

**Naval Medical Center  
San Diego  
Department of Pediatrics**



**Residency Program  
Guide**

## **I. NMCS D Pediatrics: By the Numbers**

- ◆ Full time teaching staff: **53**
- ◆ Housestaff: **8 PGY1, 6 PGY2, 8 PGY3**
- ◆ Bed Capacity
  - \* Pediatric Ward: **22**
  - \* PICU: **6**
  - \* NICU: **30**
- ◆ Admissions/Outpatient Encounters
  - \* Ward Admissions/yr: **1,800**
  - \* Newborn Deliveries/yr: **4,000**
  - \* NICU Admissions/yr: **600**
  - \* PICU Admissions/yr: **300**
  - \* PICU Sedation Center, Procedures/yr: **500**
  - \* Outpatient Clinic visits/yr: **82,000**
- ◆ Available Subspecialists: Adolescent (3); Allergy/Immunology (2); Cardiology (2); Critical Care (4); Developmental Pediatrics (2); Dysmorphology/Genetics (1); Endocrinology (2); Gastroenterology (2); Hematology/Oncology (2); Infectious Diseases (1); Metabolics (partnership with UCSD group); Neonatology (7), Nephrology (1); Neurology (2); Psychiatry (2); Psychology (2); Pulmonary (1)
- ◆ Other Pediatric Department Faculty: Audiology, Physical Therapy, Speech Therapy, Social Work, Lactation Consultation
- ◆ Pediatric Surgery: General, Ophthalmology, Orthopedics, Otolaryngology, Plastics (Cranio-facial expert), Neurosurgery, Urology (partnership with Rady Children's Hospital and Health Center), Dermatology, Dentistry
- ◆ Affiliated Institutions
  - \* Rady Children's Hospital and Health Center, San Diego
  - \* University of California, San Diego
  - \* Children's Hospital of Orange County

## **II. The Pediatric Residency Program: An Overview**

Our three year post-graduate program is designed to fulfill the requirements of the American Board of Pediatrics and the ACGME Pediatric Residency Review Committee. In April 2010, the program received continued full accreditation for the following four years. Our primary goal is to train selected medical officers to become pediatricians of the highest quality, capable of providing comprehensive medical care to the children of military personnel stationed around the world.

## **III. The Curriculum**

- ◆ PL-1: Categorical interns have four rotations on the inpatient ward (two at San Diego Children's Hospital), two rotations in the NICU, and one rotation each in Orthopedics, Adolescent Medicine, Normal Newborn, Emergency Medicine (NMCSD), and Developmental Pediatrics/GYN. Two rotations are dedicated to General Pediatric Teaching Clinic (GPTC).
- ◆ PL-2: Increasing supervisory and managerial roles are built into this year, along with more varied out-patient assignments. Experience as the supervising resident is arranged for a total of one rotation on each of the following services: Ward, PICU, Developmental Pediatrics and GPTC. A total of six weeks are spent in the NICU as the night shift resident and NICMO. The year is rounded out with rotations in Adolescent Medicine, Community Medicine/Family Violence, Emergency Medicine (at Rady Children's Hospital and Health Center), three Pediatric sub-specialty electives and a leave block.
- ◆ PL-3: Advanced training in more specialized areas and continued supervisory responsibilities are scheduled. Assignments are usually individualized according to specific needs and desires. One rotation is spent in the NICU, Ward, Newborn Nursery and PICU (at Children's Hospital of Orange County). Eight weeks are dedicated to GPTC and 2-3 weeks are again spent in the NICU on night shift. The remaining rotations, usually about five, are available as electives at the Naval Medical Center, University of California Medical Center, Rady Children's Hospital and Health Center, or another approved medical facility in the United States (or even abroad!).



#### **IV. Resident Continuity Clinic**

An important educational experience during the three year residency program at NMCS D is the Resident Continuity Clinic. These clinics meet once per week (residents are required to have a minimum of 36 such clinics in a year). They are staffed by a staff pediatrician and a certified pediatric nurse practitioner (CPNP). The continuity clinic curriculum includes a schedule of weekly reading assignments for the residents, and each clinic session begins with a thirty minute, interactive review and discussion of these pediatric topics. Our residents enjoy these continuity clinics, which allow them to develop rewarding relationships with their patients and parents, and see the outcomes of their clinical decision making over weeks, months, and even years!



