

QUARTERLY NEWSLETTER



UCLA
Department of Pathology
and Laboratory Medicine

OLYMPIC LAB

Lab Ensures Olympic Athletes Are 'Clean'

If you were around Westwood or anywhere in LA in 1984, then you would remember all the excitement that came with the Olympic Games coming to Los Angeles. The gymnastics competition was held at Pauley Pavilion and they used the famous Los Angeles Tennis Center for all the exciting tennis matches. With the games coming to Los Angeles, UCLA took it upon themselves to open the UCLA Olympic Analytical Lab in 1982, to help with the drug testing process.

During the games UCLA was able to detect the use of performance enhancing drugs in 12 athletes. They tested positive for banned substances such as; Nandrolone, Methenolone, Testosterone and Ephedrine. The organizers of the Los Angeles games had refused to provide the International Olympic Committee doping authorities with a safe prior to the start of the games. Due to a lack of security, medical records were subsequently stolen. Thankfully in today's world, we have technology and highly secure systems in place that prevents such accidents from happening.



Our very own **Dr. Anthony Butch** was featured in a Fox Sports giving a play by play of UCLA's role in testing all the participating Athletes. The UCLA Olympic Analytical Laboratory, the largest World Anti-Doping Agency, was the first U.S. laboratory accredited by the International Olympic Committee. His research activities are centered on improving methods to detect doping in sports in order to stay ahead of athletes who take advantage of new drug developments to gain a

competitive edge.

The video clip featured on Fox Sports.com went into detail about the process our lab goes through to prevent any sabotage or misreading in order to ensure accurate results for the Olympic community. In addition, the lab performs drug testing for a growing roster of national and international sports organizations, including the National Collegiate Athletic Association since 1986, National Football League since 1990, Minor League Baseball since 2004, and other major sporting events, such as the 1994, World Soccer Cup. The facility also conducts testing for numerous universities, various law enforcement agencies and the U.S. Department of Defense. If it is in the area and they need a rapid turnaround rate, it will be sent to the UCLA Olympic Analytical Lab.



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Care Harbor Clinic: Giving Help and Hope to Thousands at the LA Sports Arena

Where:
The Los Angeles Sports Arena
3939 South Figueroa Avenue
Los Angeles, CA

When:
Thursday thru Sunday, September 27 -
September 30 at 7:00 am to 5:00 pm

On-Site Services

Healthcare and educational services will include:

- Medical
- Dental
- Vision
- Immunizations
- Acupuncture
- Mammograms
- Pap smears
- Women's health screenings
- Educational exhibits
- Mental health counseling
- Financial counseling
- Patient lectures
- Caregiver support



**LOS ANGELES
SPORTS ARENA
Sept. 27- 30 2012**

Free Medical,
Dental
and
Vision Care



Click here for more information:

<http://www.careharbor.org/la/index.html>

Please contact Mary Levin if you would like to volunteer!!
Her number is 310-825-6207 and can also be reached at mlevin@mednet.ucla.edu

You can't live a perfect day without doing something for someone who will never be able to repay you.

John Wooden

Operations Management: Hallway Beautification Project

Attention all Artists: Your art can be featured in the display cases located along the CHS 1-3 corridor!

This is an opportunity to share what is meaningful to you as an individual, to showcase the richness and meaning of the work we do, and provide a glimpse beyond the multi-dimensionality of our richly diverse and talented community members.

- ◆ Any acceptable form of artistic expression or hobby is eligible
- ◆ Open to ANYONE affiliated with the department : staff, faculty, students, volunteers, emeritus, and retirees
- ◆ Pieces will be rotated
- ◆ Application available at <http://www.intrapathnet.medsch.ucla.edu/news/Hallway%20Beautification%20Proj%20Website.pdf>
- ◆ For more information, please see the Pathology Interpathnet Homepage or contact: pfacilities@mednet.ucla.edu



Nichole Valenzuela
Ph.D. Candidate



Serge Alexanian M.D.'s
PGY-4 Chief Resident



**The next artwork rotation is coming soon,
don't miss your chance to display your talent!**

**On behalf of the Department of
Pathology and Laboratory Medicine,
it is a pleasure to announce:
The CLS Class of 2012!**



