



OPPORTUNITIES IN PATHOLOGY

For High School, College, Post-Baccalaureate and Medical Students

Compiled by the Association of Pathology Chairs (APC) – October 2018

www.apcprods.org/opportunities

FOR MEDICAL STUDENTS

Program Name	Medical School	Location	Deadline
OBSERVERSHIPS, ELECTIVES, AND ROTATIONS IN PATHOLOGY			
Medical Student Elective in Anatomic Pathology (4 weeks) http://labmed.ucsf.edu/education/other/electives-path-mlpathology.html	University of California, San Francisco	San Francisco, CA	12/31/2018
Pathology Elective Certificate Program (One month)	St. Georges University	Grenada, West Indies	02/01/2019
Pathology Electives for Medical Students (2-8 weeks) https://www.ucdmc.ucdavis.edu/pathology/education/medical_school_course/courses.html	University of California, Davis	Sacramento, CA	04/01/2019
Pathology Elective, Pathology Selective (2 wk selective or 4 wk elective) https://www.oumedicine.com/department-of-pathology	University of Oklahoma	Oklahoma City, OK	06/30/2019
Elective Rotations in Anatomic or Clinical Pathology (2-4 weeks) https://www.urmc.rochester.edu/education/md/visiting-students.aspx	University of Rochester	Rochester, NY	08/01/2019
Fourth Year Medical Student Rotations (4 week rotations)	Ohio State University	Columbus, OH	Rolling
Medical Student Electives in AP or CP (1 month) https://www.pathology.columbia.edu/education/medical-and-dental-student-teaching	Columbia University	New York City, NY	Varies
Elective Rotation for Trainees Underrepresented in Medicine (One month) http://pathology.jhu.edu/department/training/prospectives.cfm	Johns Hopkins University	Baltimore, MD	Rolling
Visiting Medical Student Clerkship Program (four weeks) https://www.mayo.edu/mayo-clinic-school-of-graduate-medical-education/visiting-medical-student-clerkships	Mayo Clinic	Rochester, MN	Varies
Elective Rotation (1 month rotations in AP and/or CP) https://med.uth.edu/admissions/student-affairs/	McGovern Medical School	Houston, TX	Rolling
Medical Student Shadowing Experience (1-3 days) https://med.virginia.edu/pathology/	University of Virginia	Charlottesville, VA	Rolling
SUMMER INTERNSHIPS AND FELLOWSHIPS IN PATHOLOGY			
Guido Majno Summer Fellowship In Pathology <i>Internal Applicants Only</i>	University of Massachusetts	Worcester, MA	01/31/2019
Angevine Fellowship (Summer) https://www.pathology.wisc.edu/education/fellowships/angevine	University of Wisconsin	Madison, WI	02/01/2019
Summer Internship in Pathology	University of Minnesota	Minneapolis, MN	02/15/2019
Summer Research Fellowship	Mayo Clinic	Rochester, MN	03/01/2019
Klionsky Summer Research Fellowship in Pathology http://path.upmc.edu/KlionskyFellowship.pdf	University of Pittsburgh	Pittsburgh, PA	03/31/2019



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Program Name	Medical School	Location	Deadline
POST-SOPHOMORE FELLOWSHIPS IN PATHOLOGY			
Post-Sophomore Fellowship (1 Year) https://www.pathology.umn.edu/learning-opportunities/post-sophomore-year-pathology-fellowship-medical-students	University of Minnesota	Minneapolis, MN	12/01/2018
POST-SOPHOMORE FELLOWSHIP (10-12 months) http://med.dartmouth-hitchcock.org/pathology/student_fellowships.html	Dartmouth-Hitchcock Medical Center	Lebanon, NH	12/10/2018
Post-Sophomore Fellowship (1 Year) https://med.virginia.edu/pathology/educational-programs/medical-student-programs/	University of Virginia	Charlottesville, VA	12/31/2018
Post-Sophomore Fellowship (1 Year)	West Virginia University	Morgantown, WV	12/31/2018
Post-Sophomore Fellowship (1 Year)	University of Missouri	Columbia, MO	12/31/2018
Post-Sophomore Fellowship (1 Year) http://www.kumc.edu/school-of-medicine/pathology/undergraduate-medical-education-programs/post-sophomore-fellowship-(psf).html	University of Kansas	Kansas City, KS	01/31/2019
Post-Sophomore Fellowship (1 Year) http://pathology.med.upenn.edu/education/fellowships/____programs/student-fellowship	University of Pennsylvania	Philadelphia, PA	01/01/2019
Post-Sophomore or Junior Medical Student Fellowship https://pathology.duke.edu/education/medical-school-education/pathology-post-sophomore-fellowship	Duke University	Durham, NC	02/01/2019
Post-Sophomore Fellowship (1 Year) http://med.stanford.edu/pathology/education/post-sophomore-fellowship.html	Stanford University	Stanford, CA	02/15/2019
William B. Hawkins Post-Sophomore Fellowship https://www.urmc.rochester.edu/pathology-labs/education/medical-students.aspx	University of Rochester	Rochester, NY	03/01/2019
Post-Sophomore Fellowship: The Role of Pathology in Contemporary Patient Care and Biomedical Research (1 Year) https://www.brighamandwomens.org/pathology/pathology-for-medical-professionals-and-students	Harvard Medical School	Boston, MA	03/01/2019
Post-Sophomore Fellowship (1 year) http://medicine.utah.edu/pathology/fellowships/psf/	University of Utah	Salt Lake City, UT	03/01/2019
Post-Sophomore Fellowship (1 Year) https://www.brighamandwomens.org/pathology/pathology-for-medical-professionals-and-students	Brigham and Women's Hospital	Boston, MA	03/05/2019
Post-Sophomore/Junior Fellowship (1 Year) http://pathology.ucla.edu/post-sophomore-fellowship	University of California, Los Angeles	Los Angeles, CA	03/31/2019
Post-Sophomore Fellowship (1 Year) https://pathology.unm.edu/fellowships/post-sophomore-student-pathology-fellowship.html	University of New Mexico	Albuquerque, NM	03/31/2019
Pathology Medical Student Fellowship Program (1 Year)	Oregon Health & Science University	Portland, OR	06/10/2019
Post-Sophomore Fellowship (1 Year)	University of Kentucky	Lexington, KY	12/31/2019
Post-Sophomore Fellowship (1 Year) http://einstein.yu.edu/departments/pathology/post-sophomore-year-fellowship.aspx	Albert Einstein	Bronx, NY	Varies



