

Committee Review" form indicating, 1) that they have had at least one meeting with all 3 members of their Master's Committee present and, 2) that the committee members and scholar agree that the scholar is making satisfactory progress toward meeting the program requirements (i.e., the comprehensive literature review, first-authored presentation and manuscript). The completed form should be sent to Chris Ireland at Box 0560 by June 30 of the first year in the program. Scholars must complete this form in order to be eligible to register for subsequent quarters.

Initial Committee Review

At no less than 6 months prior to the date that scholars anticipate completing the last of their original research research products (i.e., the comprehensive literature review, first-authored presentation and manuscript), scholars are required to complete the "Pre-Graduation Review" form indicating that they have had at least one meeting with all 3 members of their Master's Committee present where the content and timeline were agreed upon regarding the completion of the three research products. For example, if the scholar plans to graduate at the end of the Spring quarter of the second year (the minimum length of stay in the program), then he/she will need to file for graduation by approximately June 7 and thus should complete the "Pre-Graduation Review" form by no later than December 7. The purpose of this "Pre-Graduation Review" meeting is to ensure that the Committee is well aware of the exact projects the scholars have chosen to fulfill their requirements. The completed form should be sent to Chris Ireland at Box 0560.

Pre-Graduation Review

At no less than 3 months prior to the date that scholars anticipate completing the last of their original research products (i.e., the comprehensive literature review, first-authored presentation and manuscript), scholars are also required to complete the "Final Graduation Review" form indicating that they have had at least one meeting with all 3 members of their Master's Committee present where a final plan and timeline were agreed upon regarding the content and completion of the three research products. For example, if the scholar plans to graduate at the end of the Spring quarter of the second year (the minimum length of stay in the program), then he/she will need to file for graduation by approximately June 7 and thus should complete the "Final Graduation Review" form by no later than March 7. The purpose of this "Final Graduation Review" meeting is to ensure that the Committee is well aware of and agrees with the final plans the scholar has made to fulfill the program's research product requirements. The objective is to avoid last minute submissions to Committee members, which defeat the purpose of obtaining the members' well-reasoned advice. It is, however, anticipated that the scholar will continue to meet with Committee members, either together or individually, after this required "Final Graduation Review" meeting for further mentoring and review of the scholar's work. When planning for final approval of products by Master's Committee members, scholars should expect that Committee members may require as long as three weeks to return comments to the scholar. Therefore, Committee members should be presented with drafts of the required products well before the scholars' anticipated graduation. The completed form and electronic files of all three required products should be sent to Chris Ireland at Box 0560.

Final Graduation Review

At all required Committee meetings (and any other meetings held with the full committee), the scholar should take the responsibility for setting the agenda for the meeting, including sending out the agenda and accompanying materials (e.g., drafts of products) by e-mail at least one week prior to the meeting.

UCSF GRADUATION

▲ Top

In late May of each year, the UCSF Graduate Division invites all Master's Program scholars who anticipate graduating in the calendar year to participate in university-wide graduation ceremonies. Information about the ceremony is distributed in approximately March of each year.

GRANTWRITING TUTORIAL

▲ Top

Although not a required component of the program, scholars in the Master's Degree Program in Clinical Research are eligible to receive assistance in grantwriting via a tutorial with Mr. Tom Mitchell. In this tutorial, Mr. Mitchell will work with a select number of scholars individually over the course of several months to guide them through the grant writing process, to instruct them regarding how to write individual grant components (e.g., specific aims, background and significance, methods, etc.), to review and edit successive drafts of individual components, and to ensure timely completion and submission of grant applications. The grantwriting tutorial will be offered 3 times a year, in accordance with NIH funding cycles for career development and investigator-initiated research projects (i.e., February 1, June 1, and October 1, or January 2, May 1, and September 1 for HIV-related projects). The tutorial will be open to post-doctoral fellows and faculty members in the Master's Degree Program who would be classified at NIH as a "new investigator" and who intend to apply for either a patient-oriented research career development award (NIH K series) or submit their first investigator-initiated research grant (NIH R series) for a clinical research project. Scholars intending to apply for substantial grants to other agencies or foundations are also eligible. Scholars interested in this tutorial should contact Mr. Mitchell (tmitchell@psg.ucsf.edu) directly at least 5 months prior to the proposed submission deadline.