Lindsay Arnett

Grew up in Los Angeles County. She worked in a clinical laboratory for 3 years, and found clinical laboratory science to be incredibly challenging, while very rewarding environment where the fusion of her three favorite fields of study unite - medicine, sci-

ence and education. She loves UCLA because every day, she is greeted with smiling faces and helpful personnel. When she isn't studying she tries to spend any available moment with my family! She also enjoys anything outdoors; beach volleyball, hiking, soccer, flag football, and biking. She enjoys

social gatherings at BBQs, live music venues, art walks, and more. In five years, she hopes to be employed as part of the UCLA team as a Clinical Laboratory Scientist. She also hopes to explore the educational training branch that is offered within the field educational the field.



Maria Jesusa (Jes) DeLaCruz

Grew up in the Philippines and attended college majoring in Clinical Science. When she moved to the US, with the encouragement of her family, she decided to continue her studies at Cal State Dominguez Hills. So far, this internship at UCLA has been very re-

warding for Maria and everybody has been very supportive and encouraging. She feels the people around her are investing in her and that makes her want to strive harder. In her spare time, Maria makes sure to spend it with my family. She also engages in other recreational activities such

as church ministry, reading, cooking and photography. In five years, her plan is to further enhance her career either by specializing or exploring laboratory management.



Jimmy Tang

Was born in Taiwan and immigrated to the US in 1993 to Hacienda Heights, CA. He started studying CLS because he always wanted to work in the medical field. After various college laboratory courses, he knew he belonged in a laboratory setting. So far, UCLA has

been GREAT for Jimmy! The facilities are well equipped and the faculty is the best there is. When Jimmy is not studying at a nearby Starbucks. He likes to watch movies, exercise, and cook with his girlfriend. His typical weekly routine includes trips to the gym or jogging around the neighbor-

hood. In five years, Jimmy sees himself working as an efficient and effective Medical Technologist. It will allow him to start a family, be financially stable, and perhaps purchase a home. UCLA would be his first choice to start his career as a MT.



Jillian (Jill) Romero

Grew up in the San Fernando Valley, California. She chose CLS because of her passion for science, specifically the medical field. Her Dad is a retired Med Tech, she grew up hearing about all the fascinating lab work

he was doing and she decided to follow in his footsteps. So far, her experience at UCLA has been amazing. She is both honored and thankful that such an impressive facility would allow her to train at UCLA. When Jill is not studying she enjoys

going to the beach/pier any chance she gets. She also tries to find time to practice yoga. Five years from now she hopes to have passed the licensure exam and work in a hospital laboratory.



Julie Fairbanks

Was born in Pensacola, Florida, and grew up in Guaymas, Mexico, Merritt Island, Florida, and Barstow, California. She worked as a Clinical Laboratory Technician for a number of years and enjoyed the laboratory environment. A couple of years ago,

had an opportunity to return to school to complete the CLS requirements. So far, she is impressed by how knowledgeable and professional her trainers have been. She is looking forward to gaining as much as possible from each rotation. Everyone has made her feel welcome.

When she is not studying, she stays in shape with weight workouts, indoor cycling, and walking, however her real love is hiking. She has hiked to the top of Half-Dome and Mt. Whitney. In five years she hopes to be employed as a CLS, happily working away.



Jenny Tan

Was born and raised in Los Angeles. Jenny was always interested in pursuing a career in science. While an undergrad she found out about Clinical Laboratory Scientists. She then began working at UCLA as a Hospital Lab Technician in Component Processing after graduation. After-

wards, she was fully convinced to go back to school to become a CLS. UCLA has been Jenny's home since 2004; she really loves the community and the surrounding areas. Jenny feels that everyone has been extremely helpful throughout the department and is excited to continue to learn from them. In her spare

time, she likes to watch movies and to spend time with her friends, occasionally play tennis and keep up with her hip hop class. Although she doesn't have every detail planned out, the next years will be a learning experience that will help her determine the direction of her career and the new goals to set.

