

BACTERIOLOGY RESEARCH DIVISION



Dr Ei Ei Htway
BSc (Hons:), MSc, M.Res (Chemistry),
Ph.D. (Chemistry), (MU)

Deputy Director	... Dr Ei Ei Htway BSc (Hons:), MSc, M.Res (Chemistry), ... Ph.D (Chemistry), (MU)
Research Officer	... Dr Tin Zar Myo Win MBBS, MMedSc (Paediatrics) (UMM)
Research Officer	Dr Nyein Nyein Thaung MBBS, MMedSc (Microbiology) (UMM)
Laboratory Incharge	... Daw Mie Mie Lwin BSc (Botany) (MU)
Research Assistant (2)	... Daw Chaw Su BSc, MSc (Chemistry) (MU) ... Daw Tin Zar Aye BSc, MSc, M.Res (Microbiology) (YU) ... Daw Cherry Kyaw Win BSc, MSc (Microbiology) (MU) ... Daw San San Shwe BSc (Chemistry) (UDE)

Bacteriology Research Division has been actively engaged in conducting a number of research projects in areas of Communicable diseases. Other services of research were also provided to collaborative research with University of Medicine (Mandalay), University of Pharmacy and University of Traditional Medicine (Mandalay) for Academic purposes.



SERVICES PROVIDED

ACADEMIC

Sr. No	Name	Service	Responsibility
1	Dr Saw Myat Thwe	Postgraduate Studies for the Degree of Master of Myanmar Traditional Medicine 2015 Antimicrobial activities of <i>Boerhavia diffusa</i> 2015 Antimicrobial activities of <i>Alysicarpus monilifer</i> 2015 Antimicrobial activities of <i>Carcia papaya</i> 2015	Technical Advisor Technical Advisor Technical Advisor Technical Advisor
2	Dr Saw Myat Thwe	Postgraduate Studies for the Degree of Master of Myanmar Traditional Medicine 2016	Co-Supervisor
3	Dr Nyein Nyein Thaung	Postgraduate Studies for the Degree of Master of Pharmacy 2019	Co-Supervisor
4	Dr Nyein Nyein Thaung	Antibacterial activity of <i>Solanum torvum</i> Swartz. fruits(ကစေ့ခါး) 2019	Technical Advisor
5	Dr Nyein Nyin Thaung, Daw Cherry Kyaw Win	Anti-bacterial activity of two major bioactive compounds (hydroxychavicol and eugenol) of <i>Piper betle</i> L. leaf (ကွမ်းရွက်) on <i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i> and <i>Escherichia coli</i> 2020	Technical Support, Co-investigator

LOCAL SEMINARS, WORKSHOPS AND SHORT TRAINING COURSES

Sr	Name	Designation	Seminar/Workshop
1.	Dr Ei Ei Htway	Deputy Director	<p>(1) Basic Pre-service Course No (14) for Civil Service Officers, Phaung Gyi, (16.9.03 to 18.12.03)</p> <p>(2) Workshop on Strengthening Research capacity on malaria research, DMR (UM), (28.6.2004 to 7.7.2004)</p> <p>(3) Research methodology, Department of Medical Research (Lower Myanmar) (4.8.05 to 6.8.05)</p> <p>(4) Workshop on Scientific Writing, DMR (POLB), (21.8.2006 to 23.8.2006)</p> <p>(5) Workshop on Research Proposal Development (3.3.2009 to 7.3.2009)</p> <p>(6) Workshop on Qualitative Data Analysis, DMR(UM), (1.6.2009 to 5.6.2009)</p> <p>(7) Workshop on Ethical issues in Reproductive Health Research, DMR(UM), (17.8.2009 to 20.8.2009)</p> <p>(8) Workshop on Quantitative Data Analysis, DMR(UM), (19.10.2009 to 27.10.2009)</p> <p>(9) Workshop on Research Proposal Development, DMR(UM). (30.8.2010 to 2.9.2010)</p> <p>(10) Training Course on Advanced Laboratory Equipment, Department of Medical Research (Lower Myanmar) (3.9.2012 to 7.9.2012)</p> <p>(11) Workshop on Improving Skill in Research Management & Leadership, DMR(UM), (8.10.2012 to 12.10.2012)</p> <p>(12) Workshop on Qualitative Data Collection & Analysis with Special session on Health Economic, DMR(UM), (17.12.2012 to 21.12.2012)</p> <p>(13) Intermediate level Quantitative Data Management and Analysis, DMR(UM), (22.4.2013 to 26.4.2013)</p> <p>(14) Mid-level Officers management training course, No (56), Zeepinkyi (7.9.2015 to 2.10.2015)</p> <p>(15) Responsible Conduct of Research and Research Methodology Workshop, DMR(POLB), (7.2.2017 to 11.2.2017)</p> <p>(16) Training on Advance Molecular and Immunological Diagnosis of Tropical Febrile Infectious Diseases, DMR (POLB), Myanmar (17.12.2018 – 21.12.2018)</p> <p>(17) Training Workshop on Scientific Writing, DMR (HQ), (19.8.2019 to 23.8.2019)</p>