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OBSERVERSHIPS, ELECTIVES, AND ROTATIONS

MEDICAL STUDENT ELECTIVE IN ANATOMIC PATHOLOGY (4 weeks)

University of California, San Francisco, Pathology, San Francisco, CA
<http://labmed.ucsf.edu/education/other/electives-path-mlpathology.html>

Overview: This elective is designed for students seriously considering a career in diagnostic pathology. This elective provides hands-on experience in the practice of pathology at an academic medical center. Students will understand how pathology interfaces with other disciplines to contribute to patient care. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Fourth-year standing and completion of core clerkships recommended. **Recognition:** elective experience **Paid?** No **Tuition/Fees?** No **Contact:** Torrick Taylor, Course Coordinator: torrick.taylor@ucsf.edu

Application Deadline: 12/31/2018

PATHOLOGY ELECTIVE CERTIFICATE PROGRAM (One month)

St. Georges University School of Medicine
Pathology, St. Georges, Grenada, West Indies

Overview: Four weeks of participation in pathology lectures and small group teaching to medical students in the second year. Available between Mar-June and Sept-Nov each year. Observing the clinical laboratory tests for clinical hematology, clinical chemistry from daily samples from patients. Performing some of the tests under supervision. Write up on at least twenty lab investigations performed by the student- including how, why and so what for the patient care. Performing partial autopsy on a cadaver based on the availability at the time in the department of anatomy. Performing phlebotomies in the clinical pathology laboratory. Generating USMLE type test items based on the lab investigations observed/ performed by the student. Evaluation of the activities performed as an exit interview at the end of four weeks. The enrolment is on an ongoing basis and is available from Mar to June and Sept to Nov each year. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Medical students in the third or fourth year **Recognition:** Certificate **Paid?** No **Tuition/Fees?** No **Contact:** Debbie Croney, Department of Pathology, Administrative Assistant: dcroney@sgu.edu | 1-473-444-1464

Application Deadline: 02/01/2019

PATHOLOGY ELECTIVES FOR MEDICAL STUDENTS (2-8 weeks)

University of California, Davis School of Medicine
Pathology and Laboratory Medicine, Sacramento, CA
https://www.ucdmc.ucdavis.edu/pathology/education/medical_school_course/courses.html **Overview:** Electives are available for 4th year medical students in the following areas: • Anatomic and Clinical Pathology Acting Internship: Concentrated experience in surgical pathology and cytopathology with rotation on sub-specialty teams and responsibility for patient cases. Student will gross and sign out specific cases as assigned, and will participate in rapid diagnostic services such as frozen section and fine needle aspiration. Selected study sets and tutorials will be incorporated. The student will present a 20-minute case presentation or scholarly article pertinent to diagnostic pathology at the conclusion. • Anatomic Pathology: Designed to provide an experience in anatomic pathology and application to clinical practice. Student will participate in autopsy, specimen grossing, frozen sections, microscopic sign-out and conferences. Cytology and hemepath experiences will be provided, if desired. • Applied Clinical Laboratory Medicine: Emphasis upon laboratory techniques, procedures, and interpretation of laboratory results. Students will be expected to participate fully and in all laboratory operations, including bench techniques, laboratory management, and quality control. • Advanced Neuropathology: an integrated introduction to mechanisms of the central and peripheral nervous system injury. Students will gain an understanding of pathological

mechanisms underlying disease, anatomic and molecular manifestations of pathologic processes of the CNS and PNS. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Recommendation from home medical school and documentation of successful completion of year 3. **Recognition:** Potential course credit and visitor's home medical school **Paid?** No **Tuition/Fees?** No **Contact:** hs-pathprograms@ucdavis.edu **Application Deadline:** 04/01/2019

PATHOLOGY ELECTIVE, PATHOLOGY SELECTIVE

(2 week selective or 4 week elective)

University of Oklahoma, Health Sciences Center
Pathology, Oklahoma City, OK

<https://www.oumedicine.com/department-of-pathology>

Overview: Pathology Selective: This selective is designed to provide third year medical students with basic knowledge related to the appropriate use of pathology services and the utility of laboratory information. It also serves as an introduction to the practice of pathology. Pathology Elective: A special studies course is designed to provide an in-depth study of a specific subject in a particular area or discipline for which there is no existing approved course. The purpose of this elective is to allow the student to spend a period of time in full-time study working directly with a faculty member to further enhance the student's clinical and/or research skills. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Go to our website for details. **Recognition:** Go to website for details. **Paid?** No **Tuition/Fees?** Yes Go to website for details **Contact:** Rose Herrera, : rose-herrera@ouhsc.edu 405-271-2693. **Application Deadline:** 06/30/2019

