

# LT KAYLI A. ROTH

## EDUCATION

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- Resident Physician** July 1, 2022-June 30, 2026  
Anatomic and Clinical Pathology Residency Program  
National Capital Consortium, Walter Reed National Military Medical Center  
Bethesda, MD
- Intern** July 1, 2021-June 30, 2022  
Transitional Year Internship Program  
National Capital Consortium, Walter Reed National Military Medical Center  
Bethesda, MD
- D.O.** Lake Erie College of Osteopathic Medicine (LECOM) 2017-2021  
GPA: 3.84  
Class Rank: 32/184, Top 17%  
Erie, PA
- B.S.** Slippery Rock University of Pennsylvania (SRU) 2014-2018  
B.S. in Biology, Honors Program graduate, LECOM 3+4 Program  
GPA: 4.00, Summa Cum Laude  
Slippery Rock, PA
- HS** Patch American High School 2010-2014  
Honors High School Diploma  
GPA: 4.218  
Stuttgart, Germany

## EMPLOYMENT

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- US Navy, Medical Corps** 2017-Present
- SRU Tutorial Center, Tutor** Fall 2016
- Provided tutoring for 9 clients in General and Organic Chemistry

## ACADEMIC PERFORMANCE

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- Resident In-Service Examination Spring 2023**
- 99<sup>th</sup> percentile of PGY-1 residents nation-wide
  - Score: 513 (average PGY-3 nation-wide score = 502)
- Resident In-Service Examination Spring 2024**
- 95<sup>th</sup> percentile of PGY-2 residents nation-wide
  - Score: 540 (average PGY-4 nation-wide score = 536)

## HONORS AND AWARDS

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- Certificate of Appreciation from the Uniformed Services University of the Health Sciences (USUHS) Department of Pathology** Jan 01, 2024
- For outstanding teaching and mentoring of USUHS medical students during their pathology rotations at WRNMMC
- Humanitarian Service Medal** Dec 22, 2022
- For qualifying evacuee operations and activities while assigned to Navy Medicine Readiness and Training command, Bethesda.
- Armed Forces Service Medal** Dec 1, 2021
- For qualifying coronavirus disease 2019 operations and activities while assigned to Navy Medicine Readiness and Training Command, Bethesda.
- Health Professions Scholarship Program (HPSP), US Navy** 2017-2021
- Competitive full-ride academic scholarship awarded in exchange for military service
- William Sigmund Pennsylvania Junior Academy of Science Scholarship** 2017
- Competitive academic and service-based scholarship
  - SRU Department of Biology
- Junior Class Presidential Scholars Award** 2016
- Competitive academic scholarship
  - SRU Department of Biology
- Christopher F. Cuff Scholarship** 2016
- Competitive academic scholarship
  - SRU Department of Biology
- Coen Family Foundation Scholarship** 2016
- Competitive academic scholarship
  - SRU College of Health, Environment, and Science
- Lynne Ernes Women in Science Scholarship** 2016
- Competitive academic and leadership-based scholarship
  - SRU College of Health, Environment, and Science
- Leucojum Award in Botany** 2016
- Competitive academic scholarship
  - SRU Department of Biology
- Blue Key National Honor Society** 2015-2017
- Vice President of SRU Chapter

<b>Sophomore Biology Honors Scholarship</b>	2015
<ul style="list-style-type: none"> <li>▪ Competitive academic scholarship</li> <li>▪ SRU Department of Biology</li> </ul>	
<b>Biology Honors Scholarship</b>	2015
<ul style="list-style-type: none"> <li>▪ Competitive academic scholarship</li> <li>▪ SRU Department of Biology</li> </ul>	
<b>Beta Beta Beta National Biological Honor Society</b>	2014-2017
<ul style="list-style-type: none"> <li>▪ Full Member of SRU Chapter</li> </ul>	
<b>SRU Merit Scholarship</b>	2014-2017
<ul style="list-style-type: none"> <li>▪ Competitive academic scholarship</li> </ul>	
<b>Honors Scholarship</b>	2014-2017
<ul style="list-style-type: none"> <li>▪ Competitive academic scholarship</li> <li>▪ SRU Honors Program</li> </ul>	
<b>Thomas H. John Scholarship</b>	2014-2017
<ul style="list-style-type: none"> <li>▪ Competitive academic scholarship</li> <li>▪ SRU Department of Biology</li> </ul>	

