Welcome to the General Catalog of the University of California, San Francisco (https://catalog.ucsf.edu/)
• Academic and Administrative Calendar (https://catalog.ucsf.edu/academic-administrative-calendar/)
• Academic Programs (https://catalog.ucsf.edu/programs/)
  • Advanced Training in Clinical Research (Certificate) (https://catalog.ucsf.edu/programs/atcr-certificate/)
  • Biochemistry and Molecular Biology (Tetrad) (PhD) (https://catalog.ucsf.edu/programs/biochem-molec-bio-tetrad/)
  • Bioengineering (PhD) (https://catalog.ucsf.edu/programs/bioengineering/)
  • Biological and Medical Informatics (PhD) (https://catalog.ucsf.edu/programs/biomedical-informatics/)
  • Biomedical Imaging (MS) (https://catalog.ucsf.edu/programs/biomedical-imaging/)
  • Biomedical Sciences (PhD) (https://catalog.ucsf.edu/programs/biomedical-sciences/)
  • Biophysics (PhD) (https://catalog.ucsf.edu/programs/biophysics/)
  • Cell Biology (Tetrad) (PhD) (https://catalog.ucsf.edu/programs/cell-bio-tetrad/)
  • Chemistry and Chemical Biology (PhD) (https://catalog.ucsf.edu/programs/chemistry-chemical-biology/)
  • Clinical and Epidemiologic Research (MAS) (https://catalog.ucsf.edu/programs/clinical-epidemiologic-researchmas/)
  • Dentistry Postgraduate Program - Certificate (https://catalog.ucsf.edu/programs/dentistry-post-graduate-certificate/)
  • Developmental and Stem Cell Biology (PhD) (https://catalog.ucsf.edu/programs/dscb/)
  • Doctor of Dental Surgery (DDS) (https://catalog.ucsf.edu/programs/doctor-dental-surgery/)
  • Doctor of Medicine (MD) (https://catalog.ucsf.edu/programs/medicine-md/)
  • Doctor of Pharmacy (PharmD) (https://catalog.ucsf.edu/programs/pharmd/)
  • Doctor of Physical Therapy (DPT) (https://catalog.ucsf.edu/programs/physical-therapy-dpt/)
  • Epidemiology and Translational Science (PhD) (https://catalog.ucsf.edu/programs/epidemiology-translational-science/)
  • Equity in Brain Health (Certificate) (https://catalog.ucsf.edu/programs/equity-in-brain-health-certificate/)
  • Genetic Counseling (MS) (https://catalog.ucsf.edu/programs/genetic-counseling-ms/)
  • Genetics (Tetrad) (PhD) (https://catalog.ucsf.edu/programs/genetics-tetrad/)
  • Global Health Sciences (MS) (https://catalog.ucsf.edu/programs/global-health-sciences/ms/)
  • Global Health Sciences (PhD) (https://catalog.ucsf.edu/programs/global-health-sciences/)
  • Health Data Science (Certificate) (https://catalog.ucsf.edu/programs/health-data-sci-certificate/)
• Health Data Science (MS) (https://catalog.ucsf.edu/programs/health-data-sci-ms/)
• Health Policy and Law (MS) (https://catalog.ucsf.edu/programs/health-policy-and-law-ms/)
• Healthcare Administration and Interprofessional Leadership (MS) (https://catalog.ucsf.edu/programs/healthcare-administration-interprofessional-leadership-ms/)
• History of Health Sciences (MA) (https://catalog.ucsf.edu/programs/history-health-sciences-ma/)
• History of Health Sciences (PhD) (https://catalog.ucsf.edu/programs/history-health-sciences/)
• International Dentist Pathway (DDS) (https://catalog.ucsf.edu/programs/international-dentist-pathway-dds/)
• Interprofessional Health Post-Baccalaureate Certificate Program in Dentistry (https://catalog.ucsf.edu/programs/interprofessional-health-postbac-dentistry/)
• Interprofessional Health Post-Baccalaureate Certificate Program in Medicine (https://catalog.ucsf.edu/programs/interprofessional-health-postbac-medicine/)
• Interprofessional Health Post-Baccalaureate Certificate Program in Pharmacy (https://catalog.ucsf.edu/programs/interprofessional-health-postbac-pharmacy/)
