

ACADEMIC PORTFOLIO

The information contained in my current academic portfolio covers the period of my current contract with the School of Medicine and Health Sciences (SMHS), University of Papua New Guinea (UPNG), (1st December 2007 to date) and the one immediately preceding it (1st December 2004 to 30th November 2007). My complete profile is presented in my Curriculum Vitae, which can be produced on request. My resume is also available on request.

Victor J. TEMPLE, M. Sc., Ph. D., C. Biol., M. S. B (M. I. Biol.)

TEACHING PORTFOLIO:

Formal Teaching allocation:

1. MBBS curriculum – Problem Based Learning (PBL):

- ❑ Biochemistry Lectures/Seminars and Practical classes to 2nd & 3rd Yrs MBBS
- ❑ Biochemistry & Clinical Biochemistry Lectures/Seminars to 4th & 5th Yrs MBBS
- ❑ Facilitator for 2nd year PBL tutorial groups.
- ❑ Coordinates and supervised 2nd yr MBBS remedial tasks – Directed Own Learning Task (DOLT).
- ❑ Supervised 3rd yr MBBS remedial tasks in Clinical Biochemistry – DOLT.
- ❑ Supervised 4th & 5th yrs MBBS Clinical Biochemistry remedial DOLT and remedial Case Oriented Learning Task (COLT).

Contact hours per week for MBBS Lectures/Seminars can vary from 4 to 6 hours

Contact hours per week for PBL Tutorial: 6 hours.

Contact hours per week for DOLT: 2 – 4 hours (depending on the number of students).

Contact hours per week for COLT: 2 hours (when required)

2. Traditional curriculum in Health Sciences & Dentistry Divisions:

- ❑ Biochemistry & Clinical Biochemistry lectures and practical classes to 2nd & 3rd Years Bachelor in Medical Laboratory Sciences (BMLS) students
- ❑ Biochemistry lectures and practical classes to 2nd Year Bachelor in Pharmacy (B. Pham) students
- ❑ Biochemistry & Clinical Biochemistry lectures and practical classes to 2nd & 4th Years Bachelor of Dental Surgery (BOH / BDS) students.
- ❑ Supervision of Clinical Biochemistry research projects for 4th Yr (final year) BMLS students
- ❑ Supervision of research projects for 5th Yr (final year) B. Pham students
- ❑ Lectures in Nutrition to Bachelor of Nursing Students

Contact hours per week for 2nd year B. Pham, BDS & BMLS students: 6 hours

Contact hours per week for 3rd year BMLS students: 8 hours

Contact hours per week for 4th year BDS students: 6 hours

3. Postgraduate Medical & Health Sciences Students in the Master of Medicine (M. Med degree and M. Med. Sc degree) program:

- ❑ Clinical Biochemistry lectures and Seminars to post-graduate medical students for the award of the Master of Medicine degree (M. Med)
- ❑ Biochemistry and Molecular Biology lectures and seminars to post-graduate students for the award of the Master of Medical Science degree (M. Med Sc)

- Supervision of research projects of post-graduate students for the award of the M. Med Sc

4. Supervision of Students Research Projects:

- Successfully supervised 5 Bachelor of Medical Science (B. Med. Sci.) student projects. Contact hours per student per week (minimum) = 5 hrs.
- Successfully supervised 4 B. Pham student projects: 5th Year students: Contact hours per student per week (minimum) = 4 hrs.
- Successfully co-supervised 5 B. Med. Sci. student projects: Contact hours per student per week (minimum) = 3 hrs.
- Successfully supervised 30 BMLS final year students with Clinical Biochemistry major research projects: Contact hours per student per week (minimum) = 4hrs.
- Currently (2011) supervising Clinical Biochemistry major research projects of five BMLS students: Contact hours per student per week (minimum) = 4hrs.
- Currently (2011) Co-supervising research projects of two 5th Year B. Pham students

5. Development of course, Subject and Teaching Materials:

- Played a significant role in developing the Biochemistry “Roadmap” used in the new PBL MBBS curriculum. This is a detailed guide for the implementation of the PBL curriculum, ‘mapping out’ the Biochemical aspects in all the Medical Patient and Community (P & C) Problems in the new MBBS curriculum.
- Developed several Biochemistry and Clinical Biochemistry Learning Issues required for 2nd, 3rd, 4th and 5th MBBS P & C Problems.
- Conduct update of some of the Learning Issues used in P & C Problems.
- Developed appropriate Biochemistry and Clinical Biochemistry teaching materials and handouts for all lectures/seminars delivered to MBBS students at all level.
- Developed and regularly improving question bank in Biochemistry and Clinical Biochemistry for medical students.
- Developed several Biochemistry and Clinical Biochemistry assignments for remedial COLT and DOLT.
- Played significant role in developing Biochemistry course description for 2nd Year DMLT, B. Pham, DPT, BDS & BMLS students under Trimester system.
- Played significant role in developing Clinical Biochemistry course description for 3rd Year DMLT and BMLS students under the Trimester system.
- Played significant role in developing Biochemistry course description for 2nd Year B. Pham, BOH/BDS and BMLS student in the Semester system
- Played significant role in developing Clinical Biochemistry course description for 3rd Year BMLS students in the Semester system.
- Developed appropriate teaching materials and handouts for 2nd yr B. Pham, BOH / BDS and BMLS and for 3rd yr BMLS students for the Semester system.
- Developed appropriate Biochemistry & Clinical Biochemistry teaching materials and handouts for Postgraduate, M. Med Part I students.
- Developed appropriate Biochemistry and Clinical Biochemistry teaching materials for 4th year BDS & BMLS students for the Semester system.
- Participated in the development of the Bachelor of Nursing academic program.