## V. Humanitarian Missions/International Rotations

In a military residency program, our young physicians must learn how to deliver the best possible care in a large treatment facility, as well as in a more austere, unfamiliar setting. With this in mind, we have been very fortunate to have had our residents train onboard the USNS Mercy and the USS Pelelieu during their most recent humanitarian missions to Southeast Asia. We have also had residents participate in international relief missions in Africa and South America. These rotations have provided invaluable learning experiences which have been enjoyed and appreciated by all who participated. It is an educational and life-changing opportunity which is unparalleled in most civilian residencies throughout the country.



## VI. Scholarly Activity

At NMCS D, exposure to scholarly activities and research is stressed and residents are required to become involved in an academic project in collaboration with a faculty member of their choice. This can mean clinical or bench research, community or advocacy initiatives, or a QI project. Opportunities for resident experience in Critical Care, Infectious Diseases, Neonatology, Hematology, Pulmonary Medicine, General and Community Pediatrics have resulted in several resident presentations and publications. The following are just a few of our recent scholarly accomplishments:

### Publications

- ◆ Gabbert C, Donohue M, **Arnold J**, Schwimmer JB. "Adenovirus 36 and Obesity in Children and Adolescents." *Pediatrics*. 2010; 126;721-726.
- ◆ Watterberg KL, and Committee on Fetus and Newborn, "Postnatal Corticosteroids to Prevent or Treat Bronchopulmonary Dysplasia." *Pediatrics* 2010;126;800-808. (Committee on Fetus and Newborn, 2009-10, Committee Member, **Tan R**)
- ◆ **Zabrocki LA**, Brogan TV, Statler KD, Poss WB, Rollins MD, Bratton SL. "Extracorporeal membrane oxygenation for pediatric respiratory failure: Survival and predictors of mortality." *Critical Care Medicine* 2011; 39:364-370.
- ◆ **Waecker NJ**. Antibiotic Use in Animals: A Concerning Situation in Need of Resolution. *San Diego Physician*. San Diego County Medical Society. October 2010; 24-25.
- ◆ **Kon AA**. Life and death choices in neonatal care: applying shared decision-making focused on parental values. *Am J Bioeth*. 2011 Feb;11(2):35-6.
- ◆ **Kon AA**. Palliative sedation: it's not a panacea. *Am J Bioeth*. 2011 Jun;11(6): 41-2.
- ◆ **Olson CA**, Crudo DF. Puberty delay, hypokalemia, and hypertension caused by a rare form of congenital adrenal hyperplasia. *J Pediatr Adolesc Gynecol*. 2011 Apr; 24(2):e29-31. Epub 2010 Dec 28.
- ◆ **Olson C, Paz J**. Index of Suspicion. Case 3: Afebrile Seizures After a Bout of Diarrhea in a 2-year-old Girl. *Pediatrics in Review*. 2011;32;123-128.

### Published Abstracts

- ◆ **Monteil DC, Kunz GJ, Maurer ST, Willis MJ**. "Osteogenesis Imperfecta and Generalized Arterial Calcifications of Infancy." *Journal of Investigative Medicine*. 2011; 59(1):109.
- ◆ **Willis MJ**. "De Bary Syndrome; Report of a Previously Undescribed Clinical Feature That Suggests New Direction for Etiologic Investigation." *Journal of Investigative Medicine*. 2011; 59(1):110-111.

### Books/Chapters

- ◆ **Boamah L**. "Manifestations of Liver Disease." *Nelson Textbook of Pediatrics*. 2011. 19<sup>th</sup> Edition. Saunders, Elsevier, Inc, Philadelphia, PA.
- ◆ **Kon AA**. Physician Aid in Dying in Children. In *Clinical Ethics in Pediatrics: A Case-Based Textbook*. Diekema DS, Mercurio M, and Adam MB editors. Cambridge University Press 2011 *in press*.

