

## Curriculum Vitae AP Hugo

My present occupation at the Division Medical Programme Management and CPD at the Faculty of Health Sciences entails the development, co-ordination and management of e-learning. I am competent in HTML, JavaScript, VBScript, Active Server Pages (ASP) and PHP. I am competent in WebCT and have done their Instructional Designer course. I believe that educational institutions should harness Information Technology and specifically the WWW as delivery vehicle for instruction and education with more vengeance. Educational institutions should also be less gullible in believing that a specific commercial Learning & Content Management system will necessarily have all the solutions to problems experienced in on-line learning.

I hold a Magister in Health Professions Education from the University of the Free State. My mini thesis was on computer assisted learning, specifically the development of a dedicated multi-tier web-based application for content management and content presentation in Histology.

The development of web applications for educational purposes is not just my present occupation but it is also my niche. In a learning environment it is not only important to display content correctly but the management of the content by a qualified person is equally important. In development of CAL programs I focus on applications that have a dedicated interface to display content as well as an interface where a lecturer, with limited web development skills can manage the content. It is further important to use learning strategies that present the content in a relevant context to the learners. I use either, PHP and JavaScript or Active Server Pages and VBScript for server side development and JavaScript for client side development

As a scientist the science of e-learning is important to me. This incorporates programming technique, graphic design and screen layout design as information technology, as well as pedagogical methodology. My interest lies in matching programme development, presentation medium and learning strategies for an optimal e-learning experience.

## **1. Personal Information**

Alwyn Pieter Hugo

### Work Address

Medical Programme Management and CPD  
Faculty of Health Sciences  
University of the Free State  
Box 339  
Bloemfontein  
9301

### Present Occupation

First Professional Officer / First Medical Scientist

## **2. Qualification**

### **2.1. Tertiary Qualification**

#### **2.1.1 BACCALAUREUS SCIENTIAE**

University of the Orange Free State  
Major Subjects: Zoology and Genetics  
Completed: June 1990

#### **2.1.2 BACCALAUREUS SCIENTIAE HONORES IN ZOOLOGY**

University of the Orange Free State  
Completed: November 1991

#### **2.1.3 MAGISTER IN HEALTH PROFESSIONS EDUCATION**

University of the Free State  
Completed: November 2003

#### **2.1.4 Present studies**

Enrolled for a PHILOSOPHIAE DOCTOR (HEALTH PROFESSIONS EDUCATION) at the University of the Free State

### **3. Skills development**

#### **3.1 General Management**

UOFS 1990

#### **3.2 SAS Analysing Data**

UOFS 1994

#### **3.3 Meditech Order Entry**

UOFS 1997

#### **3.4 WebCT Designers Course**

Lighthouse Digital 1999

Eiffel-Corp 2003

#### **3.5 Financial Systems of the UOFS**

UOFS 2000

#### **3.6 Evidence-based health care: an introduction for health care librarians and information scientists**

The Cochrane Collaboration 2001

### **4. Occupational Experience**

#### **4.1 SADF Service**

SA Intelligence School

June 1984 – June 1986

#### **4.2 Dept. Zoology and Entomology, UFS**

Laboratory Assistant

1990 & 1991

#### **4.3 South African Institute for Medical Research**

Science Graduate / Medical Scientist

December 1991 to November 1993

Disciplines:

Serology

Microbiology

Bacteriology

Haematology

Histology

Other Tasks:

In charge of data backups and general computer assistance

#### **4.4 Dept. Anaesthesiology, UFS**

Junior Researcher

December 1993 to March 1998

Tasks:

Clinical and Laboratory Research projects

Computer troubleshooting and upgrading

Assisting departmental personal with software problems

Software evaluation

Database development

Order Entry development on the Hospital Information System

#### **4.5 Dept. Basic Medical Sciences (Anatomy & Cell Morphology), UFS**

Senior Medical Scientist

April 1998 to June 2001

First Medical Scientist

July 2001 to October 2002

Tasks:

Development of computer assisted learning material

Hosting of computer assisted learning material in WebCT

Computer troubleshooting and upgrading

Management of Visimed Computer Laboratory

Assisting departmental personal with software problems

Assisting students with software problems

Software evaluation

Database development

Computing and updating student marks

#### **4.6 Division Medical Programme Management and CPD**

First Medical Scientist

November 2002 to present

Tasks:

Development and co-ordination of e-learning in the School of

Medicine at the UF

Management of Visimed Computer Laboratory

### **5. Committees**

Member of Departmental Computer Committee in Dept of Anatomy and Cell Morphology UFS, April 1998 – September 2001

