

# Beyond the Results

## Hematopathology

### A Consultative Approach to Patient Care

ACL Laboratories offers full service diagnostic evaluation of blood, bone marrow, lymph nodes and other hematopoietic and lymphoid tissues. Our goal is to provide timely, appropriate, accurate and cost-effective evaluation of each specimen, integrating the various results obtained into a comprehensive diagnosis.

Our specialty-trained hematopathologists provide continuous consultation services and are available to discuss cases directly with clinicians. ACL Laboratories pathologists are an important part of your oncology team to ensure definitive diagnosis and optimal case management for each patient.

#### Because oncology cases often are complex...

- We ensure accessibility of our hematopathologists for pre- or post-analytical consultation with clinicians
- We integrate all pathology, flow cytometry and cytogenetic studies into useful diagnostic tools for the clinician
- We make appropriate referrals of bone marrow specimens (depending on the clinical indications) for cytogenetic analysis, incorporating the results provided by board certified Clinical Cytogeneticists

#### Comprehensive oncology reports that include all pathology, immunohistochemistry, flow cytometry, cytogenetic and molecular studies...

- Rapid results are provided for immunohistochemical stains, flow cytometry, cytogenetic analyses and molecular testing
- Definitive diagnosis backed by experienced hematopathologists, cutting-edge technology and thoughtful judgment
- Multiple ways to access reports: EMR connectivity, via web portal, via internet, printer, fax, courier
- Around-the-clock availability of hematopathologists to assist the ordering physician

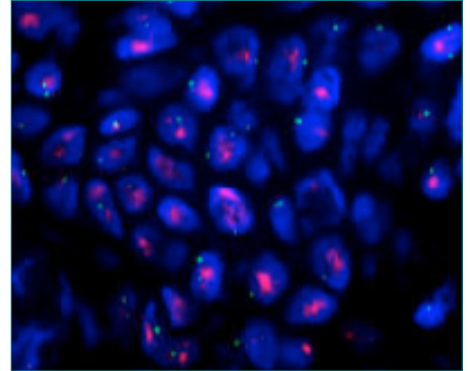


# Testing Menu

## FISH

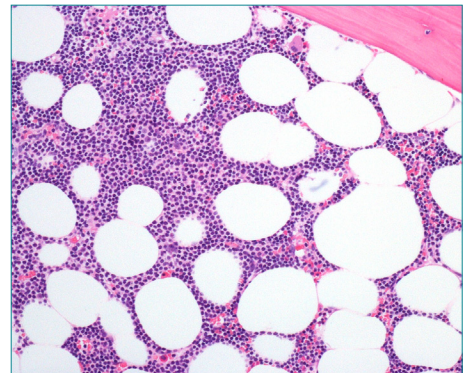
Individual probes (additional probes available)

- BCR-ABL t(9;22)
- PML-RARA t(15;17)
- inv(16)
- t(8;21)
- KMT2A/MLL
- IGH/CCND1 t(11;14)
- MYC rearrangement



## Oncology FISH Panels

- CLL
- ALL
- Hypereosinophilia
- High-Grade/Large B-Cell Lymphoma
- MDS
- Multiple Myeloma

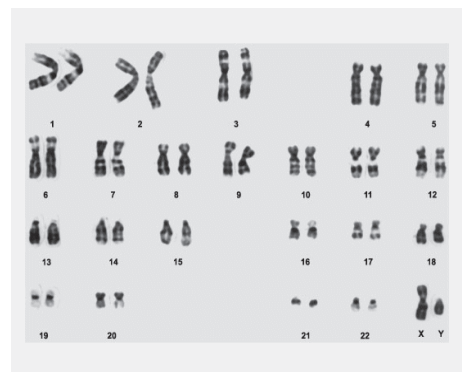


## Immunohistochemistry

- Comprehensive Antibody Library
- In Situ Hybridization
  - CMV EBER
  - Kappa/Lambda

## Cytogenetics

- Blood, Bone marrow, and Tumor Chromosome Analysis



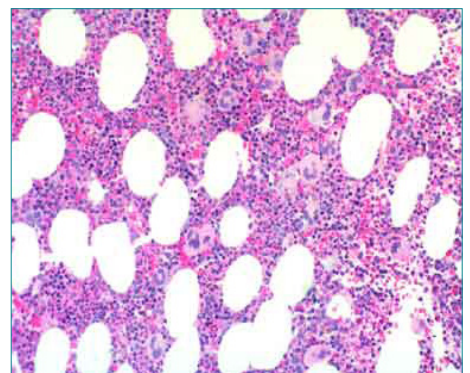
## Flow Cytometry

- Comprehensive Leukemia/Lymphoma Analysis
- PNH Analysis

## Other

- Bone Marrow Morphologic Analysis
- T-Cell and B-Cell Rearrangement, PCR

A more complete list of tests are available at [acllaboratories.com](http://acllaboratories.com).



