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# Discovery of pancreatic cancer biomarker(s) using focused pathway analyses

**Nweke, Ekene Emmanuel**

**2017**

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R14/49 Mr Ekene Nweke

# HUMAN RESEARCH ETHICS COMMITTEE (MEDICAL)

## CLEARANCE CERTIFICATE NO. M150778

| | |
|---|---|
| **NAME: (Principal Investigator)** | Mr Ekene Nweke |
| **DEPARTMENT:** | Surgery/Clinical Medincine<br>Research Departments Surgery, Molecular Biosciences (Main Campus), Biopsies from: Hospitals (Chris Hani Baragwanath Academic)& Charlotte Maxeke Johannesburg Academic |
| **PROJECT TITLE:** | Proteomica of Pancreatic Cancer |
| **DATE CONSIDERED:** | 31/07/2015 |
| **DECISION:** | Approved unconditionally |
| **CONDITIONS:** | |
| **SUPERVISOR:** | Prof GP Candy |
| **APPROVED BY:** | Professor P. Cleaton-Jones,Chairperson, HREC (Medical) |
| **DATE OF APPROVAL:** | 29/03/2017 |

**This clearance certificate is valid for 5 years from date of approval. Extension may be applied for.**

**DECLARATION OF INVESTIGATORS**

To be completed in duplicate and **ONE COPY** returned to the Research Office Secretary in Room 10004,10th floo Senate House/2nd floor, Phillip Tobias Building, Parktown, University of the Witwatersrand. I/We fully understand th the conditions under which I am/we are authorised to carry out the above-mentioned research and I/we undertake t ensure compliance with these conditions. Should any departure be contemplated,from the research protocol a approved, I/we undertake to resubmit to the Committee. **I agree to submit a yearly progress report**. The date fc annual re-certification will be one year after the date of convened meeting where the study was initially reviewed. i this case, the study was initially review in July and will therefore be due in the month of July each year. Unreporte changes to the application may invalidate the clearance given by the HREC (Medical).

Principal Investigator Signature

Date 29/3/2017

**PLEASE QUOTE THE PROTOCOL NUMBER IN ALL ENQUIRIES**

**Human Research Ethics Committee (Medical)**

Research Office Secretariat: Senate House Room SH10005, 10th floor. Tel +27 (0)11-717-1252
Medical School Secretariat: Tobias Health Sciences Building, 2rd floor Tel +27 (0)11-717-2700
Private Bag 3, Wits 2050, www.wits.ac.za. Fax +27 (0)11-717-1265

Ref: W-AW-200516-1

20/05/2016

***TO WHOM IT MAY CONCERN:***

**Waiver:** This certifies that the following research does not require clearance from the Human Research Ethics Committee (Medical).

**Investigator:** PhD candidate: Ekene Nweke (student number 742568), Supervisor: Professor Geoffrey P Candy

**Project title:** Biomarker discovery from pancreatic cancer tumors using focused pathway analysis

**Reason:** This study involves the use of a commercially available pancreatic cell line obtained from the ATCC MIA PACA-2. This research is wholly *in vitro* cell culture based and does not involve the use of any human participants.

Professor Angela Woodiwiss

Co-Chair: Human Research Ethics Committee (Medical)

Copy – HREC (Medical) Secretariat: Zanele Ndlovu