please do not hesitate to contact Michelle Ungerer  
[michelle.ungerer2@wits.ac.za](mailto:michelle.ungerer2@wits.ac.za) / 011 717 6631 Website: [www.wits.ac.za/research/sbimb](http://www.wits.ac.za/research/sbimb)

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**FACULTY TEACHING AND LEARNING SYMPOSIUM: 2 September 2015**

*From Molecules to the Workplace*

**Workshop to be led by Professor PK Rangachari (NB numbers for this workshop will be restricted)**

**Venue:** Marie Curie Lecture Theatre

There is no fee, but attendance must be registered to facilitate catering.

**Closing date for registration: 24 August 2015**

**Draft programme**

Time		Speaker
0800-0830	<b>Registration</b>	
0830 - 0850	Opening	Prof M Veller
0850 - 0930	Deep teaching in a standards-based world.	Guest speaker: Prof PK Rangachari
1030 - 1100	<b>Tea</b>	
11:00 -12:20	<ul style="list-style-type: none"> <li>Does a teaching and learning road-map make a difference? The experience of the Wits School of Public Health.</li> <li>Evidence of “diseases of the curriculum”:- recommendations for application of Harden’s integration ladder to promote integrative learning</li> <li>WebQuest as a mode for first year student orientation to online resources</li> <li>Using Legitimation Code Theory (LCT) to Explore Knowledge And Knowers in the Health Sciences</li> </ul>	<u>Sara Nieuwoudt</u> , Charles Chasela and Laetitia Rispel  Shalote Chipamaunga  Paula Barnard & Janine van der Linde  Shirra Moch
1220 - 1300	<b>Lunch</b>	
13:00-14:15	<ul style="list-style-type: none"> <li>Trials and tribulations of increasing post-graduate throughput in the Wits School of Public Health (WSPH) – lessons from the Legacy Student Project</li> <li>Students’ use and perceptions of the impact of interventions and services offered by the Office of Student Support</li> <li>The impact of a modified Cohen method of standard setting on pass marks and pass rates in the Molecular Medicine II course.</li> <li>Student perceptions and effects of ADP tutorials in the MBBCH II and BHSc II Molecular Medicine Course</li> </ul>	<u>Janine White</u> , Laetitia Rispel, Nicola Christofides and Gill Nelson  Constance Khupe; Reverie Kuschke and Thakor Parbhoo  Penny Keene, Scarpa Schoeman, Shirra Moch, G. Mubuuke  Natalie Whalley & Penny Keene
1430 - 1440	<b>Comfort break</b>	
1440 - 1510	Context counts: The Role of Context in Health Professions Education	Prof Ian Couper – SAAHE 2014 distinguished educator
1515 - 1530	Closing remarks	Prof Lionel Green-Thompson
1530	<b>Tea</b>	
16:00 – 18:00	Developing a faculty values charter for teaching and learning	
18:00	Light supper	

For further details and registration forms please contact: **Professor Patricia Mc Inerney:**

**011 717 2073** or [Patricia.McInerney@wits.ac.za](mailto:Patricia.McInerney@wits.ac.za)



## Rural Health Week 2015

### Open Programme

#### Theme of the week:

### Scaling up health professions education to transform rural communities

**CRH visitor: Professor Dr Henry Campos, Rector, Federal University of Ceará, Fortaleza, Brazil;  
Special Advisor to the Federal Minister of Education for Education in the Health Professions;  
Coordinator of the Commission for Expansion of Medical Schools within the Brazilian Federal  
Universities**

#### **Monday 7 September:**

- 12H00-13H00: Committee for Community Based Health Science Education (COBHSE) seminar - **Challenges and opportunities in community based education**  
Venue: Boardroom, Ground Floor, Phillip V Tobias Health Sciences Building  
RSVP required\*
- 13H00-14H00: Informal COBHSE discussion – **Reflections on Community engagement**  
Venue: Boardroom, Ground Floor, Phillip V Tobias Health Sciences Building  
RSVP required\*
- 17H00-18H30: Student debate: **I CAN???? Can students save rural health?**  
Dr Henry Campos: “What do students in Brazil do?”  
Venue: Boardroom, Ground Floor, Phillip V Tobias Health Sciences Building  
All welcome