## **National/International Presentation**

- ◆ **Peterson L**, Bradley J, **Arnold J**. "Indolent Osteomyelitis Following a Plantar Puncture Wound." "First Place - Leo J. Geppert Award," in case report category. Presented at 2011 Uniformed Services Pediatric Seminar (USPS), Poster Session, Washington, DC, 12-15 March 2011.
- ◆ **Arnold JC**, Brown C, Woodman R. "An Adipogenic Adenovirus inhibits TNF Mediated Apoptosis." Presented at 2010 Pediatric Academic Societies (PAS) Poster Session. Vancouver, Canada. May 2010.
- ◆ **Miller T**, Love C, **Waecker NJ**, **Arnold JC**. "Comparison of Maternal and Child Hepatitis B Antibodies at 18-48 Months Postpartum in a Military Population." Presented at 2010 Pediatric Academic Societies (PAS) Poster Session. Vancouver, Canada. May 2010.
- ◆ **Miller T**, Cannavino C, Westley B, Ross M, Riffenburgh R, **Arnold JC**, Bradley JS. "C-Reactive Protein as a Criterion for Transition to Oral Therapy in Acute Hematogenous Osteoarticular Infections in Children." Presented at 2011 Pediatric Academic Societies (PAS) Poster Session. Denver, Colorado. Apr 30-May 3, 2011.
- ◆ **Blevins E**, Brown C, Jones M, **Arnold JC**. "An Adipose Adenovirus-E3 Gene Transcription and Host-Virus Interactions." Presented at 2011 Uniformed Services Pediatric Seminar (USPS), Poster Session, Washington, DC, 12 -15 March 2011.
- ◆ **Kon AA**. "Advanced Skills Workshop for Clinical Ethics Consultation." Pre-conference workshop (with others) at the American Society for Bioethics and Humanities annual conference. San Diego, CA. October 2010.
- ◆ **Kon AA**. "Ethics Consults Gone Wrong: Learning from our Failures." Panel presentation (with others) at the American Society for Bioethics and Humanities annual conference. San Diego, CA. October 2010.
- ◆ **Kon AA**. "Assent in Research Involving Children." Workshop (with others) at the Public Responsibility in Medicine and Research (PRIM&R) annual conference. San Diego, CA. December 2010.
- ◆ **Waecker NJ**. "How to be an Effective Pediatric Infectious Diseases Physician in the Military." Presented as a Visiting Professor, Department of Pediatrics, Uniformed Services University of the Health Sciences (USUHS), Bethesda, MD, 16 Sept 2010.
- ◆ **Waecker NJ**. "The Revised Uniformed Services University of the Health Sciences (USUHS) Academic Promotion Process." Presented as Keynote Speaker at The Sixteenth Annual Gary L. Francis Pediatric GME Dinner Seminar at the Renaissance Washington, DC Hotel, 999, 9<sup>th</sup> Street, NW, Washington DC, 20001 (host location for the 2010 JS GMESB), 1 Dec 2010.

## Regional Presentations

- ◆ **Arnold JC.** "Use of CRP to Guide Transition to Oral Therapy in Pediatric Osteoarticular Infections." Naval Medical Center, San Diego, 2011 Academic Research Competition. 24 March 2011.
- ◆ **Enujoke SC.** "Implementation of the Reach Out and Read Program in a Military Facility." Naval Medical Center, San Diego, 2011 Academic Research Competition. 24 March 2011.
- ◆ **Arnold JC.** "Early Virus/Host Interactions of an Adipogenic Adenovirus." Naval Medical Center, San Diego, 2011 Academic Research Competition. 25 March 2011.
- ◆ **Monteil DC.** "Osteogenesis Imperfecta and Generalized Arterial Calcifications of Infancy." Naval Medical Center, San Diego, 2011 Academic Research Competition. 25 March 2011.
- ◆ **Overbey JK.** "Unusual Presentation of Adrenal Hemorrhage in a Newborn." Naval Medical Center, San Diego, 2011 Academic Research Competition. 25 March 2011.
- ◆ **Chinnock TJ.** "Calcineurin Inhibitor Minimization Using Sirolimus Leads to Improved Renal Function in Pediatric Heart Transplant Recipients. Poster presentation. Naval Medical Center, San Diego, 2011 Academic Research Competition. 25 March 2011.
- ◆ **Kon AA.** "Ethics Considerations in Decision-Making for Infants with Hypoplastic Left Heart Syndrome." Lecture at the Rady Children's Hospital Pediatric Ethics Conference. San Diego, CA. November 2010.

