In-Training Evaluation Report – Genetic and Genomic Diagnostic Specialty

NAME: Last Name _____ First Name _____

Date Training Started: _____ Full Time ☐ Part time ☐

Training Stage: **Core** Unit: **Cancer Genetics 1**

Unit Start Date: _____ Unit End Date: _____

Training Site: _____ Supervisor: _____

Learning objectives associated with this unit:	Below expectations	Meets expectations	Exceeds expectations
ME 1.3 Apply knowledge of the relevance of cytogenetics to cancer diagnosis, prognosis, stratification for treatment and residual disease monitoring			
ME 1.3 Apply basic knowledge of normal hematopoiesis versus hematopathology of myeloproliferative neoplasia, myelodysplastic syndrome, and chronic and acute leukemia			
ME 1.3 Apply basic knowledge of the methodologies used by hematopathologists including, but not limited to, morphologic evaluation, cell counts, flow cytometry, and immunohistochemistry in refining necessary testing in oncology specimens			
ME 1.3 Apply knowledge of the most recent World Health Organization (WHO) classification systems of cancers to identify significant chromosomal and FISH anomalies			
ME 2.2 Demonstrate the ability to distinguish between constitutional and acquired chromosome abnormalities and recommend appropriate follow-up			
ME 2.2 Appropriately interpret data from chimerism studies in the context of hematopoietic stem cell transplant			
ME 3.1 Understand the benefits and limitations of chromosome techniques to identify and characterize cancer cells and compare and contrast to molecular techniques			
ME 3.1 Comprehend the design of the different FISH probe types and the criteria for probe selection			
ME 3.1 Understand the method, benefits and limitations of interphase FISH on formalin fixed paraffin embedded (FFPE) tissues and on isolated nuclei			
ME 3.4 Perform all laboratory and analytical steps of the procedure to obtain chromosomes from oncology specimens: culture, harvest, slide preparation, staining			
ME 3.4 Perform all laboratory and analytical steps of the procedure for chromosome analysis of oncology specimens: criteria for cell selection and clone establishment, chromosome identification, metaphase analysis, karyotyping, anomalies identification and characterization by additional tests			

ME 3.4 Perform all laboratory and analytical steps of the FISH procedure on interphase nuclei and FFPE tissue (if possible): set-up, probe application, washes, slide reading, nuclei selection, image capture			
ME 3.4 Understand the parameters that influence the quality of chromosome and FISH preparations and troubleshoot them			
ME 3.4 Recognize expected normal and abnormal as well as non-standard signal patterns of interphase FISH probes and report on their significance			
COM 2.3 Apply proper use of the most recent ISCN to describe a karyotype or FISH result, including clone definitions, modal number and relative position of FISH signals			
L 1.1 Review current standards and guidelines for clinical FISH probes			

Longitudinal Competencies:	Never	Rarely	Sometimes	Usually	Always
ME 1.3 Apply knowledge of the main clinical features of genetic disorders in the context of choice of testing procedure, result interpretation and report writing					
ME 1.6 Demonstrate insight into limits of expertise and seek consultation as necessary					
ME 2.1 Prioritize specimens and testing based on clinical indication and impact on medical management					
ME 2.2 Select ancillary tests in a resource-effective and ethical manner that balances costs with potential utility of results					
COM 4.1 Prepare clear, concise, comprehensive, and timely written reports for genetic tests that incorporate personal and family history and results from other relevant testing in answering the clinical question					
COL 1.2 Discuss trouble-shooting issues with colleagues in the genetic laboratory including laboratory members					
COL 1.2 Work effectively with laboratory technologists and laboratory assistants, directing their assistance as appropriate					
COL 2.1 Respond to requests and feedback in a respectful and timely manner					
L 1.1 Actively participates in quality control, quality assurance, and quality improvement initiatives					
L 3.1 Review quality control data, and take appropriate action for deficiency follow-up, including possible sample mix-up					
HA 1.3 Understand the clinical implications of incidental findings, approaches to minimize the chance of finding them, and policies for reporting					
S 1.2 Identify opportunities for learning and improvement by regularly reflecting on and assessing personal performance					
S 2.4 Participate in available learning activities					
P 1.2 Demonstrate a commitment to excellence in all aspects of laboratory practice					
P 3.1 Adhere to the relevant codes, policies, standards, and laws governing laboratory practice including accreditation, standard operating procedures, training and competency, safety, and privacy					

Technical and Interpretative requirements have been completed for this unit Yes ☐ No ☐
If no, justify in the section below.

Summarize the trainee's performance for this unit and formulate recommendations for future improvement

Name/Signature of evaluator(s) _____

Date _____ _____

Name/Signature of Program Director _____

This is to attest that I have read this document Signature of Trainee _____