#### **Tuesday 8 September:**

- 9H00-13H00: **Faculty Development workshop: Leadership in Health Professions Education**  
Open invitation to all Faculty, and academics from other institutions.  
Venue: Room 5A01, 5<sup>th</sup> floor, Wits Medical School, Faculty of Health Sciences  
Hosted by the Centre for Health Science Education (CHSE).  
RSVP to Norman Motlhabani on [Gobotsamang.Motlhabani@wits.ac.za](mailto:Gobotsamang.Motlhabani@wits.ac.za)
- 17H30 for 18H00: Annual Centre for Rural Health seminar in the Adler Museum of Medicine, 4<sup>th</sup> floor, Wits Medical School, Faculty of Health Sciences  
**Developing health professional schools to meet local needs**  
Hosted by the Dean, Professor Martin Veller  
Speakers:
  1. Professor Henry Campos: **Expanding health professional training to meet country goals – the Brazil experience**
  2. Professor Vic Exner, Nelson Mandela Metropolitan University: **Planning a new medical school in South Africa from the bottom up**
  3. Dr Diane Parker, Department of Higher Education and Training: **Supporting the scale up of health professional training in South Africa - the role of Higher Education**
  4. Responses:  
Dr Terence Carter – DDG, National Department of Health  
Professor Adam Habib – Wits Vice-Chancellor and Principal  
RSVP required\*

**\*RSVP (unless otherwise specified) to Mamonyooe Ramahlele: [mamonyooe.ramahlele@wits.ac.za](mailto:mamonyooe.ramahlele@wits.ac.za) or Tel 011 717 2159.**

Please address any enquires to the above.

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**Professor Martin Veller**, the Dean, Wits Faculty of Health Sciences, cordially invites you to the annual Centre for Rural Health seminar:

## DEVELOPING HEALTH PROFESSIONAL SCHOOLS TO MEET LOCAL NEEDS

**Date:** Tuesday 8th September 2015

**Time:** 17:30 for 18:00

**Place:** Adler Museum, Wits Medical School, Parktown

The World Health Organisation called for scale up of transformative health professions education in order to increase the quantity, quality and relevance of health science graduates. How do we produce more health professionals in South Africa that are both sufficiently trained to maintain and improve the standards of health care in the country, and ready and able to work in the areas of greatest need?

**International keynote speaker:**

Dr Henry Campos, MD, PhD, is rector of the Federal University of Ceará, in Fortaleza, Brazil, and a past dean of the faculty of medicine in Ceará University. He is an advisor to the Brazilian Ministries of Health and Education, presently coordinating the Commission for Expansion of Medical Schools. He has played a major role in the expansion of medical training in Brazil over the last 5 years, including leading the development of 29 new rural medical schools.

**Programme:**

1. Professor Henry Campos - "Expanding health professional training to meet country goals - the Brazil


2. Professor Vic Exner, Dean: Faculty of Health Sciences, Nelson Mandela Metropolitan University, Port Elizabeth - "Planning a new medical school in South Africa from the bottom up"

3. Dr Diane Parker, Deputy Director-General: University Education, Department of Higher Education and Training - "Supporting the scale up of health professional training in South Africa - the role of Higher Education"

4. Responsive comments:

- Dr Terence Carter, Deputy Director-General: Hospitals, Tertiary Health Services and Human Resource Development, National Department of Health
- Professor Adam Habib, Vice-Chancellor and Principal, University of the Witwatersrand

*Cocktail snacks will be served*



The Steve Biko Centre for Bioethics with the Faculty of Health Sciences invite you to the

Annual Steve Biko Lecture

# TRANSFORMATION IN HIGHER EDUCATION

What is to be done?  
by Professor Barney Pityana

Prof NB Pityana is a lawyer and theologian and a notable human rights academic and activist.

Friday 11 September 2015 **Date**

12h30 **Registration**

13h00 - 14h00 **Time**




Public Health Resource Centre, School of Public Health, Faculty of Health Sciences **Venue**

7 York Road, Parktown, Johannesburg **Address**

Free **Admission**

CPD 2 HPCSA Accredited Ethics Points

RSVP: [events.stevebikocentreforbioethics@wits.ac.za](mailto:events.stevebikocentreforbioethics@wits.ac.za) | Tel: 011 717 2190