## Grants

- ◆ **Johnson C** (PI) EPA/NEEF Asthma Faculty Champions Training Grant 2006-2011, \$30,000 per year.
- ◆ **Johnson C** (PI) EPA/NEEF#2. Asthma Faculty Champion Training Grant, 5/1/10 to 1/13/12 (21 months). \$2,000.
- ◆ **Johnson C** (PI) EPA/NEEF#3. Asthma Faculty Champion Training Grant, 10/1/10 to 9/30/11. \$11,000.
- ◆ **Blaschke G, Johnson C.** (Co-PIs) California Community Pediatrics and Advocacy Collaborative, Stanford University, California Endowment, 2007-2011, \$55,000.
- ◆ **Arnold J.** Exploring the molecular machinery of infection and obesity, BUMED "CIP" grant, FY 2010-11, \$87,500.
- ◆ **Kon AA.** (Project Leader/Collaborator). CTSA Case-Based Training in Biostatistics, Research Design and Responsible Conduct of Research. 09/2009-09/2011. National Center for Research Resources (NCRR). \$499,067.
- ◆ **Kon AA.** (Co-Investigator). Research Integrity in Collaborative Science: From Education to Behavioral Change. 01/2010-12/2012. National Center for Research Resources (NCRR). \$401,025.





## **VII. Our Pediatric Faculty**

- ◆ CDR Elizabeth Ferrara, Pediatric Department Chairman
- ◆ CDR Lynelle Boamah, Pediatric Residency Program Director, Pediatric Gastroenterology

### **Military Staff**

- ◆ CDR John Arnold, Pediatric Infectious Diseases
- ◆ LCDR Christopher Foster
- ◆ CAPT Christie Grau
- ◆ CDR Eileen Hoke
- ◆ CAPT Christine Johnson, General Pediatrician
- ◆ CAPT John King, Developmental Pediatrician
- ◆ CAPT Gregory Kunz, Pediatric Endocrinology
- ◆ CAPT Con Yee Ling, Neonatology
- ◆ LCDR Chad Mao
- ◆ CDR Scott Maurer, Pediatric Cardiology
- ◆ CDR Joanne McManaman, Pediatric Hematology/Oncology
- ◆ LCDR Lisa Mondzelewski, General Pediatrician
- ◆ LT Manju Samant General Pediatrics
- ◆ LCDR Christina Olson, General Pediatrics
- ◆ MAJ Peaches Richards, General Pediatrics
- ◆ LCDR Sarah Villarroel, Child Abuse Pediatrician
- ◆ COL Gregory Welch, Neonatology
- ◆ CAPT Jon Woods, Pediatric Critical Care
- ◆ CDR Cathy Yates, Pediatric Endocrinology