APPLICATION

▲ Top

To apply for the Master's program starting in Summer 2007, you must complete the one-page UCSF Graduate Division application available in PDF Format below and send it to Chris Ireland with a \$60 nonrefundable processing fee by **March 19, 2007**. When completing the application check the box for MAS degree and write in "Clinical Research" in the blank after "Graduate Program".

GRADUATE DIVISION APPLICATION

In addition to the Graduate Division application, you must also complete a detailed Master's Degree Program application. The Master's application is available in a ready-to-use Microsoft Word format (created on Word for Office

97 for the PC). To use this, click on the "Microsoft Word Format" button below. The word document should then appear in your browser. Next select "File > Save As" from the menu bar and save a local copy of the document to your computer. **Make sure to save a copy of the file on your computer before attempting to use the file.**

If you are not able to access the application in the Microsoft Word format, please download the .pdf version of the application by clicking on the pdf button below. This can then be printed out and completed by typing where indicated.

**MCR
APPLICATION**

**MCR
APPLICATION**

Scholars either currently in or graduated from the ATCR Credit-bearing Certificate Program may submit updated versions of their original applications to the ATCR Program. Such scholars must still provide all necessary transcripts and three new letters of recommendation.

- Completed Master's applications in MS Word format should be sent by email to Chris Ireland, MPH, Program Coordinator (cireland@psg.ucsf.edu). A signed hard copy of the application, plus the one-page Graduate Division application and \$60 fee, should also be sent to:

Chris Ireland, MPH
University of California, San Francisco
Box 0560
San Francisco, CA 94143

Deadline: Applications are due by **March 19, 2007** for admission in Summer 2007.

- **Costs:** The Master's Program is a minimum two-year course of study, requiring registration for seven quarters (Summer, Fall, Winter, Spring in the first year and Fall, Winter, Spring in the second year). Current fees for 2006-2007 are \$17,500 per year for the two-year program. Fees in 2007-2008 are subject to change. Selected applicants will be eligible to have their fees offset by a Department of Epidemiology and Biostatistic Scholarship of up to \$8400 per year. Those applicants who meet the following criteria will be eligible:

1. Demonstrated excellence in the performance of academic work and clinical care, based on prior transcripts, publications, and letters of recommendation. This criterion will be evaluated by the Master's Degree Program Admissions Committee.
2. Concurrent enrollment in a UCSF-sponsored residency or post-doctoral fellowship program; or student in good standing at the UCSF School of Medicine, Dentistry, or Pharmacy; or individuals who hold full-time salaried UCSF faculty or academic positions.

An additional offset of fees will be available in the scholar's second year in the program depending upon the scope and magnitude of his/her contribution as an instructional assistant.

Scholars are also strongly encouraged to own a wireless-capable laptop computer for use in computer labs in various courses and to take advantage of the wireless internet network at the TICR Program's facility at the China Basin Landing Building.

The statistical software package Stata (Stata Corporation, College Station, Texas) is used in the program. The TICR Program has arranged for a sizeable discount for UCSF-affiliated personnel via the Stata GradPlan program.

Interviews: Selected applicants will be interviewed by the admissions committee or its designate.

[TICR Home](#) | [TICR Master Schedule](#) | [TICR Courses](#) | [TICR Programs](#) | [TICR Rosters](#)
[Department Home](#)

Courses	Units
<u>Year 1</u>	
Summer Clinical Research Workshop	
Designing Clinical Research (EPI 180.04)	2
Building a Career in Clinical Research (EPI 227)	0.5
Responsible Conduct of Research (EPI 201)	0.5
Introduction to Statistical Computing in Clinical Research (BIOSTAT 212)	1
Total	4
Fall	
Epidemiologic Methods (EPI 203)	3
Clinical Epidemiology (EPI 204)	3
Biostatistical Methods for Clinical Research I (BIOSTAT 200)	3
Master's Seminar I (EPI 220)	1
Total	10
Winter	
Clinical Trials (EPI 205)	1.5
Biostatistical Methods for Clinical Research II (BIOSTAT 208)	3
Data Management (EPI 218)	1
Master's Seminar I (EPI 220)	1
Molecular and Genetic Epidemiology I (EPI 217)	1.5
Total	8
Spring	
Systematic Reviews/Meta-Analysis (EPI 214)	1
Biostatistical Methods for Clinical Research III (BIOSTAT 209)	3
Publishing and Presenting Clinical Research (EPI 212)	1
Outcomes Research (EPI 211)	1.5
Master's Seminar I (EPI 220)	1
Total	7.5
Total Units Year 1	29.5
<u>Year 2</u>	
Fall	
Biostatistical Methods for Clinical Research IV (BIOSTAT 210)	2
Master's Seminar II (EPI 221)	1
Measurement in Clinical Research (EPI 225)	1.5
Total	4.5
Winter	
Biostatistical Methods for Clinical Research V (BIOSTAT 226)	2
Master's Seminar II (EPI 221)	1
Decision and Cost effectiveness Analysis (EPI 213)	2
Total	5