#### **LEADERSHIP AND MEMBERSHIPS**

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<b>College of American Pathologists (CAP)</b>	2022-Present
<b><i>Curriculum Committee Junior Member</i></b>	2024-Present
<ul style="list-style-type: none"> <li>▪ Appointed as the sole resident member of the national committee among a competitive pool of applicants</li> <li>▪ Attended national-level meetings to set the nation-wide CAP pathology curriculum agenda for 2024</li> <li>▪ Established multiple national-level curriculum agendas and managed course faculty appointments as a member of the Full-Day Course subcommittee and Scientific Plenary subcommittee</li> <li>▪ Evaluated multiple course proposals to aid in selecting courses for presentation at the CAP annual meeting</li> </ul>	
<b><i>Residents Forum</i></b>	2024-Present
<ul style="list-style-type: none"> <li>▪ Served as the WRNMMC resident delegate to the CAP, attending national meetings to promote the interests of the residency program and build a professional network on a national level.</li> </ul>	
<b>American Society of Cytopathology</b>	2024-Present
<b><i>Resident Member</i></b>	

- WRNMMC Housestaff Council** 2023-Present
- Served as one of two pathology department representatives on the resident council to bring about positive changes for residency programs on a command and hospital-wide level
- WRNMMC Blood Utilization Committee** 2021-Present
- Served as a committee member responsible for assisting in the review and analysis of blood product usage at WRNMMC, leading to hospital-wide patient care benefits
- WRNMMC Pathology Residency Program Evaluation Committee** May 17, 2024
- Selected by the program director to serve as the program's resident delegate on the annual Program Evaluation Committee
- Pathology Rotator Coordinator** 2023-2024
- Mentored and evaluated over 35 rotating prospective medical students, medical students, and interns to further their pathology education and professional development
- American Society of Dermatopathology** 2022-Present
- American Osteopathic Association** 2021-Present
- WRNMMC Transitional Year Social and Wellness Committee** 2021-2022
- Facilitated team-building and camaraderie by coordinating social gatherings, wellness activities, and morale boosting events for the Transitional Year Intern Class
- LECOM Military Medicine Club** 2017-2019  
*Secretary*
- Led and participated in community outreach activities involving local JROTC students and Erie BayHawks basketball team; mentored first year Naval Officers and provided assistance in their acclimation to medical school and understanding of the expectations of HPSP; led and participated in group physical training activities; supported a school-wide culture of patriotism and respect for military tradition and sacrifice
- Student Osteopathic Medical Association** 2017-2019
- Served as a Mentor for multiple incoming first year medical students to assist with their adjustment to medical school culture, curriculum, and community
- Student Osteopathic Surgical Association** 2017-2019
- Participated in forums to provide a hands-on learning experience and review of the anatomy of multiple cadavers

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| <b>Student American Academy of Osteopathy</b>   | 2017-2019 |
| <ul style="list-style-type: none"> <li>▪ Attended bimonthly forums for hands-on teaching and review of Osteopathic Manipulative Medicine techniques</li> </ul>  |           |
| <b>Radiology Club</b>   | 2017-2019 |
| <ul style="list-style-type: none"> <li>▪ Participated in forums to supplement and enrich radiology curriculum</li> </ul>  |           |
| <b>Wilderness Medicine Club</b>   | 2017-2019 |
| <ul style="list-style-type: none"> <li>▪ Promoted fitness, outdoorsmanship, and camaraderie through organization and participation in group hikes at local parks; attended meetings to enhance knowledge of the provision of medical care in resource-limited outdoor settings</li> </ul> |           |

## **PUBLICATIONS AND RESEARCH**

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(Pending Presentation) **Roth, K. A.**, Kleydman, A., Paulk, A., Pavio, M. A., Garren, B., Mezhiritsky, V., Louka, K., Canevari, M. M. (2024, October 19-22). Hemangioblastoma-like Renal Cell Carcinoma: A Case Report and Discussion [Poster Presentation, primary presenter]. Accepted for presentation at The College of American Pathologists' 2024 Annual Meeting, Las Vegas, NV, USA.

(Pending Publication) Murali, T., Bolick, N., **Roth, K.**, Royer, M., Canevari, M., Reyes, M., Phillips, C. Metastatic Prostatic Adenocarcinoma Diagnosed by Cutaneous Manifestation. Accepted for publication in *Cutis*. (Estimated time until case report publication ~1 year).

**Roth, K. A.**, Keung, E. S., Rush, W. (2024, March 6-7). Low-Grade Adnexal Carcinoma Harboring MAML2 Gene Rearrangement Presenting on the Scalp [Poster Presentation, primary presenter]. 27<sup>th</sup> Joint Meeting of the International Society of Dermatopathology, San Diego, CA, USA.