6. Marking and Assessment:

- ❑ Involved in setting up, marking and assessment of all Biochemistry and Clinical Biochemistry examinations for 2nd, 3rd, 4th and 5th Year MBBS students.
- ❑ As Chairman of 2nd Year MBBS committee, involved in approval of grades for 2nd year MBBS students.
- ❑ As member of Undergraduate Medical Education Committee (UMEC), involved in approval of grades for all MBBS students.
- ❑ Involved in setting up, marking and assessment of all Biochemistry examinations for 2nd year BMLS, BOH/BDS & B. Pham students.
- ❑ Involved in setting up, marking and assessment of all Clinical Biochemistry examinations for 3rd year BMLS students.
- ❑ Involved in setting up, marking and assessment of Biochemistry and Clinical Biochemistry examinations for 4th Year BDS students.
- ❑ Involved in reviewing all Biochemistry exam questions for MBBS students.
- ❑ Involved in marking and assessment of Biochemistry questions for Postgraduate, M. Med Part I students.
- ❑ As member of SMHS standing committee, involved in approval of grades.
- ❑ As member of the University Examination Board (UEB), involved in reviewing and approval of grades for all students in the various Schools in UPNG.

7. Results of recent formal student evaluation of teachings:

Students have formally evaluated my teaching during the student evaluation of lecturer teaching performance in SMHS, conducted by the UPNG Centre for Human Resource Development (CHRD) during the 2010 academic session. The CHRD UPNG sent a copy of the report to me. Under the heading Weaknesses: The report did not identify any weakness in my teaching performance. Under the heading Strength: The report noted several positive comments by students. A copy of the report is available on request; original copy can be obtained from the Director CHRD UPNG.

8. Development of teaching activity by attending staff development courses in teaching and research:

- ❑ Designing and conducting research: Workshop in SMHS UPNG
- ❑ Within the timeframe of my contract I have attended and participated in several workshops on the MBBS – PBL curriculum organized by Australian Aid (AusAID) in the SMHS
- ❑ Attended TL & IHTC short courses in Managing a Teaching Portfolio
- ❑ Attended TL & IHTC short courses in Power Point Presentations
- ❑ Attended and participated in TL & IHTC Workshop in SMHS: TL & IHTC workshop on Transition Committee Implementation Program.
- ❑ Attended the International Training Workshop on Micronutrient Survey sponsored by UNICEF, Centers for Disease Control and Prevention (CDC), Atlanta Georgia USA, NDOH and SMHS: 9th to 13th May 2005, Port Moresby, School of Medicine and Health Sciences, UPNG.

RESEARCH PORTFOLIO:

1. Research activities completed (January 2004 to date):

- Assessment of urinary iodine level in children, 6 – 12 years old, in Hella region (Tari and Koroba districts) Southern Highland Province PNG.
- Estimation of the per capita consumption of salt, quantitative assessment of iodine content in household and retail salt in Hella region, Southern Highland Province, PNG.
- Using Anthropometric parameters to assess the nutritional status of children, 6 – 12 years old, in Hella region, SHP, PNG.
- Quantitative (Iodometric titration) and Semi-quantitative (Spot-testing kits) assessment of iodine content in salt and the estimation of daily per capita consumption of salt in selected areas in NCD. {The areas are Five-Mile Settlement – An Urban area; Papa village (Motu-Koitabu district) – A Rural Coastal area; Tauruba village (Riga district) – A Rural Hilly area; Six Mile Settlement – An Urban area and Kaugere Settlement – An Urban area}.
- Assessment of Urinary Iodine levels in non-pregnant, pregnant and lactating women in National Capital District (NCD).
- Assessment of Iodine status of neonates and lactating women in NCD, PNG.
- Retrospective assessment of data obtained for thyroid function tests on patients in Port Moresby General Hospital (PMGH) from 2004 to 2005
- Retrospective assessment of data obtained for liver function tests (LFT) on patients over 10 years of age in PMGH from February to April 2005.
- Retrospective assessment of prevalence of neonatal jaundice at Port Moresby General Hospital in 2005.
- Dietary intake assessment of Persons Living with HIV/AIDS attending Heduru clinic in PMGH: A 24-Hour recall study.
- Prevalence of self-medication among students in UPNG during the 2005 academic year.
- Thiamine Status of Students Attending State sponsored and Church sponsored Primary Schools in the NCD, Papua New Guinea
- Assessing the Thiamin (Vitamin B-1) status in children in selected boarding schools in Central Province, PNG. A joint project with the National Department of Health (NDOH) and Discipline of Clinical Sciences SMHS UPNG [WHO funded project]
- Assessment of the Iodine Nutritional Status of School Children (6 – 12 yrs) in Honiara, Solomon Islands
- Using the Levy Jennings Chart to Assess the Quality Control Results Obtained in April, June and July (2007) in the Biochemistry Lab in PMGH
- Assessment of Validity of Some Blood Parameters in Samples Submitted for Routine Analysis to the Clinical Biochemistry Laboratory in PMGH: A Prospective Study in 2007
- Retrospective Assessment of Data for Metabolic and Respiratory Acid-Base Disorders in Patients Attending PMGH from January 2005 – December 2006
- Retrospective Assessment of Data for Lipid Profile Tests of Patients Attending PMGH from January 2005 – December 2006
- Retrospective Study of Data for Cardiac Markers of Patients Attending Nonga Base Hospital (2004 – 2006) East New Britain Province
- Retrospective Study of Data for Serum Amylase Activities in Patients with Acute Pancreatitis Treated at PMGH from January 2005 – December 2006
- Prevalence of Microalbuminuria in Diabetic and Hypertensive Patients Attending Clinics in PMGH
- Assessment of Vitamin A (Plasma Retinol) status of children, age 6 to 59 months attending Paediatric clinics in PMGH {Funded by Office of Higher Education, Research, Science & Technology PNG}