Member of Ad Hoc Committee for the Development of database for test and examination results, Faculty of Health Sciences UFS – 2000

Member of Ad Hoc Committee Computers for Curriculum 2000, Faculty of Health Sciences UFS – 2000

Member of Ad Hoc Committee IT in Education, Faculty of Health Sciences UFS – 2000

Member of Departmental Academic Committee, Dept. of Anatomy and Cell Morphology UFS, October 2001 to October 2002

Member of Organising Committee for the International Health Professions Education Conference October 2002

Dean's representative on the Cyber Collection Committee of University of the Witwatersrand, October 2002 – present

Member of management committee, Association for medical scientist in the Free State, 2003 to present

## **6. Society**

Member of the Society for Medical Scientists SA

Member of SAAHE, South African Association for Health Profession Education

## **7. Conference Submittals**

## **7.1 Posters**

### **7.1.1 First Author National**

Hugo AP, Kok DJ & Du Preez LH. 1990. Endosymbionts of sympatric *Rana angolensis* and *Rana fuscigula*. Symposium of the Parasitological Society of Southern Africa (PARSA), Mkuze South Africa.

Hugo AP, Diedericks BJS., Joubert G & Kruger P. Die Profiel van Narkosegevalle gedurende 1993 en 1994 in die Departement Anesthesiologie met verwysing na trauma. Geneeskunde Fakulteitsforum, 16 & 17 Augustus 1995, Bloemfontein South Africa.

Hugo AP, Van Der Westhuizen LL, Bam E, Sinclair W. 2003. Continuing professional development in dermatology, a web-based solution. 5<sup>th</sup> World Wide Web Application's Conference, Durban South Africa 10 – 12 September 2003.

### **7.1.2. First Author International**

Hugo AP, & Kok DJ. 1991. How different are *Rana angolensis* and *Rana fuscigula* according to their endosymbionts? Second H.A.A. Symposium On African Herpetology, Bloemfontein.

Hugo AP, Van Der Westhuizen LL, Bam E, Sinclair W. 2004. Continuing professional development in dermatology, a web-based solution. 11<sup>th</sup> Ottawa Conference on Medical Education, Barcelona Spain 6 – 8 July 2004.

### **7.1.3. Other National**

Rodgers M, Pretorius GHJ, Hugo AP, Diedericks J. 1998. A molecular genetic approach to studying the action of Halothane. Faculty of Health Sciences Faculty Forum 27 – 28 August 1998.

#### **7.1.4. Other International**

Diedericks J, Hugo AP, Herbst C, Van Zyl M. 2000. A Novell Index for Myocardial Relaxation. 12<sup>th</sup> World Congress of Anaesthesiologists, Montreal, Canada 4 – 9 June 2000

Louw L de K, Hugo AP, Geyer HJ. 2002. Simplifying content management in a dedicated histology CAL programme, a multi-tier web-based approach. XVII International Symposium on Morphological Sciences, Timisoara Romania 11 – 15 September 2002

### **7.2 Oral Presentations**

#### **7.2.1 First Author National**

Hugo AP, Herbst C, Diedericks BJS & van Zyl JM. 1996. 'n Nuwe Indeks vir die bepaling van Miokardiale verslapping. Fakulteitsforum, Fakulteit Gesondheidswetenskappe, Bloemfontein South Africa 15 & 16 Augustus 1996.

Hugo AP, Scheepers MW, Diedericks BJS & Joubert G. 1996. The Endotracheal intubation response is not affected by Tramadol. Faculty of Health Sciences Faculty Forum, Bloemfontein South Africa 15 & 16 August 1996.

Hugo AP, Geyer HGJ, Nel PPC & Buys J. 1999 HTML en JavaScript as Bron vir Brongebaseerde leer in Histologie. Fakulteitsforum, Fakulteit Gesondheidswetenskappe, Bloemfontein South Africa 15 & 16 Augustus 1999.

Hugo AP & Schoon M. 2000. Computer Assisted Learning in the Health Science Faculty of the University of the Freestate. IT in Education, Durban 28 August 2000.



Hugo AP, Buys J and Nel MM. 2001 Populating a JavaScript presentation from an ODBC database, a simple way to manage content in a dedicated CAL program. Faculty of Health Sciences Faculty Forum, Bloemfontein South Africa 30 & 31 August 2001.

Hugo AP & Roos C. 2003. Computer Assisted Learning in the Health Science Faculty of the University of the Free State. South African Association for Health Education, IT in Education, Cape Town 1 – 2 May 2003

Hugo AP. 2003. Computer-assisted instruction: Possibilities in the new curriculum. Lecturer course: School of Medicine UF, Bloemfontein South Africa 4 June 2003

Hugo AP, Nel MM, Buys J. 2003. Simplifying content management in a dedicated histology CAL programme, a multi-tier web-based approach. 5<sup>th</sup> World Wide Web Application's Conference, Durban South Africa 10 – 12 September 2003.

