PROGRAMS OFFERED
Yale University School of Medicine and Yale-New Haven Hospital provide training for residents seeking Board certification in Anatomic Pathology (AP), Clinical Pathology (CP), and both Anatomic and Clinical Pathology (AP/CP). The Residency Program's mission is to provide comprehensive post-graduate training in anatomical and clinical pathology, and to prepare physicians for leadership in clinical practice, research, and academia. We produce world-class physicians and physician-scientists capable of fulfilling the role of the pathologist as a diagnostic consultant and of advancing the field of pathology. The physician-scientist training and research are supported by NIH-funded departmental training grants. Training in Pathology is provided by both the Department of Pathology and the Department of Laboratory Medicine, coordinated into a single Residency Program. Working together, the two departments assure strong training in both Anatomic and Clinical Pathology. The Smilow Cancer hospital at Yale-New Haven, Southern New England's only national cancer institute designated comprehensive cancer center, further enhances the volume of material available for training. Rotations at the West Haven campus of the Veterans Administration Healthcare System (VA) and at Bridgeport Hospital in Bridgeport, CT, and the Office of the Medical Examiner in Farmington, CT broaden the training experience by exposing residents to different practice environments. Yale-New Haven Hospital is the fourth largest hospital in the U.S. Residents acquire a fundamental knowledge and understanding of the various subspecialties of anatomic and clinical pathology. The core AP training is 24 months. Core CP training is 18 months. Combined training provides several options for the sequence of the core training, which is then supplemented with six months of flexible training opportunities, including transitional fellowship-level training and basic research (experimental pathology). In anatomic pathology, approximately 50,000 surgical specimens, 99,000 cytology specimens, and 243 autopsies are studied yearly. The laboratory medicine program provides training in clinical chemistry, hematology, immunology, transfusion medicine, and microbiology/virology and cell therapy. The Laboratory Medicine department is responsible for more than 13,000,000 annual lab tests, including reference testing for many other institutions. Molecular diagnostics experience and informatics exposure, both formal and informal, is integrated into both anatomic and clinical pathology training. Opportunities for in-depth experience with research are available for those interested, and may be pursued not only within the two Departments, but also with mentors in other basic science or clinical departments in the School of Medicine, School of Public Health, and Yale University. Pathology residents are responsible for the presentation of cases at interdepartmental conferences, and participate in Pathology and Laboratory Medicine course laboratories for second-year medical students. Follow-on fellowship opportunities are available in a wide range of subspecialty areas in both anatomic and clinical pathology.

REQUIREMENTS
All PGY-1 residency candidates will be accepted through the National Residency Matching Program (NRMP).

TYPES AND NUMBERS OF APPOINTMENTS
The program is accredited by the ACGME for 32 positions. Of these, 8 are first-year positions. Residents may arrange a program comprising straight anatomic (AP), straight clinical (CP), or a combination of anatomic and clinical pathology (AP/CP). Please be sure to specify your track preference when applying. Within each track, residents can pursue one of two career paths: “diagnostic practice” or “physician scientist”.

STIPENDS AND MAINTENANCE
For 2017-2018 the range of resident salaries is $61,509 to $70,397 per annum. Chief residents receive an additional stipend. Benefits include medical, dental, disability, professional liability, life insurance, vacation, sick leave, prescriptions, and an annual professional allowance. To maintain the quality of our staff, Yale-New Haven Medical Center feels it is essential to recruit and employ the people best prepared and committed to serve; therefore, drug testing is a condition of employment.

STAFF
All faculty members of the Departments of Pathology and Laboratory Medicine have appointments at Yale University, School of Medicine.