Spring	
Master's Seminar II (EPI 221)	1
Total	1
Total Units Year 2	10.5
Total Units	40

小児科における臨床研究プログラム

Department of Pediatrics

SCHOOL OF MEDICINE

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Department of Pediatrics

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Welcome to the Department of Pediatrics

The Department of Pediatrics at UCSF is committed to excellence in research, education and the clinical care of infants, children and young adults. We are particularly proud of our faculty, many of whom have received national and international recognition for their accomplishments in each of these areas. Faculty who have been elected to leadership roles in professional societies, serve as editors of major pediatric texts or journals, and are the recipients of millions of dollars annually in extramural research funding attest to the excellence of our faculty.

Training

We are proud to demonstrate a substantial commitment to education, reflected in our highly acclaimed student, resident and fellowship programs.

Research

Being leaders in combating the illnesses that afflict millions of children, our scientific and academic activities in our Department encompass a wide range of basic and clinical areas and include all of the major pediatric specialties as well as rehabilitation, bone marrow transplantation and health policy.

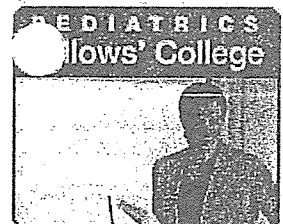
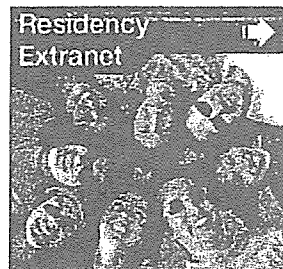
Patient Care

Helping and treating families, our Department offers a wide range of comprehensive patient care services for the diagnosis and treatment of inpatients and outpatients, from birth to adulthood, with general pediatric and subspecialty problems.

[go>>](#)

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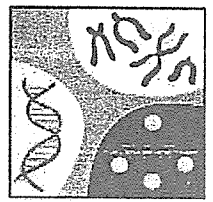
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RESEARCH DAY



MAY 18, 2007

DIVISIONS

Adolescent Medicine
Behavioral Pediatrics
Bone Marrow Transplant
Cardiology
Critical Care
Endocrinology
Gastroenterology, Hepatology, & Nutrition
General Pediatrics
Hematology/Oncology
Immunology/Rheumatology
Infectious Diseases
Medical Genetics
Neonatology
Nephrology
Pulmonary
Rehabilitation

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Department of Pediatrics

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Research

Recognized as one of the world leaders in pediatric research and treatments, our department prides itself on our innovative techniques, state of the art medical care, expertise, and world- renowned faculty and researchers. Our dedication to discovering and developing new treatments to combatting ailments afflicting our young is a crucial part of the research and patient care training.

Apply Research to Health Care

The Pediatric Clinical Research Center (PCRC) at UCSF has a forty-year history of translating ideas and discoveries into clinical practices that save children's lives. It is one of the original PCRCs established with support from the National Institutes of Health and one of just nine nationwide.

Among the treatments first evaluated at the PCRC were AZT (aziothymidine), which prevents mother-to-newborn transmission of HIV, artificial "surfactant" to lubricate and help open the lungs of newborns in respiratory distress, human growth hormone produced through genetic engineering (approved by the FDA just six years after UCSF researchers discovered the gene), and lifesaving combination therapies for neuroblastoma, a childhood cancer.

Clinical researchers at the PCRC have tested not only drugs, but also daring new procedures and innovative medical devices, including continuous positive airway pressure to better mechanically ventilate newborns and novel surgical procedures to repair or forestall organ abnormalities that result from chronic diaphragmatic hernia -- a birth defect that results in life-threatening organ abnormalities.