- Assessment of Vitamin A (Plasma Retinol) status of non-pregnant women resident in NCD, PNG {Funded by Office of Higher Education, Research, Science & Technology PNG and World Health Organization}
- Assessment of the nutritional status of children, age 6 to 59 months resident in NCD, PNG {Funded by Office of Higher Education, Research, Science & Technology PNG, WHO and UNICEF}
- Using a modified Morisky Scale to assess the Adherence to Highly Active Antiretroviral Therapy (HAART) by HIV positive patients attending Heduru Clinic in PMGH: How significant is the role of Inadequate Nutrition?
- Does successful salt iodization guarantee optimal iodine nutrition in mother and infant? Joint Research Project with Departments of Obstetrics and Gynaecology and Child Health Port Moresby General Hospital (Funded by Office of Higher Education, Research, Science & Technology PNG)
- Iodine status of School-age Children in Morobe Province PNG (Funded by Office of Higher Education, Research, Science & Technology PNG)
- Using Cord Blood TSH Level to Assess the Iodine and Thyroid status of neonates in NCD (Funded by Office of Higher Education, Research, Science & Technology PNG)
- Assessing Glycemic control in diabetic patients (Funded by Office of Higher Education, Science and Technology PNG)
- Characterization of Pseudo-cholinesterase in healthy individuals
- Prevalence of Neonatal jaundice in Port Moresby General Hospital (Funded by SMHS)
- Using HPLC to assess the quality of Artemisinin medicines sold in National Capital District.
- Monitoring the quality of iodized salt sold in retail shops in NCD: Iodine Research Project.
- Prevalence of atypical Pseudocholinesterase among individuals in NCD.
- Assessment of thyroid function and iodine nutritional status of pregnant women attending antenatal clinic in Port Moresby General Hospital" (Funded by Office of Higher Education, Research, Science & Technology PNG).
- Prevalence of Diabetes Mellitus and Glycemic Control among diabetic patients at Kavieng General Hospitals during 2009: A Retrospective study
- Identification of Specific Short Tandem Repeats in the DNA in NCD.
- Gene bank project: Genetic fingerprinting using Short Tandem Repeats.

2. Research activities in Progress:

- Gene bank project: Phase Two: Data base for genetic fingerprinting (STR) in PNG
- Assessing the Vitamin D status of infants in NCD.
- Impact of the depressed economy on the dietary energy intake among mother and infant in NCD.
- Iodine research project: Phase four.

3. Workshops/Meetings/Seminars/Conferences attended:

- Member task force: Training in Human Nutrition and Dietetics: National Health Service Standard Division NDOH: April 2010
- Participant in the UPNG Research Agenda Workshop: Port Moresby 2010.
- Resource Person: PNG Medical Symposium, Port Moresby 3rd to 6th September 2009
- Resource person: Iodised salt monitoring workshop: Train the Trainers: Training for quarantine officers and food inspectors. Sponsored by UNICEF and NDOH: 1st to 5th June 2009, Madang Resort Hotel, Madang Province.