Munoz, M. C., **Roth, K. A.**, Keung, E. S., Allbritton, J. (2024, March 6-7). Rare Case of Spongiotic Dermatitis with Melanoma in Situ [Poster Presentation]. 27<sup>th</sup> Joint Meeting of the International Society of Dermatopathology, San Diego, CA, USA.

### Ongoing Projects:

- Neurothekeoma Molecular Classification project
- Urine Cytology AI Machine Learning Protocol project
- Machine Learning Protocol- Breast Cancer arm

## **TEACHING**

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Aplastic Anemia Pathology lecture. WRNMMC Department of Pediatrics. March 9, 2023.  
 Introduction to Prostate and Bladder Pathology lecture. WRNMMC Department of Pathology. August 11, 2023.

Cytology Interesting Case Conference lecture. WRNMMC Department of Pathology. November 30, 2023.

Cytology Interesting Case Conference lecture. WRNMMC Department of Pathology. March 22, 2023.

Introduction to Call lecture. WRNMMC Department of Pathology. June 13, 2024.

Diversity, Equity, and Inclusion lecture. WRNMMC Department of Pathology. June 14, 2024.

Introduction to Prostate, Bladder, Testis, and Renal Pathology lecture. WRNMMC Department of Pathology. July 12, 2024.

## **QUALITY/PROCESS IMPROVEMENT**

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### **Tissue Processor Validation** 2024-Present

- Assisted staff pathologist with validation of new tissue processor protocols to improve case turnaround time and histology slide quality

### **Testicular Cancer Care Review** 2024

- Worked with the WRNMMC Cancer Committee to conduct their annual cancer care review, ensuring that the standard of care is being met for testicular cancer patients treated within our institution
- Reviewed pathology reports and medical records of all patients diagnosed with and treated for testicular cancer at WRNMMC in 2023 to ensure concordance

### **Colon Cancer Care Review** 2023

- Worked with the WRNMMC Cancer Committee to conduct their annual cancer care review, ensuring that the standard of care is being met for colon cancer patients treated within our institution
- Reviewed pathology reports and medical records of all patients diagnosed with and treated for colon cancer at WRNMMC in 2021-2022 to assess if they met inclusion criteria and to compile data about specimen type, cancer staging, and molecular studies performed

### **“TECHWARP” Histology Section Improvement Project** 2023

- Assisted in the review and editing of Standard Operating Procedures documents related to processes, equipment utilization, equipment maintenance, and competency assessment of personnel within the histology section of the WRNMMC Anatomic Pathology Department
- Ensured that documents and policies align with CAP accreditation standards and manufacturer-recommended safety and best practice guidelines

- Cassette Printer Malfunction QI Project** 2023
- Collected data regarding cassette printer malfunctions and impact on laboratory workflow, investigated possible technical sources of issues, and assisted in uncovering a lack of maintenance plan for the machines, which contributed to their poor functionality
  - Resulted in the purchase of new equipment to address the disrepair of the older machines

#### **CERTIFICATIONS AND TRAININGS**

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- CITI Program: OUSD P&R Human Research, Biomedical Investigators and Research Study Team Basic Course** Oct 2022-Oct 2025
- ATLS** Oct 2021-Oct 2025
- BLS** Feb 2023-Feb 2025
- Battlefield Acupuncture Certification** 2021-Present
- Military Tropical Medicine Didactic Course** July 06-28, 2023

#### **COMMUNITY SERVICE**

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- LECOM Military Medicine Club** 2017-2019
- Erie BayHawks Salute Our Troops Games
    - Participated in community outreach and discussed military career opportunities with local JROTC students
  - Navy HPSP Student Mentor
    - Served as a Mentor to first-year medical student Naval Officers, acted as a point of contact for Navy HPSP or medical school-related concerns, and encouraged camaraderie
- Student Osteopathic Medical Association** Fall 2018
- Served as a SOMA Mentor to assist incoming students with their transition into medical school and the Erie, PA community
- Blue Mountain Nursing and Rehabilitation Center** Oct 2016
- Assisted with transport of patients to and facilitation of community activities and crafts; assisted staff with beautification projects and seasonal decoration of the Center
- SRU Office for Students with Disabilities** 2014-2017
- Volunteered 250+ hours as a notetaker for students with disabilities

## **HOBBIES**

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Playing piano

Traveling

Trying new restaurants/cuisines

Embroidery

Drawing

Painting

Spending time with family, friends, and pets