Speciality Research News and Articles

[Childhood and Teen Obesity: Tips from the WATCH at UCSF](#) Adolescent Medicine

[Fighting Leukemia in Cyber Space](#) Hematology/ Oncology

Updated: May 8, 2006

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Fellowships & Training

- [Fellowship Training Programs](#)
- [Residency Program](#)

Fellowship Training Programs

UCSF currently has 78 fellows in the pediatrics department, focusing on either laboratory-based research -- through the Molecular Medicine Program -- or clinical research or epidemiology -- through the Oracle program. The Department of Pediatrics also has received a generous gift earmarked for fellowship training that is being used to fund and augment support to fellows.

Visit our [Fellow's College](#) section for more information and details.

Residency Training Program

The UCSF pediatric residency program is one of the most sought-after in the United States. Numbers tell the story. Each year the program typically receives over 600 applications for the 28 first-year positions available. Such competition is a tribute to the keen problem-solving and doctor-patient-parent communication skills that are the department's cornerstones. The goal, of course, is to train pediatricians by weaving them into the care of patients at UCSF's renowned Children's Hospital and other hospital sites. But training pediatricians is not the same as teaching them. That requires imparting a deeper understanding of their role as healers and disease experts and engenders a give-and-take style of learning that encourages everyone to be a peak performer -- and to enjoy their work at the same time.

For more information about our Residency Program, see our [online brochure](#).

Updated: November 13, 2006

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Specialties

The Department of Pediatrics offers a full range of specialties in training, research and patient care. Many of our specialties are world renowned for their excellence and advancement in health care, and highly skilled faculty, physicians and researchers.

- [Adolescent Medicine](#)
- [Behavioral Pediatrics](#)
- [Bone Marrow Transplant](#)
- [Cardiology](#)
- [Critical Care](#)
- [Endocrinology](#)
- [Gastroenterology, Hepatology, & Nutrition](#)
- [General Pediatrics](#)
- [Hematology/Oncology](#)
- [Immunology/Rheumatology](#)
- [Infectious Diseases](#)
- [Medical Genetics](#)
- [Nephrology](#)
- [Neurology](#)
- [Neonatology](#)
- [Pulmonary](#)
- [Rehabilitation](#)

More information on each specialty will be available in the near future.

Updated: December 19, 2006

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- About the Program
- Program Features
- + Faculty and Housestaff
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- Working Environment
- Benefits
- Living in the SF Bay Area
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Our Pediatric Residency Training Program includes 85 house officers; 28 positions are available to entering PL-1's. The program offers two training options: the General Pediatrics Program (listed as the "categorical" track in ERAS/NRMP); with 24 PL-1 positions and the PLUS Program (listed as the "primary care" track in ERAS/NRMP) with 4 PL-1 positions. Both options ensure experience in all major facets of pediatric practice. They share a common core curriculum of general and subspecialty-based pediatric experiences in inpatient, ambulatory, neonatal, and intensive care settings. Progressive responsibility for patient care, teaching, and interaction with other health team members is an integral part of both program options, and both programs emphasize individualized training.

In either of the two training program options, residents may opt for a more flexible schedule.

Within the Pediatric Residency Training Program, **4 Chief Residents** share clinical and training responsibilities for both program options at all five sites. Two Chief Residents are based primarily at San Francisco General Hospital, one at UCSF and one Chief Resident represents the Primary Care Program across all five sites. The Chief Residents are an important source of teaching and support to the housestaff.

General Pediatrics Program ("categorical" in ERAS/NRMP)

Residents in the General Pediatrics Program spend at least one half day of each week in continuity clinic and augment core rotations in the second and third years with electives, which can include subspecialty rotations, transport, experiences in community-based pediatrics, or laboratory research. Residents are encouraged to take full advantage of campus and community resources by incorporating a variety of educational experiences into their curriculum.

We encourage applications to this program from applicants who have broad interests, undifferentiated interests, and interests in primary care as well as traditional academic subspecialty careers. The 24 residents in this program enjoy the offering of a variety of optional educational pathways for those with identified special interests. These pathways allow self-identified incoming PL-1's to select a residency experience that is more tailored to needs or interests. Please read more about our educational pathways in the General Pediatrics Program under Program Features.