ELECTIVE ROTATIONS IN

ANATOMIC OR CLINICAL PATHOLOGY (2-4 weeks)

University of Rochester Medical Center

Dept. of Pathology & Laboratory Medicine, Rochester, NY

<https://www.urmc.rochester.edu/education/md/visiting-students.aspx>

Overview: Medical students may participate in 2 or 4-week elective rotations in Anatomic or Clinical Pathology, spending time in our busy academic subspecialty practice. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Please refer to website. **Recognition:** Documentation of completion **Paid?** No **Tuition/Fees?** No **Contact:** Jennifer Findeis-Hosey, MD, Director, Pathology Curriculum for Undergraduate Education: jennifer_findeis-hosey@urmc.rochester.edu | (585)275-1662. **Application Deadline:** 08/01/2019

FOURTH YEAR MEDICAL STUDENT ROTATIONS (4 week rotations)

Ohio State University Medical Center

Department of Pathology, Columbus, OH

Overview: The Department of Pathology at The Ohio State University offers three rotations for visiting fourth year medical students to complete: Surgical Pathology, Hematopathology, and Autopsy. Applications for these rotations are accepted via VSAS and reviewed by the College of Medicine and department. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Fourth year medical student in good standing. 1 student per rotation. **Recognition:** Degree **Paid?** No **Tuition/Fees?** No **Contact:** Courtney Saby, Pathology Education Manager: courtney.saby@osumc.edu | 614.293.3055.

Application Deadline: Applications are ongoing and accepted throughout the academic year dependent on availability.

This compilation of opportunities in pathology for students is based on voluntary submissions from departmental members of the Association of Pathology Chairs (APC) and is not a comprehensive list. There are many other resources on the Internet for programs and experiences available, such as listings at the AAMC and NIH.



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MEDICAL STUDENT ELECTIVES IN AP OR CP (1 month)

Columbia University Vagelos College of Physicians & Surgeons
Pathology and Cell Biology, New York City, NY
<https://www.pathology.columbia.edu/education/medical-and-dental-student-teaching>

Overview: One month rotations in anatomic pathology, neuropathology, or clinical pathology. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** If for credit from your medical school, visit: <https://www.ps.columbia.edu/education/academic-programs/md-program/visiting-student-program>. **Recognition:** recommendation letter if desired and agreed upon with faculty **Paid?** No **Tuition/Fees?** No **Contact:** Shaquana Goodson, Residency Coordinator: sg3616@cumc.columbia.edu | 212.305.5697

Application Deadline: Variable

ELECTIVE ROTATION IN PATHOLOGY FOR TRAINEES UNDERREPRESENTED IN MEDICINE (One month)

Johns Hopkins University School of Medicine
Department of Pathology, Baltimore, MD
<http://pathology.jhu.edu/departments/training/prospectives.cfm>

Overview: Elective rotation for students underrepresented in medicine which provides a broad introduction to anatomic and clinical pathology in an academic setting, tailored to individual interests. Students work closely with faculty and residents, and attend daily conferences and didactics. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** A CV and a letter of interest are required at the time of application. Preference is given to 3rd and 4th year medical students in good academic standing. Medical students between 1st and 2nd year may also be considered. **Recognition:** Academic credit, if eligible and the required JHU SOM application materials are submitted in advance. **Paid?** No The program covers travel and local housing expenses for the duration of the rotation. **Tuition/Fees?** No **Contact:** Karen Fisher, Administrative Coordinator: kfisher3@jhmi.edu | 410-955-5632.

Application Deadline: Applications are accepted on a rolling basis, however, students are encouraged to apply at least 2-3 months in advance.

VISITING MEDICAL STUDENT CLERKSHIP PROGRAM (four weeks)

Mayo Clinic
Laboratory Medicine and Pathology, Rochester, MN
<https://www.mayo.edu/mayo-clinic-school-of-graduate-medical-education/visiting-medical-student-clerkships>

Overview: Electives are offered in Anatomic Pathology, Clinical Pathology, Neuropathology, and Transfusion Medicine. Please see the following for a description of each: <https://www.mayo.edu/mayo-clinic-school-of-graduate-medical-education/visiting-medical-student-clerkships/elective-descriptions>. The visiting medical student clerkship provides an opportunity for medical students, generally in their last year of clinical training, to rotate in departments/specialties of interest. Each year we host 3-5 visiting medical students in Pathology. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Candidates for the Visiting Medical Student Clerkship Program at Mayo Clinic must: •Have passed the United States Medical Licensing Examination (USMLE) Step 1, Comprehensive Osteopathic Medical Licensing Examination (COMLEX) Level 1 or National Board Dental Examination (NBDE); international applicants must have passed USMLE Step 1 •Be in the final year of medical school at the time of the clerkship •Be in good academic standing at their medical school •Have received the required immunizations **Recognition:** None. **Paid?** No; Diversity scholarship is available to help cover expenses. **Tuition/Fees?** Yes International students have a \$350.00 application fee.

