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1. PERSONAL INFORMATION:

Name: Barbara Huisamen
Title: Professor
Maiden name: Kotzé
Date of birth: 11 July 1953
Marital status: Married to Dr. E. Huisamen, 2 children -
Dalene and Johan

Address: MRC DDP
Division of Medical Physiology
Department of Biomedical Sciences
Faculty of Health Sciences
University of Stellenbosch
P.O. Box 19063
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Republic of South Africa.

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e-mail: bh3@sun.ac.za

Gender: Female

2. FORMAL QUALIFICATIONS:

B.Sc. (Hons.) in Biochemistry (U.S.)
B.Sc. (Hons.) in Pharmacology, Faculty of Medicine, U.S.
M.Sc. in Medical Sciences (U.S.) with a dissertation on the effect of Iodine on the quaternary structure of Thyroglobulin.
Ph.D. (U.S.): Dissertation on The identification, localization and characterization of binding sites specific for inositolphosphates in the myocardium.

4. EMPLOYMENT:

Currently Chief Specialist Scientist – MRC Diabetes Discovery Platform and Associate Professor, US

5. ACTIVITIES AND ACHIEVEMENTS:

Research:

- I have built a research group around the clinical problem of cardiovascular complications in obesity and Type 2 diabetes, starting with implementation of suitable models, progressing through asking the right questions and developing protocols to answer them, to the successful publication of the results.
- I have used this as a platform to train students to become scientists and supervised their research projects to conclusion.

- I have therefore developed problem solving and analytical skills as well as project management, financial management and people management skills.
- I have successfully written grant applications to the CDRF and NRF as well as to private pharmaceutical companies to obtain research money, therefore have good project writing skills as well as negotiating skills. I have also procured THRIP allocations from the NRF because of this.
- I have successfully negotiated collaboration with research groups both nationally and internationally.

Extracurricular:

- I have been actively involved in the annual Tygerberg Research day in the past . I have acted as chairperson for the responsible committee for this event, negotiated financial sponsorship from the industry and organised the poster sessions as well as the basic sciences scientific sessions.
- I am the acting Radiation Protection Officer of the Div Medical Physiology and have completed external courses in the handling of Radioactive materials in Research as well as courses in health and safety as well as fire fighting.

6. DISTINCTIONS:

15 diverse awards for both oral & poster presentations.

7. NRF Rating:

Category C2

8. PROJECT LEADER:

M.Sc. 14

Ph.D.: 9

Postdoctoral students: 3

9. DIVERSE ACADEMIC INVOLVEMENT

- Regular review of research articles because of expertise in the field of diabetes: Heart (Jnl of the British Cardiac Society), Molecular & Cellular Biochemistry, Cardiovascular Drugs & Therapy, Jnl of Physiology and BioMedCentral e-published journals, CVA, Exp Physiol, IJC).
- Act as external moderator for examination papers for both US and CPUT and UWC.
- Review of NRF project applications.
- Review of Ph.D. protocols
- External Examiner – Ph.D & MSc theses

10. COLLABORATION WITH RESEARCH GROUPS:

➤ *National collaborative studies with:*

1. Dr. H Strijdom, Department of Physiology, Faculty of Health Sciences, US
2. Dr. S LeCour, Cape Heart Centre, UCT.
3. Prof. D Dietrich, University of Western Cape who is currently doing a research project in my laboratory.
4. Prof. M Haag, Dept of Physiology, University of Pretoria.

5. Dr D Blackhurst, Lipid Clinic, Cape Heart Centre, UCT.

12. MEMBERSHIP OF SCIENTIFIC BODIES:

- Chairperson of the committee for the use of animals in research (CEAR) - Faculty of Health Sciences, University of Stellenbosch – 2005-2009
- Member of the committee for the use of animals in research (ECRA) – MRC)
- Executive member of the Physiology Society of South Africa
- Member of the organising committee of the International Society for Heart Research Satellite meeting in South Africa, 2004.
- Member in good standing of the International Society for Heart Research
- Member of the Society for Endocrinology, Metabolism and Diabetes of South Africa, PSSA and the SA Heart Society.

13 PUBLICATIONS:

44 Papers in peer-reviewed journals; Average citations per item according the Web of Knowledge: 9.64 with an h-index of 13.

52 Presentations at international conferences

101 Presentations at national conferences.