PLUS Program ("primary care" in ERAS/NRMP)

Inspired by the health inequities suffered by children in both the United States and around the world, as well as the urgency to train pediatricians to lead change in the health care system, the UCSF Pediatrics residency program has developed an innovative program, **Pediatric Leadership for the UnderServed (PLUS)**. The vision of the PLUS program is **to train and inspire future leaders in pediatrics to identify and address the varied issues that affect the health of underserved children**. The PLUS curriculum is based on three pillars:

- **Critical thinking**

- **Leadership**
- **Community engagement**

These pillars create a framework for the skills, knowledge and mentorship our graduates need to build careers in research, policy, and advocacy for underserved children. To create a network of support, the PLUS residents all have continuity clinic based at San Francisco General Hospital and are clustered into advising groups with senior residents and a faculty member. PLUS-specific program details include conferences with local and national leaders in health care, core skill sessions (i.e. media training, grant writing, epidemiology), PLUS activity group meetings, mentorship with experienced faculty and community leaders, journal clubs, and leadership involvement with community organizations. The four individuals matched to PLUS each year will work together on projects and share outpatient rotations. We invite applications from individuals who are highly motivated and have experiences in underserved care (i.e. urban, international), leadership, or advocacy. The training for PLUS is fully integrated with the General Pediatric Residency Program at UCSF to include all components of clinical training to achieve the high standard of clinical care required to practice General Pediatrics.

Please see the [PLUS website](#) for more details.

Regardless of which track or pathway option suits an applicant's vision for residency training, please see more details in the [Application Process](#) section.

Flexible Schedule

The residency training program offers an option for some residents to continue training at a reduced pace after the PL-1 year. Residents on the Flexible Schedule may complete the PL-2 and PL-3 years over as much as three years, accommodating other interests or priorities such as research, work or study abroad, community service, or family.

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Educational Pathways (General Pediatrics Program)

- [Primary Care Pathway](#)
- [Critical Care Pathway](#)
- [Physician Scientist Pathway](#)
- [Special Alternative Pathway \(SAP\)](#)
- [Integrated Research Pathway](#)
- [Global Health Scholars Program](#)

Rotations (Applicable to all residents)

- [Adolescent Medicine](#)
- [Behavior, Development and Disabilities](#)
- [Continuity Clinic](#)
- [Physician in Society](#)
- [Subspecialty Rotations](#)
- [Transport](#)
- [Overall Rotation Schedule](#)

Other Features (Applicable to all Residents)

- [Teaching Skills](#)
- [Advising and Mentorship](#)
- [Career Development](#)

There are a number of optional educational pathways in the General Pediatrics Program for those residents with identified special interests, allowing incoming PL-1s to select a residency experience that is more tailored to needs. Residents in the various pathways share a common core curriculum of general and subspecialty pediatrics in inpatient, intensive care and ambulatory settings; all pathways lead to eligibility for Board Certification in Pediatrics and poise each resident for entry into any competitive postgraduate fellowship or practice opportunity. **Pathways are selected after the match**, but before starting the residency program so as to create an appropriately focused schedule (including the selection of the Continuity Clinic site).

TOP

Primary Care Pathway

For almost 30 years, UCSF has offered applicants the opportunity to participate in an intensified primary care experience. The Primary Care Pathway is available to residents in the General Pediatrics Program, and revolves around the theme of community and practice-based primary care pediatrics. These residents have time set aside for a **second half day of continuity clinic during outpatient months**. In addition, one clinic session per month can be replaced with a "community day". The "community day" is an opportunity for the Primary Care Pathway residents to continue with past projects and interests that were important in defining their interests in primary care, to explore new longitudinal outreach experiences, or pursue research interests.

In their third year, Primary Care Pathway residents have the opportunity to apply their skills in child advocacy, quality assessment, and health services research to **complete a community project**. Graduating residents in this pathway present their projects at an annual poster session held each June. Recent projects include:

- Strategies to prevent and treat overweight children at SFGH
- Medical insurance coverage of children
- Local speech and hearing services for non-English speaking families
- Children's art and literary magazine
- Resident education on primary care of deaf/hard of hearing children
- Needs assessment of SF homeless children
- Health needs of children living in Single Room Occupancy (SROs)

The third year residents and the Primary Care Chief Resident organize monthly potlucks featuring speakers from the community. UCSF's Primary Care Pathway brings together the opportunities, experiences, and mentoring to help residents become "specialists" in community and practice-based primary care pediatrics.