On behalf of the Department of Pathology and Laboratory Medicine, it is a pleasure to announce New Members to the Team

Markus Avery, Director of Personnel and Payroll Services



Markus is a returning staff member. Some may remember from 2004-2008 he was the manager of the Surgical Pathology Reporting Office and Transcription Office; it was then he implemented the digital dictation system. In 2009, he transferred to the Compliance Department, which has oversight of the Health System and the

School of Medicine. In October 2010 received his Certification in Healthcare Privacy Compliance through the Health Care Compliance Association (HCCA). His Compliance duties included presenting to new hires at orientation; refresher trainings at System-wide meetings; investigations related to privacy incidents; and making

workplace recommendations to help ensure patients' privacy and security of patients' information. He recently completed a degree in Health Information Technology from Santa Barbara City College. Markus is excited to meet his new Personnel staff and collaborate with faculty to support the Department.

Karyn Greenstone, Assistant to the Chair Dr. Jonathan Braun



Karyn has been with the Health System for over two years, having previously worked in Human Resources and Administration, most recently as Administrative Assistant for Chief Operating Officer, Shannon O'Kelley. For Karyn it is really interesting to get to know UCLA from the School of Medicine

perspective. Karyn grew up in Southern California and has a Bachelor's degree in Business Administration from the University of Southern California. When not at work, she enjoys spending time with her husband, three children (two of whom are now in college), three dogs and friends. In addition

to assisting Dr. Jonathan Braun, she will focus on Alumni Relations, Development and Strategic Plan implementation. Her ideal working environment is one where people have a good team spirit and are comfortable sharing information and ideas.

Kavita Aggarwal, Senior CLS Supervisor



Kavita grew up in Mumbai, India and moved to US in 1987 first stopping in San Jose where she graduated with a Bachelors in Microbiology and a second Bachelors Clinical Lab science from San Jose State. She then moved to LA when she got married in 1994. Kavita has two kids, a son who is

17 and a daughter who is 13. Kavita joined UCLA to be a part of one of the most reputable hospitals in the area, also to work in a professional, educational, and service oriented environment with innovative diagnostic testing. So far, her experience at UCLA has been amazing, she is learning

from her co-workers who have been very helpful and welcoming. When Kavita is not working, she does charity work with Caring Hand Organization for educating children in India. Her ideal work environment is one where everybody is a team player.

Tina Ganjifard, Administrative Specialist in the Pathology Business Office



Tina who is new to UCLA Health Systems, supports the four major departments of the business office including: Clinical Finance, Personnel and Payroll, Sales and Service/Purchasing, and Research Administration. She studied Political Science and minored in Business Administration at Cal State Fuller-

ton. She has worked in hospitality which has molded her customer service skills and she plans to bring that background to UCLA and the Pathology Department Business Office. With a passion for healthcare management, Tina chose Pathology over all the different fields because of the frontline

role pathology plays with patient diagnosis and managing a patient's health. Tina will also be taking care of the Pathology Newsletter so feel free to forward her any stories you would like to share with other members of the pathology department.

Please welcome the new members of Pathology & Lab Medicine...



Back Row: William Magtoto, Breanna Grosz, Matthew Weldon, Carlos Medina, John Sylvain
Front Row: Kavita Aggarwal, Shalote Tabot, Anna Stock, Belinda Wright

If you see anyone of these people walking around Westwood or Santa Monica, don't hesitate to say hi!

With CAP inspections about to occur, we look back at the ASHI Inspections



Doreen in the front right, and Anh in the front left. In the back seated from left to right is Sean, Peter and David, and the man standing up is Rodel.

By: Debra LaCava
 Manager, Immunogenetics Lab



Jackie running tests while Ray (left) and Carlos work together in the background.

The UCLA Immunogenetics Center supports several transplant programs in Southern California, as well as performing tests for centers across the country and around the world. Our state of the art technology and comprehensive quality assurance program sets us apart from other labs of its type. But even the best are put to the test, and there is no greater test than an accreditation inspection.