2.	Dr Tin Zar Myo Win	Research Officer	<p>(1) Responsible Conduct of Research and Research Methodology Workshop, DMR (POLB), (7.2.2017 to 11.2.2017)</p> <p>(2) Training on Advanced Management of Tropical Frbrile infectious Diseases, DMR (POLB), (10.9.2018-14.9.2018)</p> <p>(3) Training on Advance Molecular and Immunological Diagnosis of Tropical Febrile Infectious Diseases, DMR (POLB), Myanmar (17.12.2018 – 21.12.2018)</p>
3.	Dr Nyein Nyein Thaug	Research Officer	<p>(1) Workshop on Research Methodology, Department of Medical Research (Lower Myanmar), (2-4 October, 2012)</p> <p>(2) Workshop on Improving skills in Research Management and Leadership, Funded By WHO/HRP, Department of Medical Research (Upper Myanmar), (8-12 October, 2012)</p> <p>(3) Workshop on Qualitative Data Collection and Analysis with Special Sessions on Health Economics, Funded by WHO/HRP, Department of Medical Research (Upper Myanmar), (17-21 December, 2012)</p> <p>(4) Workshop on Molecular Biology, Department of Medical Research (Central Myanmar), (18-22 February, 2013)</p> <p>(5) Workshop on Intermediate Level Quantitative Data Management using WHO Recommended Statistical Softwares (with Special Sessions on SPSS Software), Department of Medical Research (Upper Myanmar), (22-26 April, 2013)</p> <p>(6) Workshop on Responsible Conduct of Research, Funded by WHO/HRP, Department of Medical Research (Upper Myanmar), (23-25 October, 2013)</p> <p>(7) Workshop on Evidence Informed Policy Making In Health Sector, Funded by WHO/HRP, Department of Medical Research (Upper Myanmar), (2-6 December, 2013)</p> <p>(8) Training on Good Clinical Practice, Funded by MORU, Department of Medical Research (Upper Myanmar), (11 November, 2013)</p> <p>(9) Tracking Resistance to Artemisinin Collaboration, Phase-2 (SIV and GCP Training) (MORU), (16-17 July, 2015)</p> <p>(10) Interviewer training on 2019 Health Facility Assessment for Reproductive Health Commodities and Services, Department of Medical Research (Pyin Oo</p>

			<p>Lwin Branch), (30th – 3rd March, 2019)</p> <p>(11) Research Prioritization Workshop on Antimicrobial Resistance in Myanmar, Department of Medical Research (Yangon), 7th – 8th November, 2019)</p> <p>(12) Workshop on Data Management and Report Writing 2019 Facility Assessment for Reproductive Health Commodities and Services, Nyaung Shwe, (25th - 29th November, 2019)</p> <p>(13) In –house KoBoToolbox Programming Training Mobile Data Collection, DMR(POLB), 3rd- 5thMarch, 2020</p> <p>(14) Short course on Efficient, Quality-assured Data Capture Using EpiData, Department of Medical Research (Pyin Oo Lwin Branch), 10th-11th March, 2020)</p>
4.	Daw Mie Mie Lwin	Laboratory Incharge	<p>(1) Training Workshop on Molecular and Liquid Drug Susceptibility Testing Methods for Detection of Pyrazinamide and Second Line Anti- TB Drug Resistance, DMR, (23.11.2015 – 25.11.2015)</p> <p>(2) Workshop on Research Methodology, DMR, (22.9.2015- 24.9.2015)</p> <p>(3) Workshop on Research Methodology Training, Shwe Pyi Taw Hotel,NPT (25.7.2016-29.7.2016)</p> <p>(4) Training on Advanced Management of Tropical Frbrile infectious Diseases , DMR(POLB) (10.9.2018- 14.9.2018)</p> <p>(4) Training on Advance Molecular and Immunological Diagnosis of Tropical Febrile Infectious Diseases, DMR (POLB), Myanmar (10.12.2018 – 12.12.2018)</p> <p>(5) Training on Advance Molecular and Immunological Diagnosis of Tropical Febrile Infectious Diseases, DMR (POLB), Myanmar (17.12.2018 – 21.12.2018)</p> <p>(6) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR (POLB), Myanmar (29.7.2019-2.8.2019)</p> <p>(7) Experimental Molecular Approaches for Malaria Researches, DMR (POLB), Myanmar (26.8.2019- 28.8.2019)</p>
5.	Daw Chaw Su	Research Assistant (2)	<p>(1) Medical Laboratory Technician Grade -1 (2013- 2015)</p>

