

University of California, San Francisco
CURRICULUM VITAE

Name: Cynthia Ann Gasper

Position: HS Assistant Clinical Professor, Step 3
Pathology
School of Medicine

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EDUCATION

2000 - 2003	University of California Los Angeles	B.S.	Neuroscience and Psychology	Magna cum laude
2003 - 2009	University of California, San Francisco School of Medicine	M.D.		
2006 - 2007	University of California San Francisco Department of Pathology	Post Sophomore Fellow	Anatomic Pathology	
2007 - 2008	Howard Hughes Medical Institute Research Scholars Program	Fellow		
2009 - 2011	University of California, San Francisco Department of Pathology	Resident	Anatomic Pathology	
2011 - 2012	University of California, San Francisco Department of Pathology	Fellow	Surgical Pathology	
2012 - 2013	Brigham and Women's Hospital Department of Pathology	Fellow (Director: Christopher Crum)	Women's and Perinatal Pathology	

LICENSES, CERTIFICATION

2010 Medical licensure, California, A114754

2013 Board Certification, Anatomic Pathology, American Board of Pathology

2017 Medical licensure, Nevada, 17162

PRINCIPAL POSITIONS HELD

2020-present	University of California, San Francisco	Assistant Professor
2020-present	San Francisco General Hospital	Staff Pathologist
2013 - 2020	Diagnostic Pathology Medical Group inc.	Staff Pathologist

OTHER POSITIONS HELD CONCURRENTLY

2015 - 2020	Diagnostic Pathology Medical Group inc.	Director of the Immunohistochemistry Laboratory
2019 - 2020	Touro University California, College of Osteopathic Medicine	Adjunct Assistant Professor

HONORS AND AWARDS

2001	Minority Medical Education Program	Robert Wood Johnson Foundation
2003	Phi Beta Kappa	University of California, Los Angeles
2003	Magna Cum Laude	University of California, Los Angeles
2003	Regents Scholarship	University of California, San Francisco
2007	Community Service Award	Latino Medical Student Association
2008	HHMI Research Fellow	Howard Hughes Medical Institute
2008	Academy of Achievement	Student Delegate
2012	Nominee, UCSF Department of Pathology Resident Teaching Award (selected by residents)	Department of Pathology

KEYWORDS/AREAS OF INTEREST

Surgical pathology, gynecologic pathology, human papilloma virus, placental pathology

CLINICAL ACTIVITIES

CLINICAL ACTIVITIES SUMMARY

I have completed general residency training in anatomic pathology and fellowships in general surgical pathology as well as women's and perinatal pathology. I am board-certified in anatomic pathology. I am certified to sign out gynecologic cytology specimens using the sure path and thin prep systems.

Following residency and fellowship training I worked (100% time) is as a full partner surgical pathologist at diagnostic pathology medical group (DPMG). My duties included signing out general in house surgical pathology cases from the Sutter and Dignity health hospitals that our

group covers including Sutter Solano hospital, Sutter Sacramento hospital, Sutter Roseville hospital, Sutter Auburn hospital, Sutter Amador hospital, Sutter Davis hospital, Mercy General Sacramento hospital and Methodist Sacramento hospital. In addition, I review intraoperative frozen section specimens and cytology specimens at Sutter Solano hospital. I reviewed and sign out biopsies and gynecologic cytology specimens from out-patient surgical centers and doctor's offices. Additionally, I reviewed and sign-out molecular pathology specimens.

In my role as the director of the immunohistochemistry (IHC) laboratory at DPMG I ensured that method validation studies for all IHC stains were completed, I ensured that proficiency testing was performed, I maintained quality control (QC) and quality management (QM) programs and I conducted monthly QC/QM reviews of IHC stains.

Currently, I work as a surgical pathologist at the San Francisco General Hospital.