US students have no application fee. **Contact:** Clerkship Coordinator: 507-284-3236 | 507-284-3236

Application Deadline: Application deadline varies according to date of desired rotation (October 1, January 1, April 1, July 1). Visit: <https://www.mayo.edu/mayo-clinic-school-of-graduate-medical-education/visiting-medical-student-clerkships/application-process>

ELECTIVE ROTATION (1 month rotations in AP and/or CP)

McGovern Medical School

Department of Pathology and Laboratory Medicine, Houston, TX
<https://med.uth.edu/admissions/student-affairs/>

Overview: The CP rotation will include a one week rotation through each of the main individual services of CP to include Microbiology, Chemistry/Immunology, Blood Bank, and Hematopathology. AP rotations are divided by subspecialties with medical students rotating through the various subspecialties and opportunities to participate in autopsies. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** 3rd or 4th year medical students. **Recognition:** credit for rotation **Paid?** No **Tuition/Fees?** No **Contact:** Dr. H. Tint: Hlaing.Tint@uth.tmc.edu

Application Deadline: Applications need to be submitted at least 30 days before expected start date if US graduates or 4 months if IMGs. There is no application deadline.

MEDICAL STUDENT SHADOWING EXPERIENCE (1-3 days)

University of Virginia

Department of Pathology, Charlottesville, VA
<https://med.virginia.edu/pathology/>

Overview: The Anatomic & Clinical Pathology Residency program is pleased to offer a one- to three-day shadowing scholarship to interested medical students whose unique backgrounds, skills, or goals will bring their experiences and interests to UVA's Pathology Department. Creating and cultivating a housestaff reflective of our community is vital to our program, as it provides optimal patient care and a collaborative culture within our health system. This scholarship is intended to offset travel and hotel costs and is open on a rolling basis, but is not available during interview season (October - February). This program is open to applicants who are first generation medical school attendees, socioeconomically disadvantaged students, and individuals who have overcome substantial educational or economic obstacles. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** This program is open to applicants who are first generation medical school attendees, socioeconomically disadvantaged students, and individuals who have overcome substantial educational or economic obstacles. **Recognition:** Pathology experience **Paid?** No Travel and hotel costs paid by department **Tuition/Fees?** No **Contact:** Kristen Atkins, M.D., Residency Program Director: kaa2p@virginia.edu | 434-924-498. **Application Deadline:** Rolling



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SUMMER INTERNSHIPS AND FELLOWSHIPS

GUIDO MAJNO SUMMER FELLOWSHIP IN PATHOLOGY (Summer)

University of Massachusetts Medical School
Department of Pathology, Worcester, MA
Internal Applicants Only.

Overview: Educational, clinical, and research experience and exposure to the field and practice of pathology for medical students during summer between 1st and 2nd year. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Good academic standing on first year courses. **Recognition:** N/A **Paid?** Yes **Tuition/Fees?** No **Contact:** Caitrin Reynolds, Program Administrator: caitrin.reynolds@umassmed.edu | 508-793-6156 **Application Deadline:** 01/31/2019

ANGEVINE FELLOWSHIP (Summer)

University of Wisconsin Hospital and Clinics
Pathology and Laboratory Medicine, Madison, WI
<https://www.pathology.wisc.edu/education/fellowships/angevine>

Overview: The University of Wisconsin Department of Pathology offers a ten-week internship for up to four students following their first year of medical school. This is designed to provide exposure to modern pathology practice while furthering medical education. Participants will rotate through eight services during the summer. A daily educational didactic series tailored to medical students is also offered. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Satisfactory completion of first year of medical school **Recognition:** Angevine Fellowship Competition Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** Erin Brooks, Director of Angevine Fellowship: egbrooks@wisc.edu | 608-265-0884.

Application Deadline: 02/01/2019

SUMMER INTERNSHIP IN PATHOLOGY (Summer)

University of Minnesota
Laboratory Medicine and Pathology, Minneapolis, MN

Overview: Up to 4 positions will be offered with a flexible rotation schedule in Pathology including an all research rotation. This is for 8 weeks **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Satisfactory completion of first year medical school **Recognition:** Certificate **Paid?** Yes \$5,000 for the summer **Tuition/Fees?** No **Contact:** John Crosson, Professor Lab med & Pathology: cross008@umn.edu | 612-626-7801 **Application Deadline:** 02/15/2019

SUMMER RESEARCH FELLOWSHIP (Summer)

Mayo Clinic, Rochester, MN

Overview: Summer research fellowship generally completed between first and second years of medical school. Open to applicants who are members of groups considered underrepresented by Mayo Clinic College of Medicine and Science. **Pathology:** Pathology as one component of a more integrated and broader experience **Criteria:** Completed one year of medical school **Recognition:** Summer research project **Paid?** Yes **Tuition/Fees?** No **Contact:** Dennis Mays, PhD, Program Manager-Diversity Grants: mays.dennis@mayo.edu

Application Deadline: 03/01/2019

KLIONSKY SUMMER RESEARCH FELLOWSHIP IN PATHOLOGY (Summer)

University of Pittsburgh Medical Center
Department of Pathology, Pittsburgh, PA.
<http://path.upmc.edu/KlionskyFellowship.pdf>

Overview: UPMC Klionsky Summer Research Fellowship in Pathology for MS1 students - earn a stipend (if eligible) while performing research in disease mechanisms and learning about pathology as a career through fun activities! **Pathology:** Only a Pathology/Lab Medicine experience. Summer Research and Clinical Experience in Pathology after MS1 year. **Paid?** Yes \$3600, if eligible and funds available. **Tuition/Fees?** No. **Basic Criteria:** MS1 Student from U.S. Medical School in good standing. **Additional Info:** Up to 6 applicants accepted per year, depending on availability of funds. **Contact:** Wendy Mars, PhD, Director: wmars@pitt.edu | (412) 648-9690