• Medical Anthropology (PhD) (https://catalog.ucsf.edu/programs/medical-anthropology/)
• Medical Scientist Training Program (https://catalog.ucsf.edu/programs/mstp/)
• Neuroscience (PhD) (https://catalog.ucsf.edu/programs/neuroscience/)
• Nursing (DNP) (https://catalog.ucsf.edu/programs/doctor-nursing-practice-dnp/)
• Nursing (MS) (https://catalog.ucsf.edu/programs/nursing-ms/)
• Nursing (PhD) (https://catalog.ucsf.edu/programs/phd-nursing/)
• Nursing Master's Entry Program (https://catalog.ucsf.edu/programs/nursing-mepn/)
• Nursing Post-Master's Certificate Program (https://catalog.ucsf.edu/programs/nursing-post-masters-certificate/)
• Nursing Post-Master's Certificate: UC Multi-Campus Psychiatric Mental Health Nurse Practitioner (https://catalog.ucsf.edu/programs/uc-multi-campus-pmhnp-certificate/)
• Oral and Craniofacial Sciences (MS) (https://catalog.ucsf.edu/programs/oral-craniofacial-sciences-ms/)
• Oral and Craniofacial Sciences (PhD) (https://catalog.ucsf.edu/programs/oral-craniofacial-sciences-graduate/)
• Oral and Craniofacial Sciences DDS/PhD Program (https://catalog.ucsf.edu/programs/oral-craniofacial-sciences-dds-phd/)
• Pharmaceutical Sciences and Pharmacogenomics (PhD) (https://catalog.ucsf.edu/programs/pharmaceutical-sciences-pharmacogenomics/)
• Postgraduate Program in Dental Public Health - Certificate (https://catalog.ucsf.edu/programs/postgraduate-program-dental-public-health-certificate/)
• Postgraduate Program in Oral Medicine - Certificate (https://catalog.ucsf.edu/programs/postgraduate-program-oral-medicine-certificate/)
• Postgraduate Program in Orthodontics - Certificate (https://catalog.ucsf.edu/programs/postgraduate-program-orthodontics-certificate/)
• Postgraduate Program in Pediatric Dentistry - Certificate (https://catalog.ucsf.edu/programs/pediatric-dentistry-certificate/)
• Postgraduate Program in Periodontology - Certificate (https://catalog.ucsf.edu/programs/postgraduate-program-periodontology-certificate/)
• Rehabilitation Science (PhD) (https://catalog.ucsf.edu/programs/rehabilitation-science-phd/)
• Sociology (PhD) (https://catalog.ucsf.edu/programs/sociology/)
• Translational Medicine (MTM) (https://catalog.ucsf.edu/programs/translational-medicine-mtm/)
• UCSF/UC Berkeley Joint Medical Program (https://catalog.ucsf.edu/programs/ucsf-ucb-jmp/)
• Accreditation (https://catalog.ucsf.edu/accreditation/)
• Archive (https://catalog.ucsf.edu/archive/)
• Catalog A-Z Index (https://catalog.ucsf.edu/azindex/)
• Catalog Contents (p. 1)
• Contact Information (https://catalog.ucsf.edu/contact-information/)
• Course Catalog (https://catalog.ucsf.edu/course-catalog/)
  • Anatomy (ANATOMY) (https://catalog.ucsf.edu/course-catalog/anatomy/)
  • Anesthesia and Perioperative Care (ANE PERIOP) (https://catalog.ucsf.edu/course-catalog/ane_periop/)
  • Anthropology (ANTHROPOLOGY) (https://catalog.ucsf.edu/course-catalog/anthropology/)
  • Biochemistry (BIOCHEM) (https://catalog.ucsf.edu/course-catalog/biochemistry/)
  • Bioengineering (BIOENGR) (https://catalog.ucsf.edu/course-catalog/bioengineering/)
  • Biomedical Imaging (BIOMED IMG) (https://catalog.ucsf.edu/course-catalog/biomedical-imaging/)
  • Biomedical Informatics (BIO MD INF) (https://catalog.ucsf.edu/course-catalog/bio-md-inf/)
  • Biomedical Sciences (BIOMED SCI) (https://catalog.ucsf.edu/course-catalog/biomedical-sciences/)
  • Biopharmaceutical Sciences (BIOPHRM SC) (https://catalog.ucsf.edu/course-catalog/biopharmaceutical-science/)
  • Biophysics (BIOPHYSICS) (https://catalog.ucsf.edu/course-catalog/biophysics/)