- ❑ Member organizing committee and Resource person: University of Papua New Guinea Science Conference, “Science Innovations for Change”. 12 – 14th November 2008, Gateway Hotel, Port Moresby, Papua New Guinea.
- ❑ Resource Person: National Research Agenda for HIV and AIDS: National AIDS Council Secretariat Papua New Guinea. 23rd September 2008, Crown Plaza Hotel, Port Moresby Papua New Guinea.
- ❑ Resource person: Technical meeting on Proposed Diethylcarbamazine (DEC) Fortified Salt as a Strategy for the Control and Elimination of Lymphatic Filariasis (LF) in PNG. Sponsored by National Department of Health (NDOH): 13th Feb 2008, NDOH Conference Room, Level 2 – Aopi Centre.
- ❑ Participant: Videoconference and Workshop: “Nutrition in PNG – Present situation, challenges and solutions”. Organized by: PNG Association of Public Health, in association with NDOH, Global Development Learning Network (GDLN, World Bank), UNICEF, CDC USA, AusAID. 7th September 2007, GDLN, World Bank Conference centre, Deloitte Tower, Port Moresby.
- ❑ Resource person: National Research Agenda Workshop. Sponsored by National AIDS Council Secretariat (NACS). 2nd to 4th October 2007; Holiday Inn, Port Moresby.
- ❑ Resource person: Consultation workshop on HIV Food and Nutrition in PNG. Sponsored by NDOH and Albion Street Centre Sydney Australia: 26th to 28th Nov 2007. WHO Conference Room, NDOH PSA House Port Moresby.
- ❑ Resource person: Iodised salt monitoring workshop: A training for quarantine officers and food inspectors. Sponsored by NDOH and UNICEF: 22nd to 26th May 2006, Madang Resort Hotel, Madang Province, PNG.
- ❑ Resource person and Scientific Coordinator: Public Health Symposium: The National Micronutrient Survey 2005 (NMS 2005): Draft Report of NMS 2005. Sponsored by NDOH, UNICEF & Centres for Disease Control and Prevention (CDC) Atlanta, Georgia USA. 11th to 13th October 2006. Lamana Hotel, NCD.
- ❑ Resource person: National Micronutrient Survey Stakeholders workshop: Preliminary assessment of report. Sponsored by NDOH and UNICEF: 19th to 22nd June 2006. Lamana Hotel, NCD, PNG.
- ❑ Workshop coordinator and Co-resource person: International Training Workshop for the PNG National Micronutrient Survey (NMS 2005), Sponsored by UNICEF and PNG National Department of Health in Collaboration with Centers for Disease Control and Prevention (CDC), Atlanta Georgia USA. From 9th May to 13th May 2005, School of Medicine and Health Sciences (SMHS), UPNG, Port Moresby PNG.
- ❑ Resource person: PNG National Department of Health, UNICEF PNG Health, Nutrition and Early Childhood Development Mid-Term Review Workshop, 25th May 2005, Crown Plaza, Port Moresby

4. Research work published/submitted for publication to peer reviewed journals:

- ❑ **Temple VJ**, Kaira C, Vince J, Kevau IH and N Willie. “Vitamin A status of preschool children in the National Capital District, Papua New Guinea” (Submitted to PNG Medical Journal)
- ❑ Rowe R, Puri W, **Temple VJ**, Aigeeleng H, and S. Grant. “Assessment of serum cholinesterase (Pseudocholinesterase) and Dibucaine number among students in the University of Papua New Guinea”. Pac. J. Med. Sci. 2010, Vol. 7, No. 2, 50 – 64.
- ❑ Hapa RZ and Temple VJ. “Status of iodine nutrition among school-age children (6 – 12 years) in Honiara, Solomon Islands”. Pac. J. Med. Sci. 2010, Vol. 7, No. 1, 21 – 36.