Application Deadline: 03/31/2019

POST-SOPHOMORE FELLOWSHIPS

POST-SOPHOMORE FELLOWSHIP (1 Year)

University of Minnesota
Dept. of Laboratory Medicine and Pathology, Minneapolis, MN.
<https://www.pathology.umn.edu/learning-opportunities/post-sophomore-year-pathology-fellowship-medical-students>

Overview: The PSF rotates in surgical pathology, hematopathology, transfusion medicine, and autopsy pathology, and can choose from a variety of subspecialty electives. The PSF is encouraged to pursue a research project with a department faculty member, and to present the findings at a national meeting. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Satisfactory completion of 2 years in a medical school and completion of step 1 **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** John Crosson, Director, Post-Sophomore Fellowship: cross008@umn.edu | 612-626-7801.

Application Deadline: 12/01/2018

POST-SOPHOMORE FELLOWSHIP (10-12 months)

Dartmouth-Hitchcock Medical Center
Department of Pathology and Laboratory Medicine, Lebanon, NH
http://med.dartmouth-hitchcock.org/pathology/student_fellowships.html

Overview: A 10-12 month clinical and surgical pathology fellowship with research opportunity. **Pathology:** Only a Pathology/Lab Medicine experience. **Paid?** Yes. **Tuition/Fees?** No. **Recognition:** Certificate. **Basic Criteria:** Current medical student in good standing, with support of the medical school. **Website:** **Contact:** Bing Ren, MD, PhD: Bing.Ren@hitchcock.org

Application Deadline: 12/10/2018

POST-SOPHOMORE FELLOWSHIP (1 Year)

University of Virginia
Pathology, Charlottesville, VA
<https://med.virginia.edu/pathology/educational-programs/medical-student-programs/>

Overview: This one-year-long fellowship offered by the Department of Pathology provides medical students the opportunity to increase their knowledge of Pathology and to understand the role of diagnostic Pathology in patient care. Working closely with the Pathology faculty and housestaff, the fellow will rotate through the diagnostic Pathology clinical services, with particular emphasis on Surgical Pathology and Autopsy Pathology. During these rotations, the fellow will receive



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POST-SOPHOMORE FELLOWSHIPS

training and responsibilities similar to those of a first-year resident. In addition, part of the fellowship may be spent in a research project, under faculty guidance, in disease etiology or diagnosis. Upon completion of this program, the student fellows will have greatly expanded their knowledge of Pathology and gained an understanding of the fundamental role that Pathology serves in patient care. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Must have completed at least 1 year of medical school training **Recognition:** Letter **Paid?** Yes **Tuition/Fees?** No **Contact:** Kim Knotts, Coordinator: kdk2g@virginia.edu | 1.434.924.9498

Application Deadline: 12/31/2018

POST-SOPHOMORE FELLOWSHIP IN PATHOLOGY (1 Year)

West Virginia University

Pathology, Anatomy and Laboratory Medicine, Morgantown, WV **Overview:** The Department of Pathology at West Virginia University School of Medicine offers two post-sophomore fellowships each year. Fellows spend portions of their time in surgical pathology, autopsy pathology, clinical pathology, translational pathology and assist with medical student teaching. Research opportunities are available through individual arrangements with faculty members. Starting date will be July 1 unless other arrangements are made with the program director. The annual stipend is \$24,000. A book allowance, health insurance, uniforms, and uniform laundry are also provided. **Pathology:** Pathology/Lab Medicine Experience with Research **Criteria:** Students must have completed their second year of medical school to be eligible for the program. **Recognition:** Certificate **Paid?** Yes **Tuition/fees?** No **Contact:** Dr. James Coad, Director: jcoad@hsc.wvu.edu | 304.293.0287

Application Deadline: 12/31/2018

POST-SOPHOMORE FELLOWSHIP (1 Year)

University of Missouri, Pathology, Columbia, MO

Overview: The Post-Sophomore Fellowship is a year long experience in the Department of Pathology at the University of Missouri Medical Center. PSF's spend the year rotating through a number of services within the pathology department including surgical pathology, autopsy, the blood bank, clinical microbiology, hematology/hematopathology, clinical chemistry, cytopathology, etc. learning from and participating in the day to day work on each service. The PSF is given responsibility similar to that of a first year resident in pathology with oversight provided by senior residents and attending pathologists. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Must submit CV/Resume, Personal Statement (reason for wanting to join the program) and Copy of Transcripts to the program director or program coordinator. **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** Shannon Wetzels-Eierman, Pathology Residency Coordinator: wetzels@missouri.edu | 573-882-3014.