  • Biostatistics (BIOSTAT) (https://catalog.ucsf.edu/course-catalog/biostatistics/)
  • Cell Biology (CELL BIOL) (https://catalog.ucsf.edu/course-catalog/cell-biology/)
  • Chemistry (CHEMISTRY) (https://catalog.ucsf.edu/course-catalog/chemistry/)
  • Clinical Pharmacy (CL PHARM) (https://catalog.ucsf.edu/course-catalog/clinical-pharmacy/)
  • Craniofacial Anomalies (CRAN ANOM) (https://catalog.ucsf.edu/course-catalog/cran_vs_i)
  • Data Science (DATASCI) (https://catalog.ucsf.edu/course-catalog/data-science/)
  • Dental Public Health (DEN PUB HL) (https://catalog.ucsf.edu/course-catalog/dental-public-health/)
  • Dental Sciences (DENTAL SCI) (https://catalog.ucsf.edu/course-catalog/dental-science/)
  • Dermatology (DERMATOL) (https://catalog.ucsf.edu/course-catalog/dermatology/)
  • Developmental and Stem Cell Biology (DEV STMCEL) (https://catalog.ucsf.edu/course-catalog/developmental-science/)
  • Emergency Medicine (EMERG MED) (https://catalog.ucsf.edu/course-catalog/emergency-medicine/)
  • Endocrinology (ENDOCRINOL) (https://catalog.ucsf.edu/course-catalog/endocrinology/)
  • Epidemiology (EPIDEMIOL) (https://catalog.ucsf.edu/course-catalog/epidemiology/)
  • Equity in Brain Health (EQBRAIHLTH) (https://catalog.ucsf.edu/course-catalog/equality-brain-health/)
  • Family and Community Medicine (FAM CM MED) (https://catalog.ucsf.edu/course-catalog/family-community-medicine/)
  • Genetic Counseling (GENCOUNSEL) (https://catalog.ucsf.edu/course-catalog/genetic-counseling/)
  • Genetics (GENETICS) (https://catalog.ucsf.edu/course-catalog/genetics/)
  • Global Health Sciences (GLOBL HLTH) (https://catalog.ucsf.edu/course-catalog/global-health-sciences/)
  • Graduate Studies (GRAD) (https://catalog.ucsf.edu/course-catalog/graduate-studies/)
  • Healthcare Administration (HLTH ADMIN) (https://catalog.ucsf.edu/course-catalog/healthcare-administration/)
  • History of Health Sciences (HIST HL SC) (https://catalog.ucsf.edu/course-catalog/history-of-health-sciences/)
  • Implementation Science (IMPLMT SCI) (https://catalog.ucsf.edu/course-catalog/implementation-science/)
  • Interdepartmental Studies (INTERDEPT) (https://catalog.ucsf.edu/course-catalog/interdepartmental-studies/)
  • Laboratory Medicine (LAB MED) (https://catalog.ucsf.edu/course-catalog/laboratory-medicine/)
  • Medicine (MEDICINE) (https://catalog.ucsf.edu/course-catalog/medicine/)
  • Microbiology (MICROBIOL) (https://catalog.ucsf.edu/course-catalog/microbiology/)
  • Neurological Surgery (NEURO SURG) (https://catalog.ucsf.edu/course-catalog/neurological-surgery/)
  • Neurology (NEUROLOGY) (https://catalog.ucsf.edu/course-catalog/neurology/)
  • Neurosciences (NEUROSCI) (https://catalog.ucsf.edu/course-catalog/neurosciences/)
  • Nursing (NURSING) (https://catalog.ucsf.edu/course-catalog/nursing/)
  • Nursing Skills Lab (SKILLS LAB) (https://catalog.ucsf.edu/course-catalog/nursing-skills-lab/)
  • Nutrition (NUTRITION) (https://catalog.ucsf.edu/course-catalog/nutrition/)
  • Obstetrics, Gynecology, and Reproductive Science (OB GYN R S) (https://catalog.ucsf.edu/course-catalog/ob-gyn-rs/)
• Oral Medicine (ORAL MED) (https://catalog.ucsf.edu/course-catalog/oral_med/)
• Oral Radiology (ORAL RAD) (https://catalog.ucsf.edu/course-catalog/oral_rad/)
• Orthodontics (ORTHODONT) (https://catalog.ucsf.edu/course-catalog/orthodont)
• Orthopaedic Surgery (ORTHO SURG) (https://catalog.ucsf.edu/course-catalog/ortho_surg/)
• Otolaryngology (OTOLARYN) (https://catalog.ucsf.edu/course-catalog/otolaryn/)
• Pathology (PATHOLOGY) (https://catalog.ucsf.edu/course-catalog/pathology/)
