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|  Thando W. ShabanguResearch Scientist

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| **Contact** |

 Address 26 Broadway, Vredelust, Bellville, Cape Town – South Africa.Phone +27726168295E-mail thando@thandowshabangu.com

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| **Skills** |

 Data CollectionData analysisDocumentation expertiseAcademic writing

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| **Languages** |

 Swati and English |  Ardent researcher eager to learn more about neuroscience and contribute to team success through hard work, attention to detail and good organizational skills. Seeking to both develop and disseminate my skills and improve my knowledge base. Clear understanding of neurobiology and literature review and training in cell-tracing assay.

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| **Work History** |

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|   | 2023-03-present2021-08-2023-012015-08 - 2021-05 |  | **Postdoctoral fellow**Stellenbosch University, Tygerberg, South Africa* Design project
* Carry out experiments and analyses of results.
* Write papers for publication.

**English teacher**Stanford Elementary School, Miaoli, Taiwan* Teach basic English to elementary and kindergarten children
* give tests to elementary and kindergarten children

**PhD Research Student***Academia Sinica, Taipei, Taiwan** Performed research into olfactory cortex development, using cell-tracing assays to track progenitor lineages of piriform cortex.
* Performed wet-lab and molecular biology scientific research using methods including: polymerase chain reaction, immunohistochemisty, retrograde tracing, confocal microscopy, microtome brain sectioning, genetic breeding, mouse husbandry, neuron cell-counting etc.
* Published a research paper.
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|   | 2012-01 - 2012-08 |   | **High School Teacher***Masundvwini High School, Manzini, Kingdom of eSwatini** Assessed submitted class assignments, determined grades and reviewed work with struggling students to boost success chance.
* Planned, prepared and taught lesson plans, giving students individual support.
* Coached soccer school-team, to help with students' extracurricular activities.
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| **Education** |

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|   | 2015-08 - Current |   | **Ph.D.: Developmental Neurobiology***Academia Sinica -* Nangang, Taiwan * Coursework in Molecular Biology, Neuroscience, Developmental Biology, Scientific research and ethics, laboratory safety practices and other basic courses required to fulfill coursework credits.
* Majored in Developmental neurobiology
* Thesis: Contribution of Neurons from the Dbx1 Lineage to The Piriform Cortex
* Awarded: Certificate of Excellence, Best Poster in ICOB annual presentations, 2019
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|   | 2012-08 - 2014-05 |   | **Master of Science in Clinical Medicine***Kaohsiung Medical University -* Kaohsiung, Taiwan* Coursework in Cell Biology, Genetics, Molecular Biology skills, Clinical research, Biotechnology techniques, journal club etc.
* Majored in Molecular Biology
* Conducted research investigations into orientation of Wntless protein inside cell membrane.
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|   | 2007-08 - 2011-05 |   | **Bachelor of Science: Biology***University of ESwatini -* Kingdom Of ESwatini* Member and initial team of Uneswa BIOSOC (University of eSwatini Biology Society), instrumental in its inception
* As a member of BIOSOC, participated in community initiatives that were aimed at preserving the environment e.g. planted trees to reduce progression of gullies and dongas. Organized fund-raising activities to financially support the continuity of this organization.
* Minored in Chemistry: took courses in organic chemistry, inorganic chemistry, physical chemistry.
* Majored in Biology: took courses in genetics, ecology, evolutionary biology, biochemistry, botany, and zoology.
* Awarded Certificate of Entrepreneurship: took a business class at the end of my graduation, centered on independent business startups. Was awarded a certificate of completion.
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|   | 2002-01 - 2006-12 |   | **High School Diploma** *Salesian High School -* Kingdom Of ESwatini* Majored in Science and Mathematics
* Awarded Certificates of Academic Excellence for being best student in my class: awarded in all five grades, respectively.
* Graduated in Top 20 of the Country
* Elected Captain of Head Prefect
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|   | 1995-01 - 2001-12 |   | **Primary School Certificate** *St Michael's Primary School -* Kingdom Of ESwatini* Graduated in Top 5 of Class
* Best student in 4 of the 7 grades
* Awarded Certificate of Academic Excellence
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| **Accomplishments** |

 Doctoral Fellowship, Taiwan International Graduate Scholarship Programme: 2015 - 2019Certificate of Excellence, Best Poster in ICOB annual presentations, 2019Taiwan ICDF Higher Education Scholarship: 2012 - 2014

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| **Publications** |

 Specific contribution of neurons from the Dbx1 lineage to the piriform cortex - Scientific Reports, 2021

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| **Affiliations** |

 Molecular Cell Biology, Taiwan International Graduate Program, Academia Sinica, Taipei, Taiwan. Institute of Cellular and Organismic Biology, Academia Sinica, Taipei, Taiwan.Graduate Institute of Life Sciences, National Defense Medical Center, Taipei, Taiwan.

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| **Interests** |

 Philosophy, psychology, literature and fitness. |

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