Application Deadline: 12/31/2018

POST-SOPHOMORE FELLOWSHIP IN PATHOLOGY (1 Year)

University of Kansas School of Medicine, Kansas City, KS

[http://www.kumc.edu/school-of-medicine/pathology/undergraduate-medical-education-programs/post-sophomore-fellowship-\(psf\).html](http://www.kumc.edu/school-of-medicine/pathology/undergraduate-medical-education-programs/post-sophomore-fellowship-(psf).html)

Overview: Students desiring a very special opportunity to gain clinical and research experience in pathology should consider applying for the Post-Sophomore Fellowship (PSF) open each academic year in the department. One to two students will be selected and will be expected to perform rotations and duties similar to first-year residents in pathology. This will provide the student a unique avenue to expand his or her current knowledge base through hands-on experience in a

hospital setting. Students work closely with attending faculty and resident pathologists in gross and microscopic diagnoses, intraoperative consultations (frozen sections) and clinical pathology consultations. Students will also prepare case material for presentation at departmental and subspecialty conferences. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Medical students who have completed the first two years of medical school are eligible to apply. Please include a current curriculum vitae, two (2) letters of support, sealed medical transcript, standard passport-sized photograph and letter of personal statement with the application **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** Zoe Baldwin, Assistant Director of Education: zbaldwin@kumc.edu

Application Deadline: 01/31/2019

POST-SOPHOMORE STUDENT FELLOWSHIP IN PATHOLOGY (1 Year)

University of Pennsylvania Medical Center

Pathology and Laboratory Medicine Philadelphia, PA

<http://pathology.med.upenn.edu/education/fellowships/programs/student-fellowship>

Overview: The Special Study Experience in Anatomic Pathology or Laboratory Medicine (Clinical Pathology) provides students an opportunity to expand their knowledge of either or both in a working fellowship that includes research and independent study. The structure of the fellowship year is somewhat flexible to permit the student to tailor the program to his or her interests. Students in this program take a year out from medical school (usually between third and fourth years) and spend it in the Department, functioning like a PGY1 Resident. This program has been run by the Department since 1983 and has been a transformative year for many physicians, regardless of their future subspecialty. Student Fellows have gone on to attend top residencies at prestigious institutions, have gone into every possible specialty, and have gone on to be leaders, including a Chair of Pathology. Applicants must have satisfactorily completed the basic Medicine and Surgery clinical rotations. The student fellow will earn \$27,000, which may be taken as a monthly stipend during the fellowship year or may be issued at the end of the year as a fellowship award to be applied towards the following year's medical school tuition. In addition, the program covers student fees and health insurance, and provides for travel to a national meeting if the student will be presenting his or her research. In the Anatomic Pathology Special Study Experience, the student fellow spends at least three months on the Autopsy service and three months on the Surgical Pathology service. Responsibilities are similar to those of a PGY1 resident. Additionally, three months of the fellowship are devoted to the investigation of a problem in disease etiology and diagnosis under staff guidance. The Special Study Experience in Laboratory Medicine is spent in one to three of the major laboratories (Chemistry, Coagulation, Hematology, Transfusion Medicine, Immunology, Microbiology, or Molecular Pathology). Usually, student fellows rotate through two of these service areas and then spend six months in intensive research and study in a third area. Each student fellow meets with the Advisory Committee to arrange a program that is most consistent with his or her specialized interests and goals. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Application, CV, US Medical School Transcript and three letters of recommendation are required, as is successful completion of the general Medicine and Surgery clinical rotations. Applications are accepted year round but are preferred before January 1st for an anticipated start date in June or July of the same year. **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No If non-Penn medical student, medical malpractice must be covered by student's medical school **Contact:** Cindy McGrath, MD, Director: cindy.mcgrath@uphs.upenn.edu | 215-662-3209

Application Deadline: 01/01/2019



OPPORTUNITIES IN PATHOLOGY

For High School, College, Post-Baccalaureate and Medical Students

Compiled by the Association of Pathology Chairs (APC) – October 2018

www.apcprods.org/opportunities

FOR MEDICAL STUDENTS

POST-SOPHOMORE FELLOWSHIPS

POST-SOPHOMORE OR JUNIOR MEDICAL STUDENT FELLOWSHIP

Duke University, Department of Pathology, Durham, NC
<https://pathology.duke.edu/education/medical-school-education/pathology-post-sophomore-fellowship>

Overview: Post sophomore or junior medical student. **Pathology:** Pathology/Lab Medicine experience only. **Paid?** Yes Graduate student Year 1 salary and benefits. **Tuition/Fees?** No. **Recognition:** Certificate. **Basic Criteria:** Post sophomore or junior medical student. **Contact:** Ms. Debra Andersen, Admin Coordinator: debra.andersen@duke.edu | (919) 684-2070. **Application Deadline:** 02/01/2019

POST-SOPHOMORE YEAR FELLOWSHIP IN PATHOLOGY (1 Year)

Stanford University, Pathology, Stanford, CA
<http://med.stanford.edu/pathology/education/post-sophomore-fellowship.html>

Overview: A mentored experience with exposure to surgical and autopsy pathology, elective and research. **Pathology:** Pathology as one component of a more integrated and broader experience. **Criteria:** Must be enrolled in a U.S. medical school. Must have completed pre-clinical education. May have taken clerkships. **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** Megan Troxell, MD PhD and John Higgins, MD, Co-Directors: megant@stanford.edu and john.higgins@stanford.edu | 650-723-1410 and 650-724-4340. **Application Deadline:** 02/15/2019

WILLIAM B. HAWKINS POST-SOPHOMORE FELLOWSHIP

University of Rochester
Department of Pathology and Laboratory Medicine, Rochester, NY
<https://www.urmc.rochester.edu/pathology-labs/education/medical-students.aspx>

Overview: Year out experience in pathology. **Pathology:** Only a Pathology/Lab Medicine experience. **Paid?** Yes. **Tuition/Fees?** No. **Basic Criteria:** Application. **Application Deadline:** 03/01/2019

