

Curriculum Vitae



BUDGAMU MUDIYANSELAGE LAKSHIKA PERERA JAYASEKERA

PhD (Cancer Molecular Genetics) (Currently)

M.Sc (Molecular Life Sciences), B.Sc (Biotechnology, Biochemistry & Microbiology),

No.116/1, Main Road, Attidiya, Dehiwela, Sri Lanka

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VISION

A highly motivated and hardworking individual, who has completed her degree in Molecular Biology & Biochemistry stream seeking to excel in career and become a successful person in every aspect of life to serve the motherland & the world at large

COMPETENCIES

Creative minded, with a methodical and innovative approach to working and an eagerness to learn and develop personal skills in a practical setting.

- Leadership
- Sound education
- Teamwork
- Training
- Multi Skills
- Communication
- Continuous improvement
- Integrity & personal conduct
- Sensitivity to diversity
- Flexibility & adaptability

SKILLS/KNOWLEDGE

Well experienced in biotechnology techniques

Excellent computer skills (in MS packages)

Languages : Sinhala, English, French,

Strong sense of responsibility

Organization skills

Precise & analytical worker

PERSONAL INFORMATION

Nationality : Srilankan
Birth date: 11th May 1987
Gender : Female
Marital Status : Single

EDUCATION

September 2017 : **University of Colombo - Institute of Biochemistry Molecular Biology and Biotechnology (IBMBB)**
PhD in Cancer Molecular Genetics

March 2015 : **University of Colombo - (IBMBB)**
M.Sc. in Molecular Life Sciences

March 2012 : **University of Mysore**
B.Sc. in Biotechnology, Biochemistry & Microbiology (**First Class**)

August 2006 : **Sirimavo Bandaranaike Vidyalaya**
Successfully passed (G.C.E.) Advanced Level examination- Bio Science stream

December 2003 : **Sirimavo Bandaranaike Vidyalaya**
Passed (G.C.E.) Ordinary Level with **8 "A" s (Best results)**

RESEARCH

- Screening of a cohort of Sri Lankan young onset breast cancer patients for c.2175_2176insA novel pathogenic mutation in *BRCA2* gene initial segment

This was the first study in Sri Lanka to focus on young onset breast cancer patients and was aimed to screen a cohort for the specified mutation as well as any other novel/ reported mutations. Study involved collection of samples, DNA isolation, purification, primer designing, fragment amplification through PCR, Sanger sequencing, sequencing product cleanup, capillary electrophoresis and result analysis through bioinformatic tools. Apart from the above mentioned, the study also involved various other techniques including gel electrophoresis, centrifugation and Bio Nanospec spectrophotometry. Currently the study is continued to span the entire region of *BRCA2* gene

INTERNATIONAL PUBLICATIONS/ COMMUNICATIONS

Sumadee De Silva · Kamani Hemamala Tennekoon · Aravinda Dissanayake · Kanishka De Silva · **Lakshika Jayasekera** . Novel and reported pathogenic variants in exon 11 of *BRCA2* gene in a cohort of Sri Lankan young breast cancer patients. **Springer Science+Business Media Dordrecht**: 2016
DOI 10.1007/s10689-016-9962-9

Jayasekera BMLP, De Silva WS, Tennekoon KH, De Silva K, Dissanayaka SA. Screening of a cohort of Sri Lankan young onset breast cancer patients for c.2175_2176insA novel pathogenic mutation in *BRCA2* gene initial segment. Seventh Annual Scientific Sessions; 2015 : IBMBB - University of Colombo.

De Silva S, Tennekoon KH, Dissanayake A, De Silva K, **Jayasekara L**, Manoharan V. Association of pathogenic mutations in *BRCA2* exon 11 with early onset breast cancer in Sri Lankan population. Proceedings of AACR: New Horizons in Cancer Research Conference; 2015: Shanghai, China.

Gamage R, De Silva S, De Silva K, Dissanayake A, **Jayasekara L**. Association of *BRCA2* N372H polymorphism with the risk of early onset of breast cancer in a cohort of Sri Lankan breast cancer patients. Proceedings of the 17th World Congress of Gynecological Endocrinology; 2016; Florence, Italy.

WORK EXPERIENCE

February 2015 - Research, Scientific , Technical, and Teaching Assistant Present
University of Colombo – IBMBB

Key tasks and responsibilities

Assisting research (bench work)- Mutation detection/analysis in *BRCA1*, *2* and *P53* genes of Sri Lankan young onset Breast Cancer patients.