- ❑ Pamu J, Temple VJ, Amoa AB and Grant S. "Using thyroid stimulating hormone (TSH) levels in cord blood to assess the iodine status of neonates". *Pac. J. Med. Sci.* 2010, Vol. 7, No. 1, 52 – 62.
- ❑ Temu P, Temple VJ, Saweri A and Saweri W. "Thiamine (Vitamin B1) status of boarding school students in the Southern Region of Papua New Guinea" *PNG Medical Journal*, 2009; May – June, Volume 52 (1 – 2): 21 – 27.
- ❑ Temple VJ, Oge R, Daphne I, Vince JD, Ripa P, Delange F and Eastman CJ. "Salt Iodization and Iodine Status among Infants and Lactating Mothers in Papua New Guinea" *AJFAND*, Vol 9, No. 9; Dec 2009, 1807 – 1823.
- ❑ Ijape L and Temple VJ. "Prevalence and Determinants of Non-Adherence to Highly Active Antiretroviral Therapy among HIV/AIDS Patients in Heduru Clinic, Port Moresby General Hospital" *Pacific Journal Medical Sciences* Vol 6, No. 1, July 2009, 92 – 102
- ❑ Temple VJ. "Research questions and its significance" *Pacific J Medical Sciences*, Vol 6, No. 1, July 2009, 11 – 14.
- ❑ Meauri G, Temple VJ and Lauwo JAK. "Self-Medication among students in the University of Papua New Guinea" In: *Addressing National and Global Issues through Scientific Research and Development. Proceeding of the UPNG National Conference: Oct 2009*, 181 – 190.
- ❑ Temple VJ. "Adherence to Highly Active Antiretroviral Therapy (HAART): Is Nutrition an Issue?" *Pacific J. of Medical Sciences*, 2008, Vol. 5, 65 – 70.
- ❑ Fabila V, Temple VJ, Linge D, Kevau IH and Ipai L. "Prevalence of Microalbuminuria in Diabetic and Hypertensive Patients Attending Clinics in Port Moresby General Hospital" *Pacific J. of Med Sci*, 2008, Vol. 5, 22 – 33.
- ❑ Ilaisa S, Temple VJ, Saweri W, Lloyd A. "Nutrient and Energy Intake of People Living with HIV/AIDS in Port Moresby General, Papua New Guinea: A 24-Hour Recall Study". *Med. Sci. Bull.* Vol 4, 2007: 16 – 26.
- ❑ Oge R, Temple VJ, Vince J, Ripa P. "Nutritional Status of Infants in the National Capital District of Papua New Guinea". *Medical Science Bulletin.* Vol. 4, 2007: 33 – 44.
- ❑ Pamu GH, Temple VJ. "Retrospective Assessment of Thyroid Function Tests Results in PMGH in 2004 and 2005". *Med. Sci. Bull.* Vol 4, 2007: 45 – 51
- ❑ Temple VJ. "Progress towards elimination of IDD in PNG" *International Council for Control of Iodine Deficiency Disorders. IDD Newsletter*, Vol. 22, No. 4, Nov 2006; 11 – 13.
- ❑ Temple VJ, Haindapa B, Turare R, Masta A and Amoa AB, Ripa P. "Status of Iodine Nutrition in Pregnant and Lactating Women in National Capital District, Papua New Guinea" *Asia Pac J Clin Nutr.* Vol. 15 (4): 2006; 533 – 537.
- ❑ Temple VJ, Mapira, P., Adeniyi, K. O. and Sims, P. "Iodine deficiency in Papua New Guinea (Sub-clinical iodine deficiency and salt iodization in the highlands of PNG)". *Journal of Public Health*; Vol. 27 (1): 2005; 45 – 48
- ❑ Saidu, Y. Bilbis, L.S., Shehu, R.A, Temple, V.J. and R.A Umar. Some Kinetic Properties of Rhodanese in the liver of *Gallus domesticus*; *Bulletin of Science Assoc of Nigeria*; 26: 2005; 511 – 518
- ❑ Temple VJ. "Micronutrient Requirement in Persons Living with HIV/AIDS: A Review. *Med Sci Bulletin*, Vol. 3, 2005: 14 – 16.
- ❑ Temple VJ and Masta A. "Zinc in Human Health". *PNG Med J*: 47 (3 – 4): 2004; 146 – 158.
- ❑ Tarfa FD, Obodozie O, Mshelia E, Ibrahim K, Temple VJ. "Evaluation of phytochemical and antimicrobial properties of leaf extract of *Tapinanthus sessilifolius* (P. Beauv). *Indian Journal of Experimental Biology*, Vol. 42, 2004; 326 – 329.
- ❑ Temple VJ. "The Need for Vitamin A" *Med Sci Bulletin*, Vol. 2, 2004; 13 – 15.
- ❑ Mapira, P, Temple VJ and Adeniyi, K. O. "Assessing the nutritional status of children in Hella Region SHP, PNG. *Med Sci Bull*, Vol. 2, 2004; 5 – 8.

- Haindapa B, Temple VJ, Turare R, Masta A, Amoa AB. "Assessment of urinary iodine levels in women in NCD, PNG" Medical Science Bulletin Vol 2, 2004; 8 – 11.

5. Book:

- Biochemistry Revision: Questions & Answers Approach: Temple, V.J. (ISBN: 978 – 9980 – 84 – 895 – 6, UPNG Publishers, Port Moresby PNG).