Preparing for a Laboratory inspection is hard work, and keeping a lab inspection ready at all times is not a simple task. It seems an uphill battle that ends with a sigh of relief as the inspectors complete their exit interview with the staff. But for the staff members of the Immunogenetics Center at UCLA, the continued preparation was rewarded. On May 23rd and 24th, 2012, the American Society

for Histocompatibility and Immunogenetics (ASHI) performed an onsite inspection of the UCLA Immunogenetics Center. ASHI accredited labs hold deemed status with The Centers for Medicare and Medicaid (CMS), National Marrow Donor Program (NMDP), United Network for Organ Sharing (UNOS), and the States of California, Florida, Oregon and Washington. The Joint Commission on Accreditation of Healthcare Organizations (JCAHO) also recognized ASHI Accreditation with Complimentary status.

The inspectors spent two days reviewing protocols, quality management records, proficiency testing results and maintenance schedules. They also spent a great deal of time observing our technologists while they performed tests such as sequence based HLA typing and flow cytometry cross match-

ing. Everyone shared their knowledge by answering questions and discussing our processes; helping the inspectors gain a clear picture of the work that we do. At the end of the second day, the inspection was completed and during the wrap up, the inspectors complimented our staff on their professionalism, expertise and the breadth of their knowledge. They thanked our staff for assisting them in completing the inspection in a timely manner. In the end, all of the hard work paid off. We were informed that during the course of the inspection, no deficiencies were found in the lab. Everyone in the lab is to be commended for this great inspection! Thank you to the faculty and staff who make the Immunogenetics Center at UCLA inspection ready every day!

Awards and Honors: Recognition in the Department of Pathology



Wayne W. Grody, M.D., Ph.D. 2012 Leadership Award



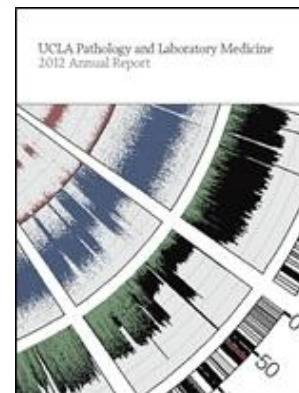
Dr. Wayne Grody has been chosen from a field of truly outstanding nominees to receive the 2012 Leadership Award - AMP's highest honor. Wayne W. Grody is a Professor in the Departments of Pathology & Laboratory Medicine, Pediatrics, and Human Genetics at the UCLA School of Medicine. Wayne is a "household name" in molecular diagnostics, and has been a leader to the AMP membership even before AMP existed - as an active participant in the molecular diagnostics workshops in Bethesda in the early 1990s. He has served in formal AMP leadership roles in 1999 as Clinical Practice Chair, 2003 Genetics Nominating Committee

Representative and as 2005-2006 Professional Relations Committee Chair. He has had enormous influence on the field of molecular diagnostics through his work on the ACMG/ACOG cystic fibrosis mutation selection panel, the CAP Molecular Pathology Committee, the CAP/ACMG Biochemical and Molecular Genetics Committee, the Molecular Genetic Pathology Test Committee of the American Board of Pathology and the American Board of Medical Genetics, and as a consultant and committee member for numerous government agencies including the NIH, FDA, CDC and VA. He is certified by the American Board of Pathology (Anatomic and

Clinical Pathology, Molecular Genetic Pathology) and the American Board of Medical Genetics (Clinical Genetics, Molecular Genetics, and Biochemical Genetics). Wayne is a man whose life demonstrates the ideals of professional excellence, personal integrity, and selfless service to others. Those of us who know him well inevitably find ourselves more than a little awestruck at how one man can do so much, so well, for so many. We are truly privileged to have Wayne as a leader, a mentor, and a friend. It is thus genuinely an honor to announce his selection for this award.

Remember: To check out UCLA Pathology and Laboratory Medicine 2012 Annual Report

Click on the report icon for the link!



Congratulations Grads! Clinical Laboratory Scientist Class of 2012!

From left to right: Brian Bowland-Hicks, Amy Do, Amber Moore, Andrew Tate, Carlos Garibay, and Carlos "Eduardo" Azucena celebrated on July 11 after earning their Certificates of Completion at the UCLA Clinical Laboratories.

