

Curriculum Vitae - SUMMARY



Photo by Lizane Louw, Stellenbosch
[August 2007]

Nathaniel William Wilson

, better known as “Nathan”, was born in 1976, in the infamous Grootte Schuur Hospital and spent his infant years and youth in a Southern Suburbs area known as Steenberg (Cape Town, SOUTH AFRICA), in close proximity to the beautiful Table Mountain. After a childhood in many different parts of the Western Cape (Atlantis, Clanwilliam, Grassy Park, Mitchell’s Plain), Nathan eventually settled in the most enchanting town of **Stellenbosch**, as a student in the field of science (**Stellenbosch University**). He currently holds a **Master’s degree in Biochemistry** and has experience in the fields of medical biochemistry, physiology, neuroscience and stress endocrinology. In April 2007 he was appointed as a Research Coordinator for the Ukwanda Centre for Rural Health (Faculty of Health Sciences, Stellenbosch University) and endeavors to establish himself in the fields of medical education and public health. During November 2008, Nathan resigned from Ukwanda to pursue work opportunities abroad. He currently works as a native English-speaking Teacher in South Korea (since 18 November 2008).

Who is Nathan Wilson?

A 32-year old, multi-talented individual who specializes in enjoying life! Other than his academics, his interests are music (playing jazz piano & other instruments), philosophy, sport, art, cultural history, computers and, most importantly, (the science of) people! He thrives best in a multi-functional, multi-disciplinary and multi-cultural environment, with trans-disciplinary approaches to solving life’s puzzles and addressing relevant issues.

What are his aims?

Nathan’s dream is to obtain two non-related PhDs, one in science or business and the other in art or music. His efforts will be geared toward making a life-changing contribution toward the development of people by combining the fields of sport, science and music. As a full-time hobby he aspires to work with his own jazz ensemble, including both vocal and instrumental artists. As part of gaining experience and increasing his expertise, he also dreams of traveling the world and visiting at least six of the seven continents before retirement age.

Nathan’s Philosophy of Life

“It is incumbent upon each person to create their own opportunities for success, wealth and personal growth. Life kicks hard, but the real champions are those who kick back, fighting for what they want and believing that they themselves are worth fighting for. Maturity can only be achieved when one embraces and understands the notion that nobody’s perfect, and that one should believe in people and invest in them. Investments must be allowed to grow, which includes both positive and negative growth, which requires patient understanding, diligent workmanship and many personal sacrifices. Ultimately it is the person who lives in spiritual harmony with his fellow earthlings who enjoys life to the full, which is what we are designed for”.

Contact Details

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Employer:

Kuils River Technical High School
(01 January 2007 – 31 March 2007)

Job title:

EDUCATOR (Teacher) & Subject Head: Mathematics

Contact details:

Tel: +27 21 906 0040
E-mail: Head@krhs.wcape.school.za (Mrs Titus)

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Employer:

Boston Private School, De La Haye, Bellville
(01 January 2006 – 31 December 2006)

Job title:

Educator (Teacher): Senior Biology, Life Sciences
and Physical Sciences (Grades 10–12)
Junior Mathematics and Natural Sciences Teacher (Grades 8–9)

Additional Responsibilities:

Grade Supervisor
Member of Admin & Matric Ball Committee
Sports Coordinator

Contact details

Phone & Fax: +27 21 948 4051
E-mail: bpps@absamail.co.za

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Employer:

Department of Medical Physiology,
Tygerberg Campus
Stellenbosch University

Job title:

Neuroscience Research Assistant

Contact details:

Prof Willie Daniels
Tel: +27 (0)21 938 9384
E-mail: danielsw@ukzn.ac.za

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Non-formal appointments:
Waiter, Cashier, Telethon Agent

Other training:

Call Centre Operator, Bank Teller

LEADERSHIP EXPERIENCE

- Manager: Ukwanda Postgraduate Office (2007–8)
- Management and conduct of research projects in Faculty of Health Sciences (FHS) (2007–8)
- First author: Flagship Status Proposal, which resulted in increased status for Ukwanda at the level of SU Executive Senate (reference: Dr Therese Fish, tfish@sun.ac.za)
- First author: institutional project proposal for rural satellite campus of Stellenbosch University, which was accepted with enthusiasm at interfaculty meeting (reference: Dr Therese Fish, tfish@sun.ac.za)
- Member of Committee: MBChB Coordinating Committee, FHS
- Member of Committee: Rural Doctors Association of Southern Africa (RuDASA – www.rudasa.org.za)
- RuDASA Member of Organising Committee 2008: Sponsorships (12th National Rural Health Conference, Beaufort West, South Africa)
- Member of University's SRC committee – registrar: societies 2001/2002
- Deputy Chairperson of religious society on SU campus
- IT administrator for Matie Latin and Ballroom Dance Society
- Class representative for Xhosa 178 class of 2002, US
- Member of high school's Student Representative Council (SRC)
- Toastmaster
- Choir Leader & Organist
- Orchestra & Band Conductor (hobby)

EXPERIENCE IN THE SCIENCE FRATERNITY

Honour's degree

Department of Biochemistry, US (Prof Janet Hapgood)
PCR methodology, DNA preparation, RNA preparation

Master's degree

Departments of Biochemistry and Physiological Sciences, SU
(Prof Kathy Myburgh & Dr Ann Louw)

Radioactive hormone binding assays (glucocorticoid receptor in skeletal muscle and liver of rats), enzymatic activity determination (tyrosine aminotransferase, glutamine synthetase), studied effect of psychological stress on the regulation of these factors

Post-master's activities

Neuroscience Unit, Department of Medical Physiology, US (Prof Willie Daniels, Tygerberg)
(January 2005 – December 2005)

Parkinson's Disease, research on anxiety and stress disorders relating to parkinsonism, rat behaviour models for detecting anxiety and stress levels

Conference attendance

PSSA 2003 (poster presentation), 2005 (presentation entered for Wyndham prize)
Neuroscience School and Conference, IBRO/SONA 2005, Cape International Convention Centre
SASBMB 2004/5 (poster), University of Stellenbosch
AstraZeneca Research Day 2005 (presentation)

PUBLICATIONS:

Thesis:

Wilson, N.W. (2005). Effects of neutralising interleukin-6 on glucocorticoid-mediated adaptations to stress in rat skeletal muscle and liver. Stellenbosch University Library (www.sun.ac.za/library)

Article:

Smith C, **Wilson NW**, Louw A, Myburgh KH. (2007). Illuminating the interrelated immune and endocrine adaptations after multiple exposures to short immobilization stress by in vivo blocking of IL-6. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* 292(4):R1439–47

Article:

Wilson NW, Bouhuijs PAJ, Conradie HH, Reuter H, Van Heerden BB, Marais B. Perceived educational value and enjoyment of a rural clinical rotation for medical students. *Rural and Remote Health* 8: 999. (Online), 2008
Available from: <http://www.rrh.org.au>

Review article:

Wilson NW, Couper ID, De Vries E, Reid S, Fish T, Marais BJ. A critical review of interventions to redress the inequitable distribution of healthcare professionals to rural and remote areas. *Rural and Remote Health* 9 (online), 2009: no. 1060. Available from: <http://www.rrh.org.au>

REFERENCES

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Prof Willie Daniels (danielsw@ukzn.ac.za or wd@sun.ac.za)

Present Location: Kwazulu-Natal University; Previous Location: Neuroscience Unit, Tygerberg Medical School

Prof Kathy Myburgh (khm@sun.ac.za)

Department of Physiological Sciences

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Dr Ann Louw (al@sun.ac.za)

Department of Biochemistry

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