# Hematopathology Leadership



**Dr. Margaret M. Anderson, MD** is a graduate of University of Michigan School of Medicine in Ann Arbor, MI where she completed her residency.

Additionally, Dr. Anderson completed a Hematopathology fellowship at the same institution following her residency.

Dr. Anderson is **Board Certified in Anatomic and Clinical Pathology, and Hematology** through the American Board of Pathology.



**Nathan J. Charles, MD** completed his undergraduate studies at The University of Wisconsin LaCrosse in 2002 and went on to complete his PhD in 2010 in Microbiology, Immunology & Cancer Biology and his MD degree in 2012, both at the University of Minnesota. He completed his Anatomic and Clinical Pathology residency at the University of Wisconsin Hospitals and Clinics in Madison, Wisconsin in 2016. He then completed fellowships in both Hematopathology, and Molecular and Genetic Pathology at the University of Michigan Health System in Ann Arbor, Michigan in 2017 and 2018.



**Dr. Robert B. Hall, MD** is a graduate of the Medical College of Wisconsin, Milwaukee, WI. He completed his residency at Yale New Haven Hospital/ Yale University.

Dr. Hall is **Board Certified in Anatomic and Clinical Pathology, and Hematology** through the American Board of Pathology.

Dr. Hall's special interests include hemoglobinopathies/thalassemias, and flow cytometry.



**Alicia M. Hunt, MD** is a graduate of the University of Oklahoma School of Medicine in Oklahoma City, OK. She completed her residency at the University of Pittsburgh Medical Center, as well as fellowships in Molecular Genetic Pathology and Hematopathology at the same institution.

Dr. Hunt is **Board Certified in Anatomic and Clinical Pathology and Molecular Genetic Pathology** through the American Board of Pathology.



**Dr. Stephen Sup, MD** is a graduate of University of Pennsylvania Medical School, Philadelphia, PA where he also completed his residency in pathology and a fellowship in surgical pathology.

Additionally, Dr. Sup completed a Hematopathology fellowship at the Cleveland Clinic with an emphasis in coagulation laboratory evaluation.

Dr. Sup has contributed to several journals on topics including Hodgkin Lymphoma and other B-Cell Hematologic Malignancy.

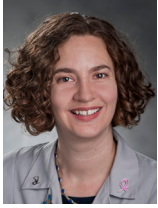
Dr. Sup is **Board Certified in Anatomic and Clinical Pathology, and Hematology** through the American Board of Pathology. Dr. Sup is the Medical Director for ACL Wisconsin coagulation laboratories.



**Dr. Amanda L. Wilson, MD** graduated with honors from University of Illinois-Chicago, Chicago, IL. Dr. Wilson completed her residency at Evanston Hospital, Evanston, IL. She completed a fellowship in hematopathology at the University of Pittsburgh Medical Center.

Dr. Wilson is **Board Certified in Anatomic and Clinical Pathology, and Hematology** through the American Board of Pathology. Dr. Wilson is a member of Alpha Omega Alpha, the National Medical Honor Society.

# Support Staff



## Support Staff

**Dr. Jillene M. Kogan, MD, PhD, FACMG** is a graduate of University of Illinois-Chicago, Chicago IL. She completed her residency in Pediatrics/Medical Genetics, and her fellowship in Clinical Cytogenetics at Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

Dr. Kogan is **Board Certified in Clinical Genetics** and **Clinical Cytogenetics** through the American Board of Medical Genetics and Genomics.

Dr. Kogan has authored many publications related to chromosome abnormalities in various medical journals.



## Support Staff

**Dr. Michael L. Mihalov, MD** is a graduate of Loyola Medical School in Maywood, IL, where he also completed his residency and fellowships in Surgical Pathology and Molecular Pathology.

Dr. Mihalov held several academic appointments at the University of Illinois School of Medicine and has published numerous articles on diagnostic molecular pathology, transplantation and viral diseases.

Dr. Mihalov **Board Certified in Anatomic and Clinical Pathology** through the American Board of Pathology.

Dr. Mihalov is the Medical Director of ACL Illinois Central Laboratory and the Molecular Pathology Laboratory.