			<p>(2) Training Workshop on Molecular and Liquid Drug Susceptibility Testing Methods for Detection of Pyrazinamide and Second Line Anti-TB Drug Resistance, DMR, (23.11.2015 to 25.11.2015)</p> <p>(3) Workshop on Research Methodology Training, Shwe Pyi Taw Hotel, NPT (25.7.2016 - 29.7.2016)</p> <p>(4) Responsible Conduct of Research and Research Methodology Workshop, DMR(POLB) (7.2.2017 - 11.2.2017)</p> <p>(5) Training on Advance Molecular and Immunological Diagnosis of Tropical Febrile Infectious Diseases, DMR (POLB), Myanmar (10.12.2018 – 12.12.2018)</p> <p>(6) Training on Advance Molecular and Immunological Diagnosis of Tropical Febrile Infectious Diseases, DMR (POLB), Myanmar (17.12.2018 – 21.12.2018)</p> <p>(7) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR (POLB), Myanmar (26.8.2019-28.8.2019)</p> <p>(8) Basic Course for Junior Civil Service Officer (74), Central Institute of Civil Service (Upper Myanmar), Myanmar (7.10.2019-1.11.2019)</p> <p>(9) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR (POLB), Myanmar (29.7.2019-2.8.2019)</p> <p>(10) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR (POLB), Myanmar (13.11.2019-19.11.2019)</p>
6.	Daw Cherry Kyaw Win	Research Assistant (2)	<p>(1) Research Methodology Workshop {DMR/ POLB (1.9.2014 -4.9.2014)}</p> <p>(2) 45th Myanmar Health Research Congress {DMR/Yangon (9.1.2017 –13.1.2017)}</p> <p>(3) Responsible Conduct of Research and Research Methodology Workshop {DMR/POLB (7.2.2017 - 11.2.2017)}</p> <p>(4) Training on Advanced Management of Tropical Febrile Infectious Diseases {DMR/POLB (10.9.2018-14.9.2018)}</p> <p>(5) Training on Advance Molecular and Immunological Diagnosis of Tropical Febrile Infectious Diseases, DMR (POLB), Myanmar (10.12.2018 – 12.12.2018)</p> <p>(6) Basic Course for Junior Civil Service Officer (59), Central Institute of Civil Service (Upper Myanmar), Myanmar (29.4.2019-24.5.2019)</p> <p>(7) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR (POLB), Myanmar (29.7.2019- 2.8.2019)</p> <p>(8) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR(POLB), Myanmar (13.11.2019-19.11.2019)</p>

			(9) In-house KoBoToolbox Programming Training Mobile Data Collection, DMR(POLB), 3 rd - 5 th March, 2020
7.	Daw San San Shwe	Research Assistant (2)	(1) Experimental Molecular Approaches for Malaria Researches, DMR (POLB), Myanmar (26.8.2019- 28.8.2019) (2) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR (POLB), Myanmar (29.7.2019- 2.8.2019) (3) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases Training, DMR(POLB), Myanmar (13.11.2019- 19.11.2019)

INTERNATIONAL SEMINARS, WORKSHOPS AND SHORT TRAINING COURSES

Sr	Name	Designation	Seminar/Workshop
1.	Dr Ei Ei Htway	Deputy Director	Training on “Extraction of Medicinal Plants” (23 th March-10 th April, 2009) Central Institute of Medicinal and Aromatic plants (CIMAP), Lucknow, India.
2.	Dr Tin Zar Myo Win	Research Officer	International Training on Human Participant Protection and Surveying and Evaluating Ethical Review Practices (6.3.2018 – 9.3.2018)
3.	Dr Nyein Nyein Thaung	Research Officer	(1) Acquiring Techniques for Biological Function imaging by Using Molecular Histochemical Methods, Japan, (11.9.2016-18.9.2016) (2) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases in Myanmar, Korea (15.6.2019 - 26.7.2019)
4.	Daw Mie Mie Lwin	Laboratory Incharge	(1) Acquiring Techniques for Biological Function imaging by Using Molecular Histochemical Methods, Japan, (11.9.2016-18.9.2016) (2) Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases in Myanmar, Korea (15.6.2019 - 26.7.2019)
5.	Daw Chaw Su	Research Assistant (2)	Supportive Program for Advanced Management of Tropical Febrile Infectious Diseases in Myanmar, Korea (15.6.2019 - 26.7.2019)
6.	Daw Cherry Kyaw Win	Research Assistant (2)	“The 4 th KOICID-C ³ BIRD-TIDCL International Symposium and Meeting” and “2 nd Workshop for TIDCL” on 16-22 February, 2019 in South Korea

INTERNATIONAL FELLOWSHIPS

Sr No.	Name	Designation	Fellowship
1.	Daw Tin Zar Aye	Research Assistant (2)	Ph.D (Synthetic Organic Chemistry) The Institute of Scientific and Industrial Research, Osaka University, Japan

LOCAL POST-GRADUATE STUDY

Sr No.	Name	Designation	Course
1.	Daw Mie Mie Lwin	Laboratory Incharge	B.Med.Tech University of Medical Technology (Laboratory), Mandalay