Benchwork in conducting workshops (Bacterial Cloning and Protein expression/ Molecular Techniques/ Cell culture Techniques)

Handling and operation of machines including Fluorescence and light Microscopes, Synergy, Bio-nanospec spectrophotometer, Conventional Spectrophotometer, ELISA reader, FPLC, Bench-top and other Centrifuges and Autoclaves.

Conducting practical sessions for Masters students, coordinating ongoing researches and recruiting patients from National Cancer Institute-Maharagama for ongoing researches.

February 2007 - 2008 - Information Technology Personnel/ Secretary .
Lanka Singo Enterprises (PVT) LTD.

Key tasks and responsibilities

All computer applications including, maintaining customer databases , documentation and presentations/ marketing the company's product and work for the growth of the company. Manage proceedings of customer service/communicating with foreign customers and coordinating local and foreign customers.

CERTIFICATES IN MOLECULAR LIFE SCIENCES

- Certificate in basic **Genetic Engineering Techniques** – GENETECH
- Certificate in **Plant & Animal Tissue Culture** – Industrial technology Institute
- Certificate of participation, workshop on **DNA Identification** - IBMBB
- Certificate of participation, workshop on **Stem cells and Cell Biology** - IBMBB

SPORTS

- Represented **National games (Squash)** in 2003
- Represented **College squash team** 2001 – 2003
- Represented **College Badminton team** 2000 – 2003
- Successfully participated in Inter House Sports meet in **Squash , Badminton , Swimming , Athletics & Volley Ball**

LEADERSHIPS / COCURRICULAR ACTIVITIES

- **Secretary** of Rotaract club of Spectrum Institute of Science & Technology (SIST) 2011/12, District 3220
- Participation in International residential workshop- “**Training for Trusteeship**” organized by **WICPER** (along with **UNESCO & American Center**)- 2011
- Participation in **Rotaract President & Secretary Elects Training –PETS&SETS-** 2011/12
- Certificate for the **Green Crew Member** of International Climate Championship at **International Climate Champions Awards-2010**
- **Assistant Secretary** of Rotaract club of SIST 2011/12, District 3220
- **Director - Community Service/Finance** of Rotaract club of SIST 2009/10 District 3220
- **Mediator** of “**Green army**” (In collaboration with British Council)
- Participation in **Rotary Youth Leadership Awards** 2010
- College **Senior Prefect** for the Academic year 2004/2005
- **Secretary Of School Philatelic Club /Member of College Eastern Band ,The Law Circle, Science Society , Photographic Club , Computer Club & French Club**

INTERNATIONAL
ACHIEVMENTS

- Participation in 2nd **International Conference on Frontiers in Molecular Life Sciences** in September 2014.
- Participation in International residential workshop- “**Training for Trusteeship**” organized by **WICPER** (along with **UNESCO & American Center**)- 2011
- Volunteered for the **International Indian Film Academy (IIFA) Awards** in June 2010. Involved with International Media & Public Relation sector .
- Participation in the **14th Asian Athletic Championships** in August 2002 .
- Participation in **Asian Cricket Champions Trophy** in July 2002 .

ACHIEVMENTS

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- **TOEFL** Score 103/120 - February 2013
 - **IELTS** Score 7.5/9 - May 2012
 - Certificate in **Advanced English Language Skills -Distinction** - ACBT - 2012
 - Took Initiative to organize the **First philatelic exhibition** in a Girls school - 2005
 - Awarded with the **first prize in the ‘Sirimavo Philex ‘** stamp Exhibition – 2005
 - Awarded with the prize for **best results in Schools Annual prize giving** – 2003
 - Certificate of Merit in **Australian National Chemistry Quiz competitions**
 - Certificate In **computer programming (Intermediate level)** – TEC Sri Lanka – 2003
 - Certificate In **computer programming (Basic level)** – TEC Sri Lanka 2001
 - **Honours** pass in **all island graded examination(Speech)** conducted by Institute of Western Music & Speech – 2002,2001,2000,1999,1998,1997,1996,1995
 - **Honours** pass in **all island graded examination(Written)** conducted by Institute of Western Music & Speech – 2002,2001,2000,1999,1998,1997,1996,1995
 - Certificate for the fifth place in **All Island Singing competitions**

CERTIFICATION

I affirm that the above particulars furnished by me are true & accurate to the best of my knowledge.

DATE

SIGNATURE : Miss. B.M. L .P. Jayasekera