CLINICAL SERVICES

2020- present		Daily
2013 - 2020	Diagnostic Pathology Medical Group, group practice, staff pathologist	Daily
2013 - 2016	Mercy Hospital Sacramento Medical Center, staff pathologist	Daily
2015 – 2020	Diagnostic Pathology Medical Group, director of the immunohistochemistry laboratory	Two days a week
2016 – 2020	Sutter Solano Medical Center, staff pathologist	Daily
2016 – 2020	Sutter Solano Medical Center, tumor board committee, member	One day a week
2016 - 2020	Sutter Solano Medical Center, cancer committee, member	Six times a year
2016 - 2020	Sutter Solano Medical Center, infection control committee, member	Six times a year
2016 – 2020	Sutter Solano Medical Center, multi-specialty peer review (QC/QM) committee, member	Six times a year
2016 – 2020	National Accreditation Program for Breast Centers (NAPBC), member	Four times a year
2020	Diagnostic Pathology Medical Group inc, executive committee, member	Two days a week

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

2000 - 2003	Chicanos Latinos for Community Medicine (CCM)
2003 - present	Phi Beta Kappa
2003 - 2009	Latino Medical Student Association (LMSA)
2004 - present	National Hispanic Medical Association (NHMA)

2012 - present The International Society of Gynecologic Pathologists (ISGyp)

2012 - present American Society of Clinical Pathology (ASCP)

2013 - present College of American Pathologists (CAP)

SERVICE TO PROFESSIONAL ORGANIZATIONS

2004 - 2006 National Hispanic Medical Association (NHMA) Publication Chair

INVITED PRESENTATIONS - NATIONAL

2008 United States and Canadian Academy of Pathology Annual Meeting, CA Poster

2010 United States and Canadian Academy of Pathology Annual Meeting, MD Poster

2012 United States and Canadian Academy of Pathology Annual Meeting, Vancouver CAN Poster

2013 United States and Canadian Academy of Pathology Annual Meeting, CA Poster

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES

2010 Mechanisms of disease conference series, UCSF Department of Pathology and Laboratory Medicine

2010 United States and Canadian Academy of Pathology Annual Meeting, Baltimore, MD

2011 Mechanisms of disease conference series, UCSF Department of Pathology and Laboratory Medicine

2012 United States and Canadian Academy of Pathology Annual Meeting, Vancouver, CAN

2012 Mechanisms of disease conference series, UCSF Department of Pathology and Laboratory Medicine

2013 United State and Canadian Academy of Pathology Annual Meeting, San Diego, CA

2013 College of America Pathologists, Performance Improvement Program in Surgical Pathology

2014 United States and Canadian Academy of Pathology Annual Meeting, Boston, MA

2014 College of America Pathologists, Performance Improvement Program in Surgical Pathology

2014 UC Davis, Pathology and Laboratory Medicine Symposium, Focus on Gynecologic Pathology

2015	College of America Pathologists, Performance Improvement Program in Surgical Pathology
2016	College of America Pathologists, Performance Improvement Program in Surgical Pathology
2017	On line CME in Bioethics
2017	College of America Pathologists, Performance Improvement Program in Surgical Pathology
2018	Scientific Symposium International, Pathology Conference, Big Island, HI
2018	College of America Pathologists, Performance Improvement Program in Surgical Pathology
2018	Sutter Safe Care Error Prevention Tools Training, Vellejo, CA
2018	Online CME through the United States and Canadian Academy of Pathology
2018	Online CME through the College of American Pathologists
2019	Online CME through the University of Nevada, Reno, School of Medicine
2019	Pathology Education Partners Pathology Conference, Maui, HI
2019	College of America Pathologists, Performance Improvement Program in Surgical Pathology
2019	Online CME through the University of Utah School of Medicine
2019	BD SurePath Morphology Essentials
2019	ThinPrep Pap Test Training Program

UNIVERSITY AND PUBLIC SERVICE

SERVICE ACTIVITIES SUMMARY

My service has focused on working with underrepresented undergraduate students, medical students and residents with a focus on an interest in a career in medicine and pathology.