Hugo AP. 2004. The roll of the computer in organising the curriculum. Lecturer course: School of Medicine UF, Bloemfontein South Africa 14 June 2004

Hugo AP. 2004. The roll of the computer in organising the curriculum. Lecturer course: School of Allied Health UF, Bloemfontein South Africa 23 July 2004

### **7.2.2. First Author International**

Hugo AP, & Kok DJ. 1991. Adult plathyhelminth infections of *Rana angolensis* and *Rana fuscigula*. International Congress on Parasitology of Wildlife, (PARSA), Berg en Dal, Kruger National Park.

Hugo AP, Herbst C, Diedericks BJS & van Zyl JM. 1998. Messuaring Myocardial relaxation. South African Society of Anaesthesiologists International Anaesthetic Congress, South Africa. 22-26 March 1998.

Hugo AP, Van Rensburg H, Diedericks BJS, Kruger P, & Joubert G. 1998. A Pilot study of computer assisted continuous infusion (CACI) with propofol and ketamine. South African Society of Anaesthesiologists International Anaesthetic Congress, South Africa. 22-26 March 1998.

Hugo AP, Buys J and Nel MM. 2001. Populating a JavaScript presentation from an ODBC database, a simple way to manage content in a dedicated CAL program. 6th World Congress on the Internet in Medicine, Udine Italy, 29 & 30 November 2001

Hugo AP, Nel MM, Buys J. 2002. Simplifying content management in a dedicated histology CAL programme, a multi-tier web-based approach. Health Professions Education International Conference, Bloemfontein South Africa 7 – 10 October 2002

Hugo AP, Grobler L. 2002. A computer-based programme for teaching communication skills in health care. Health Professions Education International Conference, Bloemfontein South Africa 7 – 10 October 2002

Hugo AP. 2002. Invitational presentation: The use of Information Technology in health profession education. Health Professions Education International Conference, Bloemfontein South Africa 7 – 10 October 2002

Hugo AP, Buys J, Nel MM & Geyer HJ. 2004. A multi-tier web-based approach to enhance E-learning in histology. 11<sup>th</sup> Ottawa Conference on Medical Education, Barcelona Spain 6 – 8 July 2004.

### **7.2.3. Other National**

Van Rensburg H, Diedericks BJS, Hugo AP, Kruger P, & Joubert G. 1997. 'n Loodsstudie van Rekenaarondersteunde deurlopende infusie met Ketamien en Propofol. Fakulteitsforum, Fakulteit Gesondheidswetenskappe, 28 & 29 Augustus 1997.

#### **7.2.4. Other International**

Louw L, Hugo A, 1999. Keloids: Still the Nightmare of the plastic and reconstructive Surgeon? XV Congress of the International Federation of Associations of Anatomists and the 4<sup>th</sup> International Malpighi Symposium. Rome, 11 – 16 September 1999

Louw L de K, Hugo AP, Meijerink R, Wahl G. 2002. Heart defects and anatomical compensations during blood flows in infants. XVII International Symposium on Morphological Sciences, Timisoara Romania 11 – 15 September 2002

Struwig MC, Hugo AP, Beylefeld AA. 2004. Med Micro Fun With Facts (MMFWF). A computer game for medical microbiology and infectious diseases. 11<sup>th</sup> Ottawa Conference on Medical Education, Barcelona Spain 6 – 8 July 2004.

### **8. Publications**

#### **8.1 First Author**

Hugo AP & Kok DJ. 1992. Endosymbiont differences between *Rana angolensis* and *Rana fuscigula*. Proceedings of the 2nd H.A.A. Symposium J. Herpetol, Assoc. Afr. 40: 46

#### **8.2 Other**

Louw L, Hugo A, 1999. Keloids: Still the Nightmare of the plastic and reconstructive Surgeon? Italian Journal of Anatomy and Embryology Vol 104 Supl 1, 1999 – Conference proceedings

## 9. Prizes

Receive prize for best oral presentation (laboratory) on the Faculty of Health Sciences of the University of the Orange Free State's Faculty Forum in 1996.

Hugo, A.P., Herbst, C., Diedericks, B.J.S. & van Zyl, J.M. 1996. 'n Nuwe Indeks vir die bepaling van Miokardiale verslapping. Fakulteitsforum, Fakulteit Gesondheidswetenskappe, 15 & 16 Augustus 1996.