TOP

Critical Care Pathway

Within the General Pediatrics Program, a Critical Care Pathway is available and offered to up to four residents each year. The pathway is designed for residents identified as highly interested in careers such as neonatology, critical care, and cardiology. These residents **rotate in the PICU during their first year of training** (usually a second year rotation) and have the ability to **schedule an appropriately focused critical care specialty elective early in their second year**, thus allowing them to explore their interests and make a decision regarding fellowship applications earlier in their residency.

TOP

Physician Scientist Pathway

As a center of excellence in biomedical research, UCSF has many outstanding resources available to residents interested in academic pediatrics. This evolving pathway seeks to create **opportunities to optimize the training environment for residents interested in becoming physician-scientists**. One core activity of this group is a monthly journal club, led by residents in conjunction with a faculty mentor. A proactive faculty advisor program has been developed to help interested residents prepare fellowship applications, identify optimal postgraduate training environments at UCSF and other institutions, and to develop curriculum in the second and third year tailored to residents' academic interests.

Some residents in the Physician Scientist Pathway may choose to take advantage of a unique opportunity at UCSF known as the **Molecular Medicine Program (MMP)**. The MMP offers post-residency research training positions for physicians committed to a career in basic biomedical research. MMP fellowship positions are available at different stages of clinical training: either in conjunction with Residency training, or post-clinical fellowship. At the time of acceptance into the program, MMP fellows are guaranteed access to training positions in laboratories of Molecular Medicine or other appropriate faculty either in the affiliated Program in Biological Sciences (PIBS) or the Biomedical Sciences Program (BMS). Participating MMP faculty are members of interdisciplinary programs including Biochemistry & Molecular Biology,

Immunology, Microbiology, Cell Biology, Developmental Biology, Genetics, Pathology, and Neuroscience.

Please visit the [MMP website](#) directly for full details about the program.

Internship applicants:

Applicants who are invited for an internship interview in the Department of Pediatrics and have indicated an interest in also applying for the MMP are required to provide a letter of recommendation from previous research mentor(s), addressed directly to the MMP. A hard copy reprint of published research papers should also be provided, as well as a one page statement of research career goals. This research letter of support, the hard copies of published work and the statement of goals is then packaged and forwarded to the MMP on the candidate's behalf, and copies are maintained with the residency application packet.

Important Information about MMP Interviews:

The Molecular Medicine Program hosts a **comprehensive program overview and interview day that is SEPARATE from our own Pediatric "Applicant Day"**; for your convenience, any applicant invited to interview with the Molecular Medicine Program will be scheduled for the Pediatric "Applicant Day" either the day before or the day after the MMP program overview/interview day. Applicants are encouraged to take this into account when applying to the MMP program, and while considering travel arrangements to the Bay Area. The MMP overview/interview days this year are scheduled on:

- Tuesday 12/12/06
- Tuesday 1/09/07
- Thursday 1/16/07

Invitation for an interview in the Pediatric Residency Training Program does not guarantee an interview for the MMP. However, should an applicant be denied an interview for or selection by the MMP, the strength of candidacy for the Pediatric Residency Program is entirely independent of those decisions made by the MMP.

Fellowship applicants:

Generally, an application is made either at the time of clinical fellowship application or during the fall of the first clinical year of fellowship at UCSF.

TOP

Special Alternative Pathway (SAP)

The American Board of Pediatrics (ABP) recognizes that occasionally an exceptional candidate should be given special consideration to **begin pediatric subspecialty or related training after the completion of the PL-2 year of general comprehensive pediatrics**. Before the start of the PL-2 year, the program director may petition the ABP that a resident be considered for the (SAP), indicating that the candidate has superior overall competence. The subspecialty program director must also provide a letter outlining the clinical and research training proposed, including special requirements to be met during the PL-2 and PL-3 years. In addition, such candidates will be required to take a screening examination. The application material and the score on the screening examination will be reviewed by the SAP Credentials Committee.

A SAP trainee may apply for the certifying examination in general pediatrics in the fifth year of training provided that he or she has successfully completed the required two years of general pediatrics residency and at least 12 months of clinical rotations in the pediatric subspecialty.