UCSF CAMPUSWIDE

2009 - 2011	Resident and Fellow's Council Committee	Representative
2010 - 2011	Surgical Case and Hospital Mortality Review Committee (SCHMRC)	Representative
2010 - 2012	Underrepresented in Medicine (UIM) Student Mentorship Program	Mentor
2011 - 2012	Graduate Medical Education Committee (GMEC)	Resident representative

SCHOOL OF MEDICINE

2004 - 2005	Homeless Health Clinic	Volunteer
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2004 - 2008	School of Medicine Admission Committee	Member
2004 - 2005	Dia De Los Muertos Pre Medical Conference	Coordinator/Member

SERVICE AT OTHER UNIVERSITIES

2001 - 2003	Collegiate Medical Volunteer USC/County Hospital Los Angeles	University of Southern California
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CONTRIBUTIONS TO DIVERSITY

CONTRIBUTIONS TO DIVERSITY

I value the importance of diversity in medicine and embrace it in all forms. As an undergraduate I was a member of Chicanos and Latinos for Community Medicine and mentored high-school students interested in higher education. As a medical student member of the Latino Medical Student Association I mentored post-baccalaureate and undergraduate students from under-represented minority groups who were interested in medical school. As a resident I was a mentor in the underrepresented in medicine (UIM) student mentorship program at UCSF. I recognize the importance of engaging students early in their training to ensure they are aware of all possible medical careers.

TEACHING AND MENTORING

TEACHING SUMMARY

My formal interest in teaching started while I was a UCSF medical student participating in a one year post-sophomore fellowship in the Department of Pathology at UCSF. During my fellowship I taught medical students in the pathology laboratory elective and helped revise the UCSF pathology laboratory manual. I continued to teach medical students and residents throughout my UCSF anatomic pathology residency and surgical pathology fellowship. As a fellow at Brigham and Women’s Hospital I taught residents and rotating medical students focusing on gynecologic pathology and perinatal pathology.

My interest in teaching continued after I finished training and while in a private pathology group practice by volunteering my time teaching osteopathic medical students from Touro University through a pathology rotation at Sutter Solano Hospital. Currently as an assistant professor, I have daily teaching responsibilities with pathology residents during sign-out of pathology cases, performing intra operative frozen sections and during cytology procedures.

I find it extremely rewarding to interact with and teach talented residents and medical students throughout my medical career.

FORMAL TEACHING

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2006 - 2007	Endocrine Pathology	Laboratory instructor	Medicine	20-30 medical students

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2006 - 2007	Renal Pathology	Laboratory instructor	Medicine	20-30 medical students
	2007 - 2008	Interdepartmental Studies 101 (Epilogue block: Major Organ Systems)	2 lecturers	Medicine	150 medical students
	2009 - 2010	Pulmonary Pathology	Laboratory instructor	Medicine	20-30 medical students
	2010 - 2011	Renal Pathology	Laboratory instructor	Medicine	20-30 medical students
	2011 - 2012	Endocrine Pathology	Laboratory instructor	Medicine	20-30 medical students
	2020-present	UCSF Pathology Residency Teaching session on placenta	1 lecture per month	Medicine	
	2020-present	UCSF Pathology Residency Teaching session on IHC lab	1 lecture per month	Medicine	

INFORMAL TEACHING

- 2010 - 2013 Multiple opportunities during residency and fellowship, including daily review of pathology slides with residents and medical students before sign out of clinical cases.
- 2016 - 2020 Teaching and mentoring in pathology to osteopathic medical students from Touro University.
- 2020 - present Pathology sign-out, frozen section and cytology procedure education of pathology residents and medical students. 30 hours per week.

MENTORING SUMMARY

I have mentored medical students and residents whom have an interest in surgical pathology and a subspecialty interest in gynecologic pathology. Our discussions include general career mentoring.