DEPARTMENT OF PATHOLOGY
Jon S. Morrow MD, PhD (Yale Univ 1976) Professor, Chairman and Chief; Research: protein chemistry; John H Sinard MD, PhD (Johns Hopkins Med Inst 1990) Professor and Vice Chair, Director, Anatomic Pathology; Director, Pathology Informatics; Research: pathology informatics; Diane P. Kowalski MD (Med Col Georgia 1994) Associate Professor; Director of Residency Program; Research: head and neck tumors; Janina Longtine MD (University of Massachusetts 1981) Professor of Pathology; Vice Chair, Director of Molecular Pathology & Genomic Diagnostics;
Adebowale Adeniran MD (Univ Ibadan, Nigeria 1995) Associate Professor; Director of Cytopathology; Research: oncologic pathology, cytopathology, urologic pathology; Rebecca Baldassari MD (Boston University, School of Medicine 2010) Assistant Professor of Pathology; Cytopathology; Medical & Surgical Pathology; Andrea L. Barbieri MD (Wayne State University 2009) Assistant Professor of Pathology; GI & Liver Pathology; Head, Neck & Endocrine Pathology; Veerle Bossuyt MD (Vrije Univ 2002) Assistant Professor; Research: molecular markers as an adjunct to cytologic and histologic examination; Demetrios Braddock MD, PhD (Univ Chicago 1996) Associate Professor; Research: structural biology of protein complexes in cancer; Natalia Buza MD (Univ of Pecs 1999) Associate Professor; Research: GYN and breast pathology; Guoping Cai MD (Wenzhou Med Col, Zhhejiangi, China 1983) Associate Professor; Research: Fine needle aspiration (FNA), cytology and urologic pathology; Robert Camp MD, PhD (Yale Univ 1997) Associate Research Scientist; Research: quantitative pathology, pathology education; Young J. Choi MD (Seoul Natl Univ Col Med 1966) Emeritus Professor, Director of Bridgeport Hospital Clinical Laboratories; Research: immunopathology; Paul Cohen MD (Columbia Univ., Col Physicians and Surgeons 1981) Assistant Professor, Chair of Bridgeport Hospital Pathology; Research: general surgical pathology, pulmonary pathology; JosÃƒÂ© Costa MD (Univ Barcelona 1967) Professor, Director of Translational Diagnostics; Research: tumor pathology and molecular genetics of tumors, Director of Autopsy & Morgue Services; Susan Fernandez DO (Western University of Health Sciences 1999) Assistant Professor, Cytology, GYN Translational Research; GYN Pathology; Karin Finberg MD (2003), PhD (Yale School of Medicine 2002) Assistant Professor, Research: Human Gentic; Genetic and Acquired Disorders of Systemic Iron Balance; Joanna Gibson MD, PhD (Mayo Clinic 2004) Assistant Professor; Research: gastrointestinal pathology; James Gill MD (Univ CT 1992) Assistant Clinical Professor; Research: forensic pathology; Earl Glusac MD (Michigan State Univ 1987) Professor; Research: cutaneous T-cell lymphoma/mycosis fungoides; melanocytic neoplasms, epithelioid cell histiocytoma; IL Song Hahn MD (Seoul National University) Assistant Clinical Professor; Liming Hao MD (Beijing Med Col 1983) Associate Professor; Research: GI pathology; Malini Harigopal MD (Osmania Univ 1985) Associate Professor; Director of Breast Pathology; Research: quantitative protein expression in breast cancer and prediction of therapeutic response; Robert J. Homer MD, PhD (Yale Univ 1987) Professor; Research: Experimental pulmonary pathology; S. David Hudnall MD (Medical University of South Carolina 1978) Professor; Research: Tumor immunobiology; Pei Hui MD, PhD (Xian Med Col 1984) Professor; Research: molecular oncogenesis; Peter A. Humphrey MD, PhD (Univ of Kansas 1984) Professor, Research: Urologic malignancies, including prostate cancer, kidney cancer, testis cancer and bladder cancer; Anita Huttner MD, PhD (Friedrich-Alexander Univ Erlangen-Nurnberg 1998) Associate Professor; Research: neuropathology; Dhanpat Jain MD (Mysore Univ 1986) Professor; Research: GI and