TOP

Integrated Research Pathway

The Integrated Research Pathway (IRP) is designed to accommodate MD/PhD graduates who would benefit by **having the ability to continue ongoing research during their pediatric residency**. During the 3 years of general pediatric residency, a maximum of 11 months may be spent in research, with at least 5 months in the PL-3 year and no more than 1 month in the PL-1 year. Individuals may apply to the American Board of Pediatrics for this program either **before** entering the pediatric residency program or **during the first 9 months** of the PL-1 year. The curricular components of the minimum of 22 months of core clinical pediatric residency must be fulfilled.

A supervisory/review committee will be established by the residency program and the research mentors to ensure that each trainee is meeting the requirements of training and is successfully completing each experience to be continued in the pathway. The program directors will provide careful evaluation of clinical training to determine whether the resident is attaining the knowledge and experience necessary to provide independent care of children. A research mentor will oversee the research experiences to ensure that the trainee is accomplishing pathway goals. To meet the eligibility requirements for certification in general pediatrics, the resident must satisfactorily complete 36 months in the IRP. An additional 12 months of pediatric clinical experience in an accredited specialty residency or fellowship must be successfully completed to be eligible to apply for the certifying examination in general pediatrics.

TOP

Global Health Scholars Program

In 2005, the UCSF Departments of Pediatrics and Medicine collaborated to develop an Global Health Scholars Program jointly with UCSF Global Health Sciences. This program is designed to give tailored mentorship and educational experiences to residents with a specific commitment to global health. Currently there 4 residents from Pediatrics in this program. They are among 16 total scholars from 7 different residency programs, including surgery, psychiatry, family practice, ob/gyn, orthopedics, and medicine.

Participants in the GHS program receive:

1. An intensive September course covering basic topics in global health
2. Mentored Project and Immersion experience at an international site, either in a Clinical Research Pathway or a Policy/Program/Education Pathway
3. Participation in a local global health project
4. Rotation at select clinics that address international or global health issues
5. Regular meetings to provide contact with like-minded trainees and faculty to discuss issues, review articles, and discuss career paths

6. Opportunities to participate in future Global Health curricular development

Residents apply to this program during the PGY-1 year. Upon completion of the program, participants will obtain a Recognition of Distinction in Global Health from UCSF Global Health Sciences.

The GHS program is complemented by the Pediatric International Health Interest Group which includes faculty, fellows, residents, and medical students. The group has monthly meetings which include a potluck dinner and a presentation by a member or guest.

TOP

Adolescent Medicine

A structured one-month introduction to this discipline is provided in the PL-1 year, with focused clinical experiences and teaching continuing throughout the remaining years of training. The Adolescent Medicine Unit is staffed by an interdisciplinary team, including pediatricians, obstetrician-gynecologists, child psychiatrists, psychologists, social workers, nurses and nutritionists, providing comprehensive care to ambulatory and hospitalized adolescents. There are ample opportunities for community interface and extensive outreach, as this unit supports health services at many local institutions, including schools, storefront clinics, and residential programs for high-risk youth and teenage mothers. The option exists for residents to select a school-based clinic for continuity clinic.

TOP

Behavior and Development and Disabilities

An extensive educational program and clinical experience in behavior and development is provided as a dedicated month-long rotation in the PL-2 year. This outpatient experience is academically challenging and clinically stimulating. The focused teaching on this rotation is applicable to all other educational and service settings, and thus plays an important role throughout the pediatric training program. Housestaff training is based at multiple sites in the community, including experiences as diverse as participation in the evaluation and therapy of children with behavioral disorders and multiple physical disabilities, on-site observation of preschools and elementary schools, and site visits to community programs and state institutions. The involvement of pediatricians, occupational and physical therapists, child psychiatrists, psychologists, social workers, speech and language specialists, and special education teachers serve to ensure a truly multidisciplinary experience.

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Continuity Clinic

Each resident participates in regular continuity clinics at one of the five program sites throughout the three years of training. These continuity clinics are organized as group practices, meeting on a fixed day of the week, and are composed of several residents and a faculty preceptor. In addition to the opportunity to develop and experience a personal "practice," a formal curriculum is offered. This features small-group, interactive discussions that cover general ambulatory pediatric topics, particularly pediatric health surveillance, psychosocial, and behavioral issues.