POST-SOPHOMORE FELLOWSHIP: THE ROLE OF PATHOLOGY IN CONTEMPORARY PATIENT CARE AND BIOMEDICAL RESEARCH (1 Year)

Brigham and Women's Hospital/Harvard Medical School
Pathology, Boston, MA
<https://www.brighamandwomens.org/pathology/pathology-for-medical-professionals-and-students>

Overview: In order to develop a robust understanding of disease mechanisms, the tools and consequences of pathologic diagnosis, and how pathologists collaborate with caregivers, Student Fellows will be exposed to the entire spectrum of anatomic pathology and clinical laboratory services, including advanced molecular diagnostics. Student Fellows will assume similar training and responsibilities as Residents in Pathology, including frozen sections and autopsies, body fluid analysis, management of transfusion donors and recipients, clinical laboratory management, and participation in teaching and service conferences. Student Fellows will rotate as a team through core general services, and will also experience several of the sub-specialty services with an opportunity to focus on areas of particular interest. A typical program will involve 7 months of Anatomic Pathology, and 2 months of Clinical Pathology (Laboratory Medicine), including a rotation in Molecular Diagnostics. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Two (2) post-sophomore or post-principal clinical experience (e.g., post-junior) medical students annually, from July 1 through June 30. Students both with and without a long-term career interest in Pathology are likely to find this Fellowship valuable. **Recognition:** Letter of achievement **Paid?** Yes **Tuition/Fees?** No **Contact:** Dr. Richard Mitchell, Director: rmitchell@partners.org | 617.525.4303

Application Deadline: 03/01/2019

POST-SOPHOMORE FELLOWSHIP IN PATHOLOGY (1 year)

University of Utah School of Medicine
Department of Pathology, Salt Lake City, UT
<http://medicine.utah.edu/pathology/fellowships/psf/>

Overview: This fellowship is designed to consolidate the student's understanding of basic mechanisms of disease, enhance their knowledge of normal and pathologic anatomy, and develop an awareness of the relationship a clinical laboratory has with effective patient. **Pathology:** Only a Pathology/Lab Medicine experience. **Paid?** Yes. **Tuition/Fees?** No. **Recognition:** Certificate. **Basic Criteria:** Students must have successfully completed the first two years of medical school and be in good standing in the School of Medicine to be eligible for the Program. **Contact:** Kajsa Affolter, MD, Fellowship Director: kajsa.affolter@hsc.utah.edu or ashleigh.mckensie@path.utah.edu | (801) 587-4563. **Application Deadline:** 03/01/2019

POST-SOPHOMORE FELLOWSHIP IN PATHOLOGY (1 Year)

Brigham and Women's Hospital, Pathology, Boston, MA
<https://www.brighamandwomens.org/pathology/pathology-for-medical-professionals-and-students>

Overview: In order to develop a robust understanding of disease mechanisms, the tools and consequences of pathologic diagnosis, and how pathologists collaborate with caregivers, Student Fellows will be exposed to the entire spectrum of anatomic pathology and clinical laboratory services, including advanced molecular diagnostics. Student Fellows will be exposed to similar training as Residents in Pathology, including surgical pathology specimens, frozen sections, autopsies, body fluid analysis, management of transfusion donors and recipients, clinical laboratory management, and participation in teaching and multi-disciplinary conferences. Student Fellows will rotate through core general services, and will also experience several of the sub-specialty services with an opportunity to focus on areas of particular interest. A typical program will involve 6 months of Anatomic Pathology, and 3 months of Clinical Pathology (Laboratory Medicine), including a rotation in Molecular Diagnostics. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** The Post-Sophomore Fellowship is open to qualified medical students who have completed at least two years in an accredited U.S. institution; it is preferred (but not required) that students have completed a core clinical year by the time they begin the Fellowship. Applicants should have a strong interest in academic medicine, and an excellent fund of clinical knowledge. Applications will be accepted from now-March 5, 2019 for the Fellowship year to begin July 1, 2019. **Recognition:** Letter of achievement **Paid?** Yes **Stipend:** \$27,000 annually **Tuition/Fees?** No **Contact:** Dr. Richard Mitchell, Director: rmitchell@partners.org | 617-525-4303 **Application Deadline:** 03/05/2019

Society of '67

Scholars Award for Pathology
Residents and Medical Students

The Society of '67 Scholars Travel Award provides an opportunity for medical students and pathology residents to familiarize themselves with career opportunities in Pathology and the critical role of Pathology in healthcare delivery, research, and education through access to national leaders in academic Pathology attending the **APC 2019 Annual Meeting** in Boston, MA, July 21st-24th. Includes meeting registration, lodging, and limited travel reimbursement.

To APPLY: www.apcprods.org/m-s67-scholars
Travel Award Applications open in January 2019!