PREDOCTORAL STUDENTS SUPERVISED OR MENTORED

Dates	Name	Program or School	Mentor Type	Role	Current Position
2020 - present	Adam Lyle	Touro University California, osteopathic medicine	Co-Mentor/Clinical Mentor	Pathology career advice	Medical student
2016 - 2016	Jocelyn Lee	Touro University California, osteopathic medicine	Co-Mentor/Clinical Mentor	Pathology education	Internal medicine physician

RESEARCH AND CREATIVE ACTIVITIES**RESEARCH AND CREATIVE ACTIVITIES SUMMARY**

My interest in research began as an undergraduate student at the University of California, Los Angeles working in the laboratory of Dr. Dennis Salmon under the guidance of Dr. Juliana Oh investigating the mechanism of H37 gene inactivation in primary lung cancers. In medical school at the University of California, San Francisco I had the opportunity to work with Dr. Thea Tlsty as a Howard Hughes Medical Scholar investigating the early stromal interactions in breast cancer. This experience gave me a new appreciation for the collaborative efforts of clinicians and basic science researchers and strengthened my interest in cancer biology.

My interest in gynecologic pathology began in residency while working with Dr. Charles Zaloudek at UCSF Department of Pathology. We investigated the pathologic features of mesonephric lesions of the uterine cervix. Our goal was to identify an immunohistochemical marker that would distinguish benign mesonephric hyperplasia from mesonephric adenocarcinoma and other subtypes of adenocarcinoma. During my women's and perinatal pathology fellowship at Brigham and Women's Hospital, my knowledge of the challenges in diagnosing and treating gynecologic diseases expanded and contributed to my research interests. Under the guidance of Dr. Christopher Crum we investigated vaginal intraepithelial lesions and vaginal squamous cell carcinomas. Additionally, my exposure to advanced placental pathology during my perinatal fellowship increased my interest in placental disorders.

My research goals have evolved from a general interest in cancer biology to a specialized interest in gynecologic pathology. As a practicing pathologist, I have come to realize the observational power that clinical pathology has in formulating research ideas. I am looking forward to collaborating with interdepartmental clinicians and basic science researchers in advancing the field of gynecologic and perinatal disorders.

PEER REVIEWED PUBLICATIONS

1. Oh JJ, Fishbein MC, Boctor B, **Jimenez CA**, Lopez R, Slamon DJ. Evaluation of H37, a candidate 3p21.3 tumor suppressor gene, as a therapeutic and diagnostic marker in lung cancer. *Chest*. 2004.May;125(5 Suppl):102S-3S. PMID: 15136438