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Physician in Society

This rotation utilizes resources in the community and within UCSF to provide residents with a structured learning experience which includes issues of domestic violence, political advocacy and health policy, and cultural competence. It has in the past been awarded the Honorable Mention Teaching Award by the Ambulatory Pediatric Association. Resources include leadership from local and state advocacy organizations, faculty from UCSF's Institute for Health Policy Studies, and field placement in a variety of schools, shelters and community-based service providers for children and families. For residents in the Primary Care Pathway, this rotation provides a timely foundation for developing the community project in the third year. Examples of recent community projects include: the development of a clinic-based literacy project; a peer education program on tobacco-related health risks; a state legislative advocacy project; and a culturally sensitive asthma education program for Latino patients.

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Subspecialty Rotations

Rotations through selected subspecialties are part of each resident's experience, ensuring exposure to such areas as cardiology, neurology, infectious diseases, gastroenterology, nephrology, endocrinology, pulmonology, immunology, rheumatology, genetics, bone marrow transplantation, hematology, and oncology. These are either in-depth, singular service elective rotations, designed to provide experience across the full range of clinical care in one subspecialty, or a block rotation on the newly created, combined in- and outpatient services for certain selected subspecialties.

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Transport

This elective third year rotation is a structured opportunity for residents to integrate and utilize technical skills learned during the previous years, providing experience in evaluating, stabilizing and managing infants and children before they reach the Medical Center. Residents transport infants and children to UCSF by ambulance and/or small plane from locations throughout Northern California and Nevada.

TOP

Overall Rotation Schedule

The overall rotation schedule of all residents reflects their individual curricular goals. No two residents have exactly the same rotation schedule. The residents' schedules are influenced by personal choices developed with the help of faculty advisors, as well as by either the General Pediatric or PLUS program they are in, the location of their continuity clinic, educational pathway and/or flexible schedule options.

First year residents have at least three months in general pediatrics acute care clinics and emergency room experiences; an adolescent medicine and newborn rotation; 4 months of inpatient general pediatric and subspecialty services, and 2 months of critical care services (PICU/ICN).

Second year residents have increasing responsibility for more complex patient problems, and increasing clinical decision making ability with less direct supervision from senior level residents. There are

2.5-3.5 months of general pediatric clinics and ER, a 1.5 month rotation in pediatric behavior/development/disabilities, a 1.5 month rotation on the hematology/oncology/BMT service, the Physician in Society month, 1-2 months of supervisory inpatient general pediatrics, 1-2 months of critical care services (PICU or ICN), and 1-2 months of electives. PLUS residents have a special PLUS rotation in community advocacy and leadership.

Third year residents have the greatest opportunity for supervisory experiences and to individualize their curriculum. There are 1-2 months of general pediatric clinics, 1-2 months each of inpatient pediatrics and intensive care nursery, and 2-3 months of electives. One month is spent on the "jeopardy" rotation, our program's method to cover other residents on short term absences. Most residents have a month of pediatric intensive care (depending on the educational pathway), and may also rotate on our pediatric transport service. Primary Care Pathway have a designated month to complete their community based project, and PLUS residents have up to 2 months of PLUS-specific curriculum.

TOP

Teaching Skills

The pediatric faculty and residents at UCSF have developed seminars fostering growth of teaching skills and team leadership in residents. These are offered in small group settings to all pediatric house officers. These skills are utilized regularly, as house officers share both formal and informal teaching responsibilities amongst themselves and as they supervise medical students rotating through the pediatric services. We have developed additional curricula to enhance professional skills and attitudes for working successfully with the tremendous diversity of our patients.

TOP

Advising and Mentorship

All residents are assigned a "transitional" faculty advisor in their first year, and then select a "career" advisor to help guide them through their final years in the program. The faculty advisors serve as advocates for the residents, as well as provide individual mentoring. The advising system assists residents with identifying pediatric career opportunities and job placement.

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Career Development

Residents are encouraged to participate in the annual "Life After Residency" day-long conference (workshops and panel discussions on relevant topics) sponsored by the Northern California Chapter of the American Academy of Pediatrics. Recent UCSF graduates in community practices and postgraduate training programs are readily available by phone or email to share personal experiences of career decisions, and meet with groups of residents, often annually.

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