liver disease; Michael Kashgarian MD (Yale Univ 1958) Professor Emeritus; Research: renal pathophysiology; Samuel Katz MD, PhD (Harvard Univ 2004) Assistant Professor; Research: hematopathology; Steven Kleinstein PhD (Princeton Univ 2002) Associate Professor; Research: computational immunology, systems biology, statistical and model-based analysis of experimental and clinical data; Yuval Kluger PhD (Tel Aviv University 1992) Associate Professor; Research: computational biology, whole genome analysis; Michael O. Krauthammer MD, PhD (Univ of Zurich 1995) Associate Professor; Research: biomedical informatics, text mining, computational biology; Themis R. Kyriakides PhD (Washington State Univ 1993) Associate Professor; Research: vascular biology, wound healing, bioengineering; William Laskin MD (Jefferson Medical College 1979) Associate Professor; Research: Soft tissue and bone.; Angelique Levi MD (Univ Rochester Med Col 1997) Assistant Professor; Research: cytopathology and genitourinary and gynecologic pathology; Joseph A. Madri MD, PhD (Indiana Univ 1975) Professor; Research: vascular biology, connective tissue biology, and immunobiology of autoimmunity; Vincent T. Marchesi MD, PhD (Yale Univ 1963) Professor; Research: membrane biochemistry; Wang Min PhD (Univ of Wales 1993) Professor; Research: vascular biology; Gilbert Moecikel MD, PhD (Ludwig Maximiliens Univ 1989) Professor of Pathology; Research: renal pathology/nephrology; Raffaella Morotti MD (University of Milan 1982) Professor of Pathology; Research: pediatric tumors; Don Nguyen PhD (University of Rochester 2004) Associate Professor; Research: lung cancer, cancer genomics; Ugor Ozerdem MD (Hacettepe University Faculty of Medicine 2012) Clinician, Research Surgical Pathology & Breast Pathology; Vinita Parkash MD (Lady Hardinge Med Col 1988) Associate Professor, Director of Surgical Pathology at Bridgeport Hospital; Research: gynecologic neoplasms and gestational trophoblastic disease; Marguerite Pinto MD (St Johns Med Sch India 1971) Assistant Professor; Research: tumor markers in cyst fluids, effusions and FNA breast pathology; Katerina Politc PhD (Columbia Univ 2003) Associate Professor; Research: mouse models of cancer, targeted therapy; Manju Prasad MD (Institute of Medical Sciences, Banaras Hindu University, India 1984) Professor; Research: head and neck pathology, endocrine pathology; David Rimm MD, PhD (Johns Hopkins Med Inst 1989) Professor; Research: tissue biomarkers, tissue microarrays; Marie E Robert MD (Univ Michigan 1988) Professor; Research: inflammatory bowel disease; John K. Rose PhD (Stanford Univ 1973) Professor; Research: viral assembly and viral vectors as vaccines; Gerald S. Shadel PhD (Texas A&M Univ 1991) Professor; Research: mitochondrial gene expression and disease; Jeffrey Sklar MD, PhD (Yale Univ 1977) Professor; Research: molecular diagnostics, molecular oncology, immunogenetics; David F. Stern PhD (Univ
California 1983) Professor; Research: growth factor receptors in carcinogenesis and DNA checkpoint signaling; 
Narendra Wajapeyee PhD (Indian Institute of Science 2005) Associate Professor; Research: cancer genomics, senescence and DNA methylation; Zenta Walther MD, PhD (Weill Med Col Cornell Univ 1995) Associate Professor; Research: tumor profiling, targeted therapy; A. Brian West MD (Univ Dublin, Trinity Col 1979) Professor Emeritus; Research: non-neoplastic gastrointestinal and liver disease; Serena Wong MD (UMDNJ 2009) Assistant Professor; Research: GYN Pathology; Mina Xu MD (Univ of CA 2006) Assistant Professor; Research: hematopathology; Xuchen Zhang MD, PhD (Chengde Medical College 1988) Assistant Professor; Research: Liver and gastrointestinal pathology; Neoplastic and non-neoplastic pulmonary pathology; Acute and chronic oxidant-induced lung injury.

