

BayCare Laboratories LLC - Scientific Staff



Larry Bischof, MD, PhD, Medical Director

Dr. Bischof completed a combined doctoral training program from Vanderbilt Medical School earning a MD and a PhD in Biochemistry. He then received additional training in biomedical research at the University of California, San Diego. This was followed by residency training in Clinical Pathology and fellowship training in Molecular Genetic Pathology, both at the University of Michigan. His focus during residency and fellowship training included the molecular pathology of hematologic neoplasms, solid tumors and infectious diseases. Dr. Bischof joined the BayCare Health System in July 2011 and serves as both a clinical and molecular pathologist.



Shadi Sepehri, MD, PhD, D(ABMM), FCCM, Scientific Director

Dr. Sepehri is a board-certified Clinical Microbiologist with expertise in both conventional and molecular Microbiology. She obtained her MD from Mashad Medical School in Iran followed by a PhD in Medical Microbiology at the University of Manitoba in Canada. She then pursued a fellowship in Clinical Microbiology, where she gained hands on technical and regulatory experience at academic tertiary hospitals (adults, pediatrics), the provincial public health laboratory and at the National Microbiology Laboratory of Canada. Dr. Sepehri joined BayCare in 2019 to direct the Microbiology section across 13 different hospital laboratories as well as the BayCare Regional Microbiology Lab. She assumed the role of the Scientific Director of BayCare Laboratories in 2024, where she oversees the technical activities of several clinical lab disciplines across BayCare.



Patrick Erdman, D.O., Assistant Medical Director

Dr. Erdman attended medical school at the Philadelphia College of Osteopathic Medicine. This was followed by residency training in Clinical Pathology at Penn State Hershey Medical Center, where he served as Chief Resident in his final year. He then went on to complete a two-year fellowship in Laboratory Medicine at Memorial Sloan Kettering Cancer Center. His focus during fellowship included clinical chemistry, hematology/coagulation, molecular pathology and informatics. Dr. Erdman joined the BayCare Health System in July 2019.



Aminur Rahman, PhD, Technical Director/Manager of Molecular Genomics

Dr. Rahman completed doctoral training in Japan, with a major in “Cell Information Medicine”. He then received a postdoctoral fellowship at Emory University School of Medicine, Atlanta, Georgia. During doctoral and post-doctoral fellowship, he focused on developing new strategies/medicine for cancer treatment. He has a major contribution in discovering nanotechnology-based drug delivery system for the treatment of cancer and was published in several prestigious journals like Proceedings of the National Academy of Sciences, Cancer Research, Clinical Cancer Research, etc. He also served in a high complexity molecular diagnostic laboratory at Northside Hospital, Atlanta, Georgia and developed several tests including Next Generation Sequencing, Minimal residual disease, Gene Fusion. Dr. Rahman joined the BayCare Health System in March 2024 and serves as Technical Director/Manager in Molecular Genomics.

Louise Werner MS, CLS, (H)ASCP, Technical Manager/Director of Flow Cytometry & Special Chemistry and Esoteric Facility Manager

Louise Werner's expertise is in Hematology, Flow cytometry and Laboratory Quality. Louise did her training in England, U.K. and gained work experience in London and Nottingham hospitals, she also worked for 6 years in the Middle East as a laboratory supervisor. After immigrating to the United States in 1999, she has spent 20 years working in Flow Cytometry at reference laboratories, St Lukes Hospital and MD Anderson cancer center in Houston, Texas.

Judy Shankel, BA, CG(ASCP), MB(ASCP), Supervisor, Cytogenetics and FISH

Bradley P. Schindel, BS, MB(ASCP)^{CM}, Supervisor, Molecular Lab

Karen Moench, BS, Supervisor, Microbiology Lab