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FOR MEDICAL STUDENTS

POST-SOPHOMORE FELLOWSHIPS

POST-SOPHOMORE/JUNIOR FELLOWSHIP (1 Year)

University of California, Los Angeles, David Geffen School of Medicine
Pathology and Laboratory Medicine, Los Angeles, CA

<http://pathology.ucla.edu/post-sophomore-fellowship>

Overview: The Department of Pathology and Laboratory Medicine offers a one-year post-sophomore/junior fellowship in pathology. After an orientation period, fellows are given patient care responsibilities similar to first-year residents with appropriate supervision. Fellows rotate on various anatomic and clinical pathology services including surgical pathology, transfusion medicine, hematopathology, clinical chemistry, and autopsy, among others, at the UCLA Medical Center. Depending on interest and feasibility, opportunities exist for clinical/translational research and clinical electives. **Pathology:** Pathology/Lab Medicine

experience only **Criteria:** Applicants must be currently enrolled in an accredited U.S. or Canadian medical school and have completed at least two years prior to the fellowship. The following documents must be submitted via the UC Recruit portal for Fellowship consideration: Curriculum vitae, Personal statement, Two letters of recommendation USMLE Step 1 **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No

Contact: Peggy Sullivan MD, Program Director: psullivan@mednet.ucla.edu or Annetta Pierro, Coordinator: apierro@mednet.ucla.edu | (310) 825-5719 | Apply at: <https://recruit.apo.ucla.edu/apply/JPF03946>

Application Deadline: 03/31/2019

POST-SOPHOMORE FELLOWSHIP (1 Year)

University of New Mexico

Pathology, Albuquerque, NM

<https://pathology.unm.edu/fellowships/post-sophomore-student-pathology-fellowship.html>

Overview: The Post-Sophomore Student Pathology Fellowship provides the medical student who has completed the first two years of medical school with an intensive practical educational experience in diagnostic pathology and laboratory medicine. The Fellow performs the work of a laboratory physician under the supervision and guidance of Pathology faculty. The training is designed to develop a thorough understanding of disease processes, medical diagnostics, and the relationship of laboratory research to patient care. The training is designed to benefit and enrich the Fellows preparation for practice of any medical specialty. **Pathology:** Pathology as one component of a more integrated and broader experience **Criteria:** Interested students are encouraged to apply to the Department of Pathology during their sophomore year of medical school. Applications are made through the Director of the Residency Program of the Department of Pathology, who also coordinates the Fellows rotations. The Department usually selects one to three Fellows per calendar year. The Fellow receives a stipend to defray expenses during the Fellowship year. **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** 505.925.0516, Christina Garcia Tenorio: cgtenorio@salud.unm.edu | 505.272.3481

Application Deadline: 03/31/2019

PATHOLOGY MEDICAL STUDENT FELLOWSHIP PROGRAM (1 Year)

Oregon Health & Science University

Pathology, Portland, OR

<https://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/pathology/education/medical-students/index.cfm>

Overview: The Pathology Student Fellowship (Pathology Student Experience) is a 1-year program that is normally open only to OHSU students. Pathology student fellows are fully integrated into the daily case work of the Pathology Department, working alongside residents,

and working closely with faculty, often in a one-on-one setting. Student fellows rotate through the autopsy and surgical pathology services at OHSU and the Portland VA hospital, and will have opportunities for research experience and electives. On the autopsy service, the student fellow participates in prosection and generation of a complete autopsy report, including clinicopathologic correlation. Interesting autopsy cases are presented at a weekly autopsy conference. On the surgical pathology service, fellows engage in intraoperative consultations, gross examination of surgical pathology specimens, and preview and review cases with faculty. Student fellows manage their cases independently with faculty guidance. Protected time to attend pathology didactics and Departmental Grand Rounds is ensured. Opportunities to participate in medical student teaching are available. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Medical students with at least 18 months of study completed in good standing. **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** Anya Coleman, Education Coordinator: colemaan@ohsu.edu | 503-494-2318.

Application Deadline: 06/10/2019

POST-SOPHOMORE PATHOLOGY FELLOWSHIP (1 Year)

University of Kentucky, College of Medicine

Department of Pathology and Laboratory Medicine, Lexington, KY

Overview: The post sophomore fellowship is a one year immersive experience in the clinical practice of anatomic pathology primarily. Four months of elective time are available which can be used to explore broader aspects of pathology. After an appropriate training period, the fellow is expected to function similarly to an early PGY1 with appropriate oversight. There is an educational stipend to defray living expenses during the fellowship. Past fellows have pursued a number of different clinical specialties with a significantly better than average success rate. **Pathology:** Pathology/Lab Medicine experience only **Criteria:** Completion of two years study in an accredited medical school. **Recognition:** Certificate **Paid?** Yes **Tuition/Fees?** No **Contact:** Daveshia Taylor, Education coordinator: daveshia.taylor@uky.edu | 859-323-6183.

Application Deadline: 12/31/2019

POST-SOPHOMORE FELLOWSHIP (1 Year)

Albert Einstein College of Medicine and Montefiore Medical Center, Pathology, Bronx, NY

<http://einstein.yu.edu/departments/pathology/post-sophomore-year-fellowship.aspx>

Overview: This one-year fellowship consists of intensive exposure to the fields of anatomic and clinical pathology with opportunities for research or training in selected subspecialties of pathology. Fellows will spend a minimum of eight months in the "hands-on" practice of pathology, including rotations in autopsy pathology, surgical pathology, and rotations in clinical pathology including microbiology, hematology, blood banking or chemistry. The remaining four months will be spent in either basic research or in a subspecialty area of pathology. Fellows will attend all the teaching conferences of the Department of Pathology. **Pathology:** Pathology as one component of a more integrated and broader experience **Criteria:** Open to qualified medical students who have completed at least two years in an accredited U.S. medical school. **Recognition:** Certificate **Paid?** Yes \$18,000/ year **Tuition/Fees?** No **Contact:** Jacqueline Vazquez, Residency Administrator: jacvazqu@montefiore.org | 718-920-6573.

Application Deadline: Variable