## **Civilian Staff**

- ◆ Karie Anderson, MD, General Pediatrician, Hospitalist
- ◆ Dale Bull, MD, Neonatology
- ◆ Chelsie Byrnes, MD, Pediatric Critical Care
- ◆ Gregory Butler, MD, General Pediatrician
- ◆ Douglas Carbine, MD, Neonatology
- ◆ Amanda Carlson, NNP
- ◆ Ryan Corrow, MD, General Pediatrician
- ◆ Don Coullahan, MD, Adolescent Medicine
- ◆ Mario Eyzaguirre, MD, Pediatric Critical Care
- ◆ Terry Gilbert, MD, Adolescent Medicine
- ◆ Elaine Hamilton, CPNP
- ◆ Kathy Hervan, CPNP
- ◆ Jennifer Jordan, NNP
- ◆ Kimberly Kelley, CPNP
- ◆ Alexander Kon, MD, Pediatric Critical Care
- ◆ Mary Malinowski, CPNP
- ◆ Ann Martin, CPNP
- ◆ Shantha Mathews, MD, Neonatology
- ◆ Sandra McColl, MD, General Pediatrician
- ◆ Amy Michalski, MD, General Pediatrician
- ◆ Jim Murphy, MD, General Pediatrician
- ◆ Ralph Pene, MD, Pediatric Hematology/Oncology
- ◆ Cheryl Pizarro, CPNP
- ◆ Fran Rash, MD, General Pediatrician
- ◆ Stacie Rohrbaugh, NNP
- ◆ Joel Ruff, MD, General Pediatrician, Hospitalist
- ◆ Jacqueline Serena, MD, Pediatric Neurology
- ◆ Kris Stephens, NNP
- ◆ Normal Waecker, MD, Pediatric Infectious Diseases/General Pediatrician
- ◆ Caisey Webb, NNP
- ◆ Wade J. White, MD, Developmental Pediatrician
- ◆ Mary Willis, MD, PhD Genetics
- ◆ Henry Wojtczak, MD, Pediatric Pulmonology
- ◆ Charles Yang, MD, Pediatric Gastroenterology
- ◆ Ari Zeldin, Pediatric Neurology
- ◆ Stacey Ziegler, NNP

## VIII. PACCT– Pediatricians and Communities Collaborating Together

- ◆ At NMCS D, we partner with over 40 community programs to provide learning environments in which residents discover how community circumstances influence the health and well-being of children.
- ◆ Child Protection Rotation: PACCT in association with UCSD Academic Center for Excellence on Youth Violence Protection and the Center for Child Protection developed a two-week Family Violence Rotation to educate and expose residents to the multiple aspects of domestic violence.
- ◆ The Longitudinal Experience: During the four-week Community Pediatrics Rotation (PGY-2), residents work with numerous community partners to develop projects focusing on community pediatrics and family violence. To help residents hone skills as advocates for children and families, they are encouraged to select a community or agency with which to develop a long-term relationship for the remainder of their residency.



- ◆ Cultural Immersion Days: A combined half-day experience with the UCSD pediatric residency program occurs quarterly, and is designed to help residents deliver the highest level of culturally effective care. Experiences include trips to communities throughout San Diego and are designed to educate residents through unique interactions with community members.
- ◆ Cultural Theatre and Film Series: Evening experiences that occur quarterly at either a local theatre or the home of one of our pediatric faculty or residents. This is a combined experience with the UCSD pediatric residency program and is designed to increase cultural awareness through the use of film and theatre. These fun and educational evenings culminate with dinner and a group discussion about the featured culture/community.

*"I believe that my profession needs a shift of emphasis. Pediatrics is a primary care specialty that must be community-oriented and community-based....Only by such a shift of focus can the well-being of all America's children be improved." -Anne E. Dyson, MD*

## **About San Diego**

Known as "America's Finest City", San Diego is the 6th largest city in the United States with a population of more than 2.5 million within the metropolitan area. It is home to the Navy's Pacific Fleet, with bases at 32nd Street, North Island, and the Naval Amphibious Base. In addition, San Diego county contains Camp Pendleton (the world's largest Marine Corps base), Marine Corps Air Station Miramar, and the Marine Corps Recruit Depot.

Well known by most for its ideal climate, San Diego has an average year-round temperature of 70 degrees! This makes it one of the most active cities in the country, with an abundance of outdoor recreational opportunities including running, cycling, hiking, golf and unlimited water sports. San Diego is home to professional baseball and football teams, as well as numerous collegiate sports. The area also possesses outstanding regional and national parks, including Balboa Park, Torrey Pines State Park, Anza Borrego State Park, and the Cabrillo National Monument.

Beautiful San Diego is the southwestern-most city in the United States. Experience the transformation of cool ocean breezes to snow capped mountains to desert wildflowers in one short drive!



# A Day in the Life of a Resident



## Our Wonderful Corpsmen





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