PATHOLOGY RESEARCH ALUMNI COMMITTEE

One of the goals of the Pathology Research Alumni Committee is to highlight publications from our current and recently former graduate students, postdoctoral fellows, and residents in the departmental newsletter. If anyone has additional publications (newly published, first-author only) that should be highlighted, please contact Doug Smoot (dsmoot@mednet.ucla.edu) or Christina Kim (ckkim@mednet.ucla.edu).

-- Joshua Deignan, PhD, FACMG
Assistant Professor, Pathology & Laboratory Medicine
Chair, Pathology Research Alumni Committee



PUBLICATIONS:

March 2012—August 2012



GSRs:

Jin Zhang – recent CMP grad (Michael teitell lab)

Measuring energy metabolism in cultured cells, including human pluripotent stem cells and differentiated cells.

Zhang J, Nuebel E, Wisidagama DR, Setoguchi K, Hong JS, Van Horn CM, Imam SS, Vergnes L, Malone CS, Koehler CM, Teitell MA.

Nat Protoc. 2012 May 10;7(6):1068-85. doi: 10.1038/nprot.2012.048.

Julia Goodnough – recent CMP Student (Tomas Ganz lab)

Inhibition of hepcidin transcription by growth factors.

Goodnough JB, Ramos E, Nemeth E, Ganz T.

Hepatology. 2012 Jul;56(1):291-9. doi: 10.1002/hep.25615. Epub 2012 Jun 18.

Shawn Morales – recent CMP grad (Jonathan Braun lab)

Anti-EMP2 diabody blocks epithelial membrane protein 2 (EMP2) and FAK mediated collagen gel contraction in ARPE-19 cells.

Morales SA, Telander DG, Mareninov S, Nagy A, Wadehra M, Braun J, Gordon LK.

Exp Eye Res. 2012 Sep;102:10-6. Epub 2012 Jun 19.

Ronik Khachatoorian – current GSR (Samuel French lab)

A cell-permeable hairpin peptide inhibits hepatitis C viral nonstructural protein 5A-mediated translation and virus production.

Khachatoorian R, Arumugaswami V, Ruchala P, Raychaudhuri S, Maloney EM, Miao E, Dasgupta A, French SW.

Hepatology. 2012 Jun;55(6):1662-72. doi: 10.1002/hep.25533. Epub 2012 Jan 30.

Post Docs:

Paula Cabrera - recent postdoc (Linda Baum lab)

High throughput screening for compounds that alter muscle cell glycosylation identifies a new role for N-glycans in regulating sarcolemmal protein abundance and laminin binding.

Cabrera PV, Pang M, Marshall JL, Kung R, Nelson SF, Stalnaker SH, Wells L, Crosbie-Watson RH,

Baum LG.

J Biol Chem. 2012 May 8. [Epub ahead of print]

Sangderk Lee – recent postdoc (Judith Berliner lab)

Metalloproteinase processing of HBEGF is a proximal event in the response of human aortic endothelial cells to oxidized phospholipids.

Lee S, Springstead JR, Parks BW, Romanoski CE, Palvolgyi R, Ho T, Nguyen P, Lulis AJ, Berliner JA.

Arterioscler Thromb Vasc Biol. 2012 May;32(5):1246-54. Epub 2012 Mar 8.

Beata Berent-Maoz - current postdoc (Ken Dorshkind lab)

Fibroblast growth factor-7 partially reverses murine thymocyte progenitor aging by repression of Ink4a.

Berent-Maoz B, Montecino-Rodriguez E, Signer RA, Dorshkind K.

Blood. 2012 Jun 14;119(24):5715-21. Epub 2012 May 3.

Boxiao Ding – recent postdoc (Jiaoti Huang lab)

Overexpression of SKI oncoprotein leads to p53 degradation through regulation of MDM2 protein sumoylation.

Ding B, Sun Y, Huang J.

J Biol Chem. 2012 Apr 27;287(18):14621-30. Epub 2012

Sangderk Lee - recent postdoc (Judith Berliner lab)

Role of phospholipid oxidation products in atherosclerosis.

Lee S, Birukov KG, Romanoski CE, Springstead JR, Lulis AJ, Berliner JA.