2. Oh JJ, Boctor B, **Jimenez C**, Lopez R, Razfar A, Slamon DJ. Use of low-melting-point primers for bisulfite genomic sequencing: analysis of the H37 lung cancer tumor suppressor gene promoter. *Analytical Biochemistry*. 2005 Aug;343(2):347-9. PMID: 15992761
3. Oh JJ, Boctor B, **Jimenez CA**, Lopez R, Koeqel AK, Taschereau EO, Phan DT, Jacobsen SE, Slamon DJ. Promoter methylation study of the H37/RBM5 tumor suppressor gene from the 3p21.3 human lung cancer tumor suppressor locus. *Human Genetics*. 2008. Feb;123(1):55-64. PMID: 18038152
4. Kerlikowske K, Molinaro AM, Gauthier ML, Berman HK, Waldman F, Bennington J, Sanchez H, **Jimenez C**, Stewart K, Chew K, Ljung BM, Tlsty TD. Biomarker expression and risk of subsequent tumors after initial ductal carcinoma in situ diagnosis. *J Natl Cancer Inst*. 2010. July 7:102(13):993. PMID: 20427430
5. **Jimenez C**, Powers M, Para PA, Glastonbury CM, Hagenkord JM, Tihan T. Sarcoma arising as a distinct nodule within glioblastoma: A morphologic and molecular perspective on gliosarcoma. *Journal of Neuro-Oncology*. 2011 Nov;105(2):317-23. PMID: 21533839
6. Gasper WJ, **Jimenez CA**, Conte MS, Seward K, Owens CD. Adventitial nab-rapamycin injection reduces porcine femoral artery luminal stenosis induced by balloon angioplasty via inhibition of medial proliferation and adventitial inflammation. *Circ Cardiovas Interv*. 2013 Dec;6(6):701-9. PMID: 24221390
7. Shoni M, Nagymanyoki Z, Vitonis AF, **Jimenez C**, Ng SW, Quade BJ, Berkowitz RS. p-21 Activated kinase-1, -4 and -6 and estrogen receptor expression pattern in normal placenta and gestational trophoblastic disease. *Gynecol Oncol*. 2013 Dec;131(3):759-63. PMID: 24051221
8. Crum CP, Herfs M, Ning G, Bijron JG, Howitt BE, **Jimenez CA**, Hanamornroongruang S, McKeon FD, Xian W. Through the glass darkly: intraepithelial neoplasia, top-down differentiation, and the road to ovarian cancer. *J Pathol*. 2013 Dec;231(4):402-12. PMID: 24030860
9. Herfs M, Parra-Herran C, Howitt BE, Laury AR, Nucci MR, Feldman S, **Jimenez CA**, McKeon FD, Xian W, Crum CP. Cervical squamocolumnar junction-specific markers define distinct, clinically relevant subsets of low-grade squamous intraepithelial lesions. *Am J Surg Pathol*. 2013 Sep;37(9):1311-8. PMID: 24076771
10. Esselen KM, Ng S, Hua Y, White M, **Jimenez CA**, Welch WR, Drapkin R, Berkowitz RS, Ng SW. Endosalpingiosis as it relates to tubal, ovarian and serous neoplastic tissue: an immunohistochemical study of tubal and Mullerian antigens. *Gynecol Oncol*. 2014 Feb;132(2):316-21. PMID: 24333360
11. Howitt BE, Emori MM, Drapkin R, **Gasper C**, Barletta JA, Nucci MR, McCluggage WG, Hirsch MS. GATA 3 is a sensitive and specific marker of benign and malignant mesonephric lesions in the lower female genital tract. *Am J Surg Pathol*. 2015 Oct;39(10):1411-9. PMID: 26135559

BOOKS AND CHAPTERS

1. **Jimenez C**. Metabolic bone diseases. In: Horvai A, ed. *High Yield Bone and Soft Tissue Pathology*. Elsevier Science Ltd, Philadelphia, PA 2012.
2. **Jimenez C**. Ewing's sarcoma and primitive neuroectodermal tumor. In: Horvai A, ed. *High Yield Bone and Soft Tissue Pathology*. Elsevier Science Ltd, Philadelphia, PA 2012.

SIGNIFICANT PUBLICATIONS

1. Esselen KM, Ng S, Hua Y, White M, **Jimenez CA**, Welch WR, Drapkin R, Berkowitz RS, Ng SW, Endosalpingiosis as it relates to tubal, ovarian and serous neoplastic tissue: an immunohistochemical study of tubal and Mullerian antigens. *Gynecol Oncol*. 2014 Feb;132(2):316-21. PMID: 24333360

After a retrospective review of pathology reports from prophylactic gynecologic surgeries at Brigham and Women's Hospital were performed I reviewed and confirmed the original diagnosis of endosalpingiosis in the fallopian tube, ovaries and in association with serous neoplasms. Additionally, I participated in the immunohistochemistry analysis comparing the staining pattern of endosalpingiosis with tubal and Mullerian antigens.