6. Published Abstracts/Seminar and Workshop Presentations/Research Reports:

- Shinoda N, Sullivan K, Tripp K, Erhardt J, Haynes B, Temple VJ. "Relationship between anemia and biomarkers of inflammation in children" 2nd International Meeting of Micronutrient Forum. Micronutrients, Health and Development: Evidence-Based programs: Micronutrient Status Methodologies: Beijing China: Abs. TU 57, May 2009, pg 69
- Drammeh B, Schleicher R, Erhardt J, Haynes B, Tripp K, Temple VJ. "Assessment of vitamin A deficiency in women and children from Papua New Guinea using dried blood spot Retinol-Binding Protein" 2nd International Meeting of Micronutrient Forum. Micronutrients, Health and Development: Evidence-Based programs: Micronutrient Status Methodologies: Beijing China: Abs. TU 63, May 2009, pg 70
- Tripp K, Woodruff B, Temple VJ., Saweri W, Haynes B, Codling K. "Iron and vitamin A status in Papua New Guinea: Results of A 2005 National Survey" 2nd International Meeting of Micronutrient Forum. Micronutrients, Health and Development: Evidence-Based programs: Micronutrient Status Methodologies: Beijing China: Abstract TU 82, May 2009, pg 76.
- Temple VJ (2007). "Status of HIV related food and nutrition research in PNG" In Proceedings on Consultation workshop on HIV Food and Nutrition in PNG. NDOH and Albion Street Centre Publication, 2008, Sydney and Port Moresby.
- Temple VJ (2007). "Assessment of dietary energy intake of PLWHA attending Heduru clinic in PMGH" In Proceedings of National Research Agenda Workshop. NACS Publications, Port Moresby.
- Oge R, Temple VJ, Vince J, Ripa P (2007). Assessment of nutritional status of infants in NCD by Anthropometry. 43rd Annual Medical Symposium, 3rd – 7th Sept 2007. Sir John Guise Stadium Indoor Complex, Port Moresby, NCD, pp 51.
- Ilaisa S, Temple VJ, Saweri W and Lloyd A. (2007). Assessment of dietary energy intake of PLWHA attending Heduru Clinic, Port Moresby General Hospital: 24-hour recall study. 43rd Annual Medical Symposium, 3rd – 7th Sept 2007. Sir John Guise Stadium Indoor Complex, Port Moresby, NCD, pp 55.
- Oge R, Temple VJ, Vince J, Ripa P. (2006) Status of Iodine Nutrition in Infants and Lactating Women Resident in NCD, PNG. Medical Society of PNG 42nd Annual Medical Society Symposium, Sept 2005, Divine Word Univ. Madang; pp. 48.
- Temple VJ. (2006) Universal salt iodization (USI): A control for iodine deficiency. In Proceedings: "Iodised salt monitoring workshop". UNICEF & NDOH Pub. 2007.
- Temple VJ. (2006). Strategy for monitoring USI implementation in PNG; *ibid*.
- Temple VJ. (2006). Salt iodization: Packaging and storage: situation analysis in PNG; *ibid*.
- Temple VJ. (2006). Consolidation of the monitoring system for salt iodization in PNG; *ibid*.
- Temple VJ. (2006). Salt iodization, monitoring and evaluation (SIME); *ibid*.
- Mapira P, Temple VJ and Adeniyi KO (2004). Using Anthropometric Data to Assess the Nutritional Status of Children (6 – 12 yrs) in Hella Region, SHP, PNG. Medical Society of PNG 40th Annual Med Society Symposium, Sep 2004, pp 38.
- Haindapa B, Temple VJ, Turare R, Masta A, Amoa AB (2005). Urinary iodine concentration in pregnant and lactating women attending clinics in Port Moresby

- General Hospital, National Capital District, PNG. Medical Society of PNG 41st Annual Medical Society Symposium, Sept 2005, pp 43.
- Oge R, Temple VJ, Vince J, Ripa P. (2006) Status of Iodine Nutrition in Infants and Lactating Women Resident in NCD, PNG. Medical Society of PNG 42nd Annual Medical Society Symposium, Sept 2005, Divine Word Univ. Madang
 - Temple VJ. (2005). "A Review of Micronutrient Requirement in Persons Living with HIV/AIDS (PLWHA)" Invited paper – Joint Divisional Seminar Series March 2005.
 - Temple VJ. (2005). "Consequences of Thiamine (Vitamin B-1) Deficiency in children" Joint Divisional Seminar Series Feb 2005.
 - Haindapa B, Temple VJ, Turare R, Mata A, Amoa AB (2005). Urinary iodine concentration in pregnant and lactating women attending clinics in Port Moresby General Hospital, National Capital District, PNG. Medical Society of PNG 41st Annual Medical Society Symposium, Sept 2005, pp 43.
 - Mapira P, Temple VJ and Adeniyi KO (2004). Using Anthropometric Data to Assess the Nutritional Status of Children (6 – 12 yrs) in Hella Region, SHP, PNG. Medical Society of PNG 40th Annual Med Society Symposium, Sep 2004, pp 38.
 - Temple VJ. (2004) "The need for Vitamin A: Biochemical consequences of sub-clinical deficiency in infants and in pregnant women" Joint Divisional Seminar Series, March 2004.

7. Research grants received:

- World Health Organization Research Grant received in September 2006
 - Thiamine Status of Students Attending Boarding Schools in the National Capital District and Central Province, Papua New Guinea

Project completed on schedule. Final report submitted on schedule (December 2006).
- Office of Higher Education: Research Grant received in December 2007 (Vitamin A project)
 - Assessment and Monitoring of Vitamin A status of infants, age 6 to 59 months attending Paediatric clinic in Port Moresby General Hospital
 - Nutritional status of children in NCD.
 - Assessment of Vitamin A status of non-pregnant women in NCD.
 - Assessment of Microalbuminuria among diabetic and hypertensive patients in PMGH.

Project completed on schedule. Final reports submitted on schedule (Dec. 2007).
- SMHS Research Grant committee approved funding in March 2008 but no fund was provided. Personal fund was used for this project.
 - Assessment of the Adherence to HAART by HIV positive patients in Port Moresby

Project completed on schedule. Final report submitted on schedule (Dec. 2008).
- Office of Higher Education Research Grant received in July 2008:
 - Iodine nutritional status of School-age Children in Menyamy District, Morobe Province Papua New Guinea
 - Assessment of Thyroid Function in Cord Blood
 - Pseudo-cholinesterase activity in apparently healthy individuals in the National Capital District, Papua New Guinea
 - Assessment of the Dibucaine Numbers of Pseudo-cholinesterase in health individuals in National Capital District, Papua New Guinea
 - Using Glycosylated Haemoglobin (HbA1c) to assess Glycemic control in diabetic patients in Port Moresby General Hospital.
 - Retrospective assessment of the prevalence of Neonatal jaundice in Port Moresby General Hospital: January 2007 to December 2008

All projects completed on schedule. Final reports submitted on schedule (Dec. 2009).