SECONDARY APPOINTMENTS
Marcus Bosenberg MD, PhD (Cornell University Medical College 1994) Associate Professor; Research: melanocytic neoplasms, soft tissue tumors, cutaneous lymphoma, genodermatoses; Shawn E. Cowper MD (Michigan State Univ 1990) Associate Professor; Research: nephrogenic fibrosing dermopathy; Anjela Galan MD (N Testimitanu Kishinev State Med Inst 1991) Assistant Professor; Research: dermatopathology; Christine Ko MD (New York Univ 1999) Assistant Professor Yale Cancer Center and Pathology, Research: cutaneous and adnexal neoplasms; Rossitza Lazova MD (Higher Med Univ Bulgaria 1985) Associate Professor; Research: dermatopathology; Jennifer McNiff MD (Univ Vermont 1986) Professor; Director Dermatopathology Program; Research: dermatopathology, immunofluorescence; Antonio Subtil-Deoliveira MD, MBA (Federal Univ Goias 1996) Assistant Professor; Research: cutaneous lymphoproliferative disorders and melanocytic lesions.

DEPARTMENT OF LABORATORY MEDICINE
Brian R. Smith MD (Harvard Univ 1976) Professor and Chair. Research: flow cytometry, inflammation-coagulation interface, Chair 2006 to present; Director 2000 - present HemePath fellowship; Director 2001 to present Immunohemoglobin fellowship; Marie Landry MD (Georgetown Univ 1974) Professor and Vice Chair. Research: diagnostic and molecular virology; Sheldon Campbell MD, PhD (Baylor Col Med 1987) Associate Professor; Research: microbiology; Sandy Chang MD, PhD (Cornell Univ 1997) Professor; Research: genetics, molecular diagnostics; Tore Eid MD, PhD (Univ Bergen, Norway 1999) Assistant Professor; Research: metabolomics, neurology; Stephanie Eisenbarth MD, PhD (Yale 2005) Assistant Professor; Research: innate immunity and vaccines; Ann Haberman PhD (Univ Pennsylvania 1992) Assistant Professor; Research: in vivo microscopy; Jeanne Hendrickson MD (Emory Univ 1999) Associate Professor; Research: Red blood cell alloimmunization; Hemolytic disease of the newborn; J. Gregory Howe PhD (Univ Cal-Davis 1983) Associate Professor; Research: molecular diagnostics, virology; Peter I. Jatlow MD (SUNY Downstate 1961) Professor; Research: clinical chemistry, clinical psychopharmacology, toxicology; Paula M. Kavathas PhD (Univ Wisconsin 1980) Professor; Research: molecular immunology and immunogenetics; Diane Krause MD, PhD (Univ Pennsylvania 1990) Professor; Research: stem cell biology and transplantation; David Peaper MD, PhD (Yale Univ 2007) Assistant Professor; Research: Microbiology Diagnostics Mass Spectrometry; R. Rodian Rathbone MD (Yale Univ 1979) Assistant Clinical Professor; Research: automation and computation, biomedical engineering; Henry M. Rinder MD (Univ Vermont 1984) Professor; Research: platelet function and coagulation; Edward L. Snyder MD (New York Med Col 1973) Professor; Research: transfusion medicine, platelet function; Gary Stack MD (Univ Wisconsin 1983), PhD (Johns Hopkins Med Inst 1984) Associate Professor; Research: transfusion medicine; Peter Tattersall PhD (Univ London 1971) Professor; Research: molecular genetics, virology; Christopher Tormey MD (NY Med College 2004) Associate Professor; Research: alloimmunity, transfusion medicine; Richard Torres MD (Yale Univ 1999) Assistant Professor; Research: biomedical engineering, hematopathology; Janina A. Longtine MD (University of Massachusetts 1981) Genomics, Genetics and Epigentics.

APPLICATIONS
Candidates must be graduates of accredited medical schools in the United States or Canada or have passed the USMLE and hold a current ECFMG certificate. U.S. medical student applicants must be enrolled in the National Resident Matching Program. Applications should be completed by October 31 for appointments the following July. Applications will be accepted via ERAS only. Leadership: Diane P. Kowalski, MD, Director of Residency Training Program; Department of Pathology; Natalia Buza, MD, Associate Director of Residency Training Program; Department of Pathology; Henry M. Rinder, MD, Associate Director of Residency Training Program; Department of Laboratory Medicine.

Address inquiries to: 
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Yale University, School of Medicine 
Department of Pathology