2. Herfs M, Parra-Herran C, Howitt BE, Laury AR, Nucci MR, Feldman S, **Jimenez CA**, McKeon FD, Xian W, Crum CP. Cervical squamocolumnar junction-specific markers define distinct, clinically relevant subsets of low-grade squamous intraepithelial lesions. *Am J Surg Pathol*. 2013 Sep;37(9):1311-8. PMID: 24076771

I facilitated the review of squamous intraepithelial lesion diagnosis with a panel of expert pathologists. I participated in the analysis of the scoring between pathologist's diagnosis of SIL and participated in the immunohistochemical analysis of squamo-columnar junctional cells.

3. Shoni M, Nagymanyoki Z, Vitonis AF, **Jimenez C**, Ng SW, Quade BJ, Berkowitz RS. p-21 Activated kinase-1, -4 and -6 and estrogen receptor expression pattern in normal placenta and gestational trophoblastic disease. *Gynecol Oncol*. 2013 Dec;131(3):759-63. PMID: 24051221

I participated in immunohistochemical (IHC) analysis, including scoring IHC stain intensity and localization of staining, from tissue of normal first-trimester placentas, partial moles, complete moles and choriocarcinomas for PAK-1, PAK-4, PAK-6 and estrogen receptor. These findings allowed us to discover that PAK-6 is upregulated in gestational trophoblastic disease compared to normal placental tissue.

4. Gasper WJ, **Jimenez CA**, Conte MS, Seward K, Owens CD. Adventitial nab-rapamycin injection reduces porcine femoral artery luminal stenosis induced by balloon angioplasty via inhibition of medial proliferation and adventitial inflammation. *Circ Cardiovas Interv*. 2013 Dec;6(6):701-9. PMID: 24221390

I performed a semiquantitative analysis of artery wall injury, inflammation, fibrin/thrombus, hemorrhage, and medial fibrosis on both hematoxylin and eosin and Masson trichrome stained sections. I evaluated MIB-1 (Ki-67) immunohistochemistry staining and calculated the proliferation index. I evaluated endothelial cell coverage using a 4-point semiquantitative scale of the extent and intensity of factor VIII immunohistochemistry staining. I counted the number of adventitial microvessels in each arterial section and the number of adventitial leukocytes per high-power field.

5. Howitt BE, Emori MM, Drapkin R, **Gasper C**, Barletta JA, Nucci MR, McCluggage WG, Hirsch MS. GATA 3 is a sensitive and specific marker of benign and malignant mesonephric lesions in the lower female genital tract. *Am J Surg Pathol.* 2015 Oct;39(10):1411-9. PMID: 26135559

I assisted in retrieving cases and participated in reviewing the original microscopic diagnosis of the cases and immunohistochemical analysis.

CONFERENCE ABSTRACTS

1. Jimenez C, Sanchez H. Mechanisms of disease lecture series in medical school curriculum. Western Group on Education Affairs Conference. 2007
2. Jimenez C, Tan V, Merriman R, Ferrell L. Variants of nonalcoholic fatty liver disease (NAFLD) and nonalcoholic steatohepatitis (NASH) with rapidly progressive course. United States and Canadian Academy of Pathology Annual Meeting. 2008
3. Jimenez C, Rabban JT. Omental icing: An unusual variant of peritoneal carcinomatosis due to metastatic gastric or breast cancer. United States and Canadian Academy of Pathology Annual Meeting. 2010
4. Jimenez C, Zaloudek C. Mesonephric adenocarcinoma of the uterus and cervix, a clinical pathologic study of 10 cases. United States and Canadian Academy of Pathology Annual Meeting. 2012
5. Jimenez C, Herfs M, Crum C. Vaginal squamous cell carcinoma and intraepithelial neoplasia do not express selected junctional markers expressed in cervical carcinoma. United States and Canadian Academy of Pathology Annual Meeting. 2013
6. Jimenez C, Crum C. Predictive value of squamo-columnar junction markers and p16ink4 in multi-observer classification of cervical precursor lesions. United States and Canadian Academy of Pathology Annual Meeting. 2013