8. Professional society activities:

- ❑ Active member of the Institute of Biology, London, England.
- ❑ A Chartered Biologist of the Institute of Biology, London, England
- ❑ Member of the Medical Association of PNG.
- ❑ Member PNG Biodiversity Network

9. Provision of leadership to team of researchers:

- ❑ Coordinator and Principal researcher: Iodine Deficiency Disorder (IDD) Research Project: June 2002 to date. A multidisciplinary research project that involves colleagues from the Disciplines of Biochemistry and Molecular Biology, O & G, Pharmacology, Physiology, Pathology, Medicine, Paediatrics, and Public Health.
- ❑ IDD program manager: Micronutrient Research Laboratory SMHS UPNG.
- ❑ Chairman, Micronutrient Research Group SMHS UPNG: September 2003 to date. This group has succeeded in setting up the first Micronutrient Research Laboratory (MRL) in SMHS UPNG. The MRL is now a registered member of the Ensuring the Quality of Iodine Procedure (EQUIP) program in Centers for Disease Control and Prevention Atlanta Georgia USA. The MRL is also a member of the International Iodine Network. The MRL is currently involved in research project involving four micronutrients: Zinc, Iron, Plasma Retinol (Vitamin A) and Thiamine (Vitamin B-1).
- ❑ Member (in charge of laboratory matters), National Nutrition Task Force: Major functions: planning, implementation and coordination of 1st Nation Micronutrient Survey in PNG: 2005.
- ❑ Co-ordinator of all lab issues involving Diethylcarbamazine (DEC) Fortified Salt as a Strategy for the Control and Elimination of Lymphatic Filariasis (LF) in PNG.
- ❑ Co-researcher: DNA Data base for Forensic analysis: Molecular Genetics laboratory, Division of Basic Medical Sciences, SMHS UPNG.
- ❑ Co-ordinator of research projects on disease trends in PNG, with emphasis on retrospective assessment of laboratory data obtained in the Clinical Biochemistry unit in PMGH: Metabolic disorders (diabetes mellitus, gestational diabetes, thyroid dysfunction, anaemia, oxidative stress, and hypertension) with special interest in diagnosis and clinical biochemical assessment at the subclinical stages.
- ❑ Co-ordinator of research group on: Food Insecurity and its implication for maternal and child health and also for people living with HIV/AIDS in PNG: Projects involve data collection and advocacy

ADMINISTRATIVE PORTFOLIO:

1. Participation in School Administration and Governance:

- Leader, Discipline of Biochemistry and Molecular Biology in the Division of Basic Medical Sciences, SMHS, UPNG from January 2002 to Date.
- Chairman, 2nd Year MBBS, Academic committee January 2002 – to date.
- Member, Undergraduate Medical Education Committee (UMEC) in SMHS 2002 to date.
- Head, Division of BMS, SMHS UPNG, January 2003 – to date.
- Member, SMHS Standing Committee, January 2002 to date
- Member, SMHS Postgraduate Committee, January 2003 to date.
- Member, SMHS Planning Committee, January 2002 to date.
- Member, SMHS Ethical and Research Grant Committee: 2003 to date
- Co-ordinator, Joint Divisional Seminar Series: (Divisions of BMS, Health Sciences and Dentistry fortnightly academic seminar presentation): January 2006 to 2009.

- Member, SMHS Time Table Committee: January 2006 to date.
- Acting Executive Dean SMHS, UPNG: 5th to 15th September 2008
- Acting Executive Dean SMHS, UPNG: 29th Aug to 6th Sept 2010

2. Participation in UPNG Committees/Administration and Governance:

- SMHS Representative in the UPNG “Curriculum Review and Three Term Review Committee” from June 2002 to 2006.
- SMHS Representative in the UPNG Curriculum Transition Task Force: March 2003 to 2006. Functions of the task force include coordinating all aspects of the transition of UPNG curriculum from Trimester system to Semester system.
- SMHS Representative in the UPNG Vice Chancellor’s Committee on Teaching Learning and In-House Training Matters: August 2003 to 2006.
- SMHS Representative in the UPNG Senate Sub-committee on “The Policy of Course Variation and Overload”: August 2002 to 2006.
- SMHS Representative in the UPNG committee on Plagiarism and Staff disciplinary matters: November 2003 to 2006.
- SMHS Representative in the UPNG student assessment policy committee: 2004 to 2007.
- Elected member of UPNG Centre for Teaching, Learning & In-House Training Advisory Committee: January 2004 to 2006.
- Elected member of UPNG Teaching Awards Committee: March 2004 to 2006.
- SMHS Representative in UPNG Enrichment Program Review Working Group: 2007 to date.
- Member, UPNG Governing Council: January 2007 to December 2008
- Member, UPNG Examination Board (UEB): January 2007 to date