Circ Res. 2012 Aug 31;111(6):778-99.

Xiaohai Zhang – recent postdoc (Elaine Reed lab)

HLA Class I: An unexpected role in integrin β 4 signaling in endothelial cells.

Zhang X, Reed EF.

Hum Immunol. 2012 Jul 10. [Epub ahead of print]

Xiaohai Zhang – recent postdoc (Elaine Reed lab)

HLA class I antibody-mediated endothelial and smooth muscle cell activation.

Zhang X, Valenzuela NM, Reed EF.

Curr Opin Organ Transplant. 2012 Aug;17(4):446-51.

Li Zhang - current postdoc (Peter Tontonoz lab)

Feedback Regulation of Cholesterol Uptake by the LXR-IDOL-LDLR Axis.

Zhang L, Reue K, Fong LG, Young SG, Tontonoz P.

Arterioscler Thromb Vasc Biol. 2012 Aug 30. [Epub ahead of print]

Virawudh Soontornniyomkij – recent postdoc (Harry Vinters lab)

Increased cortical expression of FK506 binding protein-51 in HIV-associated neurocognitive disorders.

Soontornniyomkij V, Everall IP, Moore DJ, Gouaux B, Tatro ET, Gospodarev V, Masliah E, Yin NS, Vinters HV, Achim CL.

J Neurovirol. 2012 Aug;18(4):313-22. Epub 2012 Jan 11.

Residents/Fellows:

Stephen Koh – recent Fellow

Differential gene expression profiling of primary cutaneous melanoma and sentinel lymph node metastases.

Koh SS, Wei JP, Li X, Huang RR, Doan NB, Scolyer RA, Cochran AJ, Binder SW.

Mod Pathol. 2012 Jun;25(6):828-37. doi: 10.1038/modpathol.2012.32. Epub 2012 Mar 9.

Aaron Wagner – recent Fellow

Intimal thickening of meningeal arteries after serial corticectomies for Rasmussen encephalitis.

Wagner AS, Yin NS, Tung S, Mathern GW, Vinters HV.

Hum Pathol. 2012 Aug;43(8):1308-13. Epub 2012 Mar 7.

Gregory Fishbein – current Resident

Morphologic and immunohistochemical findings in antibody-mediated rejection of the cardiac allograft.

Fishbein GA, Fishbein MC.

Hum Immunol. 2012 Jul 16. [Epub ahead of print]

September is Leukemia & Lymphoma Awareness Month



By: Tina Ganjifard, Administrative Specialist

September marks Leukemia and Lymphoma Awareness Month, and at UCLA's Department of Pathology and Laboratory medicine, we have some of the premiere world experts in the diagnosis of leukemia and lymphoma who are working hard to find a cure. Leukemia and lymphoma are usually diagnosed in patients after blood counts and additional diagnostic studies. The symptoms are non-specific, but can include easy bruising, feeling extremely fatigued, fever, swelling of lymph nodes that doesn't resolve and night sweats. Routine screening for these cancers of the blood and lymph nodes is not generally performed, and the symptoms can be quite variable.

Dr. Jonathan Said and Dr. Steve Lee, combined have over 75 years of experience in the diagnosis of these cancers. In the Department of Pathology and Laboratory Medicine, Dr. Gay Crooks is a world expert in hematopoietic stem cell transplantation, Dr. Mike Teitell has made seminal contributions to lymphoma research, Dr. Kenneth Dorshkind is an international authority on hematopoietic development and Dr. Dinesh Rao works on the role of non-coding RNA in leukemia and lymphoma. Clinically we are at the forefront of diagnostic testing for these cancers and can help guide treatment discussions with a treating hematologist/oncologist. The cytogenetics lab and the molecular pathology laboratories, led by

Dr. Nagesh Rao and Dr. Wayne Grody, perform numerous cutting-edge diagnostic testing that has been developed and validated at UCLA.

UCLA is at the forefront of research in leukemia and lymphoma. In the past, UCLA has played a leading role in the development of the first molecularly targeted therapy in leukemia- Gleevec, which has saved the lives of thousands