### Workshops / Seminars offered in August/September 2015

**26 August 2015: PBL Facilitator workshop**  
08:30-14:00: CHSE Boardroom (3N08)

**28 August 2015: Journal Club**  
12:00-13:00: CHSE Boardroom (3N08)

**02 September 2015: Faculty Teaching and Learning Symposium**  
08:00-16:00: Marie Curie LT

**08 September: Faculty Development workshop: Leadership in Health Professions Education facilitated by Prof Dr Henry Campos from Brazil**  
Open invitation to Faculty  
09:00-13:00: Venue: Room 5A01, 5<sup>th</sup> floor, Wits Faculty of Health Sciences

**10 September 2015: Preparing and giving a good lecture**  
14:00-16:00: CHSE Boardroom (3N08)

**11 September: Teaching and testing for conceptual understanding. Prof Dee Silverthorn from the University of Texas (USA)**  
12:00-13:00: Venue: CHSE Boardroom

Please contact Norman Motlhabani for bookings: 011 717 2329 or [gobotsamang.motlhabani@wits.ac.za](mailto:gobotsamang.motlhabani@wits.ac.za)  
And Professor Patricia Mc Inerney for more information: 011 717 2073 or [Patricia.McInerney@wits.ac.za](mailto:Patricia.McInerney@wits.ac.za)





# POSTGRADUATE DIPLOMA IN HEALTH SCIENCE EDUCATION

## Teaching Health Professionals?

Consider doing a Postgraduate Diploma in Health Science Education to prepare yourself for teaching in the 21<sup>st</sup> century. The purpose of this programme is to prepare health science practitioners who teach in a health science programme for the teaching role.



## The programme consists of 4 compulsory modules

- Theories of teaching & learning
- Teaching methodologies for health science education
- Essentials of assessment in health science education
- Curriculum design for health science education

**Duration:** One year full time or two years part time.

**Delivery Mode:** Blended Learning; Contact time of 2 weeks / module & e-learning.



## Who can apply?

- Any health science graduate with two years of teaching experience
- Fluency in written and spoken English
- Computer literacy.




## Application Closing Date: 31 October 2015

For further information contact **Prof. P Mc Inerney** on 011 717 2073 or [Patricia.McInerney@wits.ac.za](mailto:Patricia.McInerney@wits.ac.za) | [Gobotsamang.Motlhabani@wits.ac.za](mailto:Gobotsamang.Motlhabani@wits.ac.za) | 011 717 2329



CRESTA



**THE BARNYARD**  
THEATRE



# THANK YOU FOR THE MUSIC

## ABBA, BEE GEES & QUEEN *Tribute*

**The South African Cystic Fibrosis Trust**  
In loving memory of all the angels that lost the fight  
and support to all the heroes that are fighting CF every day.  
The South African Cystic Fibrosis Trust is still a relatively young trust and is registered as a PBO (public benefit organisation) PBO no: 930031287

2012 saw a major crisis when funds started to dry up and the clinic was in danger of closing. But with your incredible support, with the money raised with the previous Barnyard and other initiatives we were able to keep the Adult CF clinic based at Charlotte Maxeke Johannesburg Academic Hospital area 496 open. Please join us again this year for this worthy cause, to realize our Mission in raising funds to facilitate the various tasks promoting the treatment, health and well being of our patients and families affected by Cystic Fibrosis. Remember there will be some auctions and raffles on the evening – so bring some cash!! We look forward to sharing this exiting fun filled evening with you and would love to have the opportunity to thank so many for their support.

Invites you to:  
**THANK YOU FOR THE MUSIC**

ABBA, Queen and The Bee Gees are three of the most influential pop and rock groups of all time. This spectacular Barnyard Theatre Production takes you on a trip through space and time in the 70s and the 80s when glitz, glam and some of the greatest pop tunes ever written emerged.

**Venue:** The Cresta Barnyard Theatre  
**Date:** Friday 2nd October 2015  
**Time:** Doors open at 18:30, Show starts at 20:00  
**Tickets:** R160 per person  
**Bookings:** Annell Cel 072 899 0552 email: [adw4jesus@gmail.com](mailto:adw4jesus@gmail.com)  
Miekie Cel 082 936 1827 email: [miekielindeque@gmail.com](mailto:miekielindeque@gmail.com)

\*Cash bar available. No beverages may be brought in from the outside.





SOUTH AFRICAN CYSTIC FIBROSIS TRUST SACFT

**Health Sciences Review** is published mid-month every month.

The next issue will appear on **11 September 2015**

Deadline for submission of information and pictures: **08 September 2015**

Please send information to: [rochelle.keene@wits.ac.za](mailto:rochelle.keene@wits.ac.za)