3. Course administration and support:

- As Leader in the Discipline of Biochemistry and Molecular Biology I actively participate in:
 - The development and implementation of the Biochemistry and Clinical Biochemistry Roadmaps for the MBBS curriculum for 2nd to 5th Year students.
 - Regular review of the Biochemistry and Clinical Biochemistry Roadmaps in relation to modifications in the P & C problems at the various levels;
 - Development and full implementation of the Biochemistry and Clinical Biochemistry courses in the Semester system in Divisions of Health Sciences and Dentistry
 - Coordination and preparation of Biochemistry and Clinical Biochemistry course outlines and course descriptions for the Health Sciences and Dentistry programs
 - Distribution of the course outlines and course descriptions to students in the Divisions of Health Sciences and Dentistry.
 - Coordination of teaching activities of Biochemistry and Clinical Biochemistry courses in Divisions of Health Sciences and Dentistry.
- As Head Division of Basic Medical Sciences (BMS) SMHS UPNG:
 - I liaise with Leaders of the various Disciplines in the Division of BMS to ensure effective implementation of teaching activities, preparation of course outlines and course descriptions for distribution to students in Health Sciences and Dentistry.
 - I also liaise with the Leaders of the various Disciplines in the Division of BMS on all matters related to the smooth running of the academic programs in the SMHS UPNG.

OUTREACH PORTFOLIO:

1. Unpaid Consultancy/Advisory services:

- Honorary Biochemist of the Medical panel of the PNG Sports Federation and Sports Commission Medicine & Fitness Monitoring program, Sept 2002 to date
- Laboratory Science adviser on PNG National Micronutrient Survey: Responsible for Laboratory issues and solutions during the First National Micronutrient Survey: February 2003 to date.
- Appointed External Evaluator in Drug Registration: National Department of Health (NDOH) Committee for the Evaluation of Drugs for Registration: October 2005 to date. Duties involved evaluation of scientific, clinical and toxicological data of drug applications for medicinal products. Providing expert advice to the Pharmacy Board of PNG with regard to drug evaluation and registration.
- Chairman, PNG Food Fortification Technical Committee, which is a sub-committee of the PNG Food Sanitation Council, NDOH: September 2007 to date.
- Member, PNG Food Fortification Inspection and Monitoring Committee: September 2007 to date
- Member, PNG National Technical Working Group (NTWG) NDOH, on the National Program to Eliminate Lymphatic Filariasis (LF). September 2007 to date.
- Provide regular consultations to technical staff in the National Agricultural Research Institute (NARI) Laboratory in Kila Kila, Port Moresby: 2006 to date.

2. External Examiner/ Reviewer:

- International Reviewer: “Journal Thyroid” (On-Line reviewer of scientific manuscripts: 2009 to date.
- International Reviewer: “African Journal of Food, Agriculture Nutrition and Development (AJFAND)”: (On-Line reviewer of scientific manuscripts: 2009 to date.
- Member, Editorial Board, Biomedical Science Letters, (On-Line reviewer of scientific papers on Nutrition): 2001 to date
- Member, Editorial Board, West African Journal of Biological Sciences, (Reviewer of papers on Enzymology and Micronutrients): 2000 to date.
- External Reviewer for PNG Journal of Agriculture, Forestry and Fisheries. September 2002 to date.
- Chairman, Post graduate examination committee for the degree of Master of Medical Sciences: 2006 to date

3. Voluntary education services:

- Presented series of lectures on: “Sports Nutrition” to Papua New Guinea National Olympic Committee Sports Medicine Course for Health Professionals with particular interest in Sports Medicine: Series of Workshops held at the Gateway Hotel, Port Moresby, PNG; June 2004; March 2006; February 2008.
- Conducted Iodised salt monitoring training sessions for Inspectors and Quarantine officers in National Agriculture Quarantine and

Inspection Authority (NAQIA) PNG, August 2005, August 2006, August 2007, June 2008, April 2009.

- Conduct regular seminars for technical staff in the National Agriculture Research Institute Lab in Kila Kila, Port Moresby PNG.

DISTANCE AND CONTINUING EDUCATION PORTFOLIO:

- Course Coordinator:
 - Development of teaching materials for PNG Pharmaceutical Upgrade Project:
 - Development and writing of course materials for Pharmaceutical Biology and Biochemistry

Teaching professional short courses:

- Teaching Biochemistry and Clinical Biochemistry to Postgraduate Master of Medicine (M. Med) Part I Course.
- Review of Biochemistry and Clinical Biochemistry course materials of upgrading of the BMLS, B. Pham, B. Med Sciences, BOH and BDS programs.
- UPNG counter-part in collaboration with Curtin University of Technology Western Australia in the writing of the Workbooks for the Pharmaceutical Biology Biochemistry course for the Distance Education Program – Papua New Guinea Pharmaceutical Upgrade Project for the Diploma in Pharmaceutical Technical Services (by conversion of the Certificate in Pharmacy Practice).

Victor J. Temple, M. Sc., Ph. D., C. Biol., M. S. M (M. I. Biol.)
Associate Professor in Biochemistry