• Patient-Centered Care (PT CN CARE) (https://catalog.ucsf.edu/course-catalog/pt_cn_care/)
• Pediatric Dentistry (PED DENT) (https://catalog.ucsf.edu/course-catalog/ped_dent/)
• Pediatrics (PEDIATRICS) (https://catalog.ucsf.edu/course-catalog/pediatrics/)
• Periodontics (PERIODONT) (https://catalog.ucsf.edu/course-catalog/periodont)
• Pharmaceutical Chemistry (PHARM CHEM) (https://catalog.ucsf.edu/course-catalog/pharm_chem/)
• Pharmacogenomics (PHARMGENOM) (https://catalog.ucsf.edu/course-catalog/pharmgenom/)
• Pharmacology (PHARMACOL) (https://catalog.ucsf.edu/course-catalog/pharmacol/)
• Pharmacy Integrated Sciences (PHARMIS) (https://catalog.ucsf.edu/course-catalog/pharmis/)
• Physical Therapy (PHYS THER) (https://catalog.ucsf.edu/course-catalog/phys_ther/)
• Policy Law (POLICY LAW) (https://catalog.ucsf.edu/course-catalog/policy_law/)
• Preventive and Restorative Dental Sciences (PRV RS DEN) (https://catalog.ucsf.edu/course-catalog/prv_rs_den/)
• Psychiatry (PSYCHIATRY) (https://catalog.ucsf.edu/course-catalog/psychiatry/)
• Radiation Oncology (RAD ONCOL) (https://catalog.ucsf.edu/course-catalog/rad_oncol/)
• Radiology (RADIOLOGY) (https://catalog.ucsf.edu/course-catalog/radiology/)
• Rehabilitation Science (REHAB SCI) (https://catalog.ucsf.edu/course-catalog/rehab_sci/)
• Restorative Dentistry (RESTOR DEN) (https://catalog.ucsf.edu/course-catalog/restor_den/)
• Scientific Methods (SCIMETHODS) (https://catalog.ucsf.edu/course-catalog/scimethods/)
• Sociology (SOCIOLOGY) (https://catalog.ucsf.edu/course-catalog/sociology/)
• Surgery (SURGERY) (https://catalog.ucsf.edu/course-catalog/surgery/)
• Urology (UROLOGY) (https://catalog.ucsf.edu/course-catalog/urology/)
• Faculty (https://catalog.ucsf.edu/faculty/)
• Fees (https://catalog.ucsf.edu/fees/)
• Governance (https://catalog.ucsf.edu/governance/)
• Residency and Fellowship Programs (https://catalog.ucsf.edu/residency-fellowship/)
  • Anesthesia Residency (https://catalog.ucsf.edu/residency-fellowship/anesthesia-residency/)
  • Clinical Pharmacology and Therapeutics Postdoctoral Training Program (https://catalog.ucsf.edu/residency-fellowship/cpt-postdoctoral-training/)
  • Dentistry General Practice Residency (https://catalog.ucsf.edu/residency-fellowship/dentistry-general-practice-residency/)
  • Dentistry Preceptorships and Fellowships (https://catalog.ucsf.edu/residency-fellowship/dentistry-preceptorships-fellowships/)
  • Endodontics Residency (https://catalog.ucsf.edu/residency-fellowship/endodontics-residency/)
  • Medicine Residency and Fellowship Training Programs, UCSF Fresno (https://catalog.ucsf.edu/residency-fellowship/medicine-residency-fellowship-ucsf-fresno/)
  • Nurse Practitioner Fellowship Programs (https://catalog.ucsf.edu/residency-fellowship/nurse-practitioner-fellowship/)
  • Occupational and Environmental Medicine Residency (https://catalog.ucsf.edu/residency-fellowship/oem-residency/)
  • Oral and Maxillofacial Surgery Residency (https://catalog.ucsf.edu/residency-fellowship/oral-maxillofacial-surgery-residency/)
  • Pathology and Laboratory Medicine Residency (https://catalog.ucsf.edu/residency-fellowship/pathology-lab-med-residency/)
  • Pharmacy Residency Program (https://catalog.ucsf.edu/residency-fellowship/pharmacy-residency/)
  • Prosthodontics Residency (https://catalog.ucsf.edu/residency-fellowship/prosthodontics-residency/)
  • School of Medicine Fellowship Training Programs (https://catalog.ucsf.edu/residency-fellowship/medicine-fellowship-training/)
  • School of Medicine Residency Training Programs (https://catalog.ucsf.edu/residency-fellowship/medicine-residency-training-programs/)
  • UCSF-Genentech Clinical Development Fellowship (https://catalog.ucsf.edu/residency-fellowship/ucsf-genentech-clinical-devel-fellowship/)
  • UCSF-NYU Langone Health Advanced Education in General Dentistry Residency program (AEGD) (https://catalog.ucsf.edu/residency-fellowship/aegd/)
• Schools and Programs (https://catalog.ucsf.edu/schools/)
  • Graduate Division (https://catalog.ucsf.edu/schools/graduate-division/)
  • Institute for Global Health Sciences (https://catalog.ucsf.edu/schools/institute-global-health-sciences/)
  • School of Dentistry (https://catalog.ucsf.edu/schools/school-dentistry/)
Catalog Contents

- School of Medicine (https://catalog.ucsf.edu/schools/school-medicine/)
- School of Nursing (https://catalog.ucsf.edu/schools/school-nursing/)
- School of Pharmacy (https://catalog.ucsf.edu/schools/school-pharmacy/)
- Search Courses (https://catalog.ucsf.edu/course-search/)
- University Support Offices (https://catalog.ucsf.edu/university/)
  - Basic Needs for Students (https://catalog.ucsf.edu/university/basic-needs/)
  - Campus Life Services (https://catalog.ucsf.edu/university/campus-life-services/)
  - First Generation Support Services (https://catalog.ucsf.edu/university/first-generation-support-services/)
  - Graduate and Professional Student Association (https://catalog.ucsf.edu/university/graduate-professional-student-association/)
  - Housing Services (https://catalog.ucsf.edu/university/housing/)
  - Initiative to Maximize Student Development (https://catalog.ucsf.edu/university/initiative-maximize-student-development/)
  - International Students and Scholars Office (https://catalog.ucsf.edu/university/international-students-scholars-office/)
  - Learning Resource Services (https://catalog.ucsf.edu/university/learning-resource-services/)
  - Library (https://catalog.ucsf.edu/university/library/)
  - Office for Postdoctoral Scholars (https://catalog.ucsf.edu/university/office-postdoctoral-scholars/)
  - Office of Career and Professional Development (https://catalog.ucsf.edu/university/office-career-professional-development/)
  - Office of Diversity and Outreach (https://catalog.ucsf.edu/university/office-diversity-outreach/)
  - Office of Institutional Research (https://catalog.ucsf.edu/university/office-institutional-research/)
  - Office of the Registrar (https://catalog.ucsf.edu/university/office-registrar/)
  - Registered Campus Organizations (https://catalog.ucsf.edu/university/registered-campus-organizations/)
  - Restorative Justice Practices (https://catalog.ucsf.edu/university/restorative-justice-practices/)
  - Safety Services (https://catalog.ucsf.edu/university/safety-services/)
  - Student Disability Services (https://catalog.ucsf.edu/university/student-disability-services/)
  - Student Financial Services (https://catalog.ucsf.edu/university/student-financial-services/)
  - Student Health and Counseling Services (https://catalog.ucsf.edu/university/student-health-counseling/)
  - Student Life (https://catalog.ucsf.edu/university/student-life/)
  - Student Rights and Responsibilities (https://catalog.ucsf.edu/university/student-rights-responsibilities/)
- Student Veteran and Military Support Services (https://catalog.ucsf.edu/university/student-veteran-military-support-services/)
- Summer Research Training Program (https://catalog.ucsf.edu/university/summer-research-training-program/)
- Synapse: UCSF Student Voices (https://catalog.ucsf.edu/university/synapse-ucsf-student-voices/)
- Welcome from the Chancellor (https://catalog.ucsf.edu/welcome/)