

BRMC 304- Containment Principles in Planning and Design, Construction, Maintenance and Certification of Containment Facilities

Trainer Profile

Dr Tessy JOSEPH



Dr Tessy Joseph is the Senior Assistant Director of BSL-3 Core Facility, Yong Loo Lin School of Medicine at National University of Singapore (NUS Medicine). In addition to the current portfolio in NUS, she serves in various organizations and committees at national level relating to biorisk. She also publishes and conducts trainings on related topics. Dr Joseph is a certified Biosafety Professional (RBP) by American Biosafety Association (ABSA) and International Federation of Biosafety Associations (IFBA). She is also an active member of Biorisk Association of Singapore (BAS) from its start and was a EXCO member with various roles including as President and Vice-President. She is the current President of the Association.

Dr Joseph holds a Ph.D. in Life Sciences from NUS and had worked as a Scientist in NUS Medicine for several years. Before taking up the current role with BSL-3 Core Facility in 2019, she was the Group Leader of the Biomedical Group at NUS Office of Safety Health and Environment (OSHE), that is responsible for safety and health management of research laboratories in NUS. During this period, she has gained in-depth knowledge and experience in developing and implementing various biorisk and animal research Policies and Programmes including trainings. She has obtained full qualification in Advanced Certificate in Training and Assessment (ACTA) and Biosafety Coordinator that is recognised by MOH.

Mr Anton SETIAWAN



A Nanyang Technological University Mechanical Engineering graduate with a Master's degree in Sustainable Building Design from the University of Nottingham, Anton has 17 years of experience specialising in air-conditioning and mechanical ventilation, laboratory and healthcare building design and fit out. Anton has spearheading teams to deliver multiple Laboratories fit out projects, including Code compliance consideration using his expertise as a Professional Engineer (Mechanical).

Anton regularly leads the delivery of MEP (Mechanical, Electrical and Plumbing) Engineering services for developments across a range of industries, including NCID BSL-3/3+ at Tan Tock Seng Hospital, Yong Loo Lin School of Medicine's Biosafety Level 3 (BSL-3/ABSL-3) Laboratory at National University of Singapore, A*Star Modular BSL-3 Lab Fit out at Defu Lane, Lee Kong Chian Natural History Museum (LKCNHM), and range of chemical and BSL-2 Laboratories.

Particularly for BSL-3 Facilities, Anton is a MOH-Approved Facility Certifier (Engineering) working closely with Laboratory Biorisk Consultancy & Training Pte Ltd to carry out BSL-3 Facility certifications. He also has been involved in BSL-3 Lab Conceptual, Detailed design, Construction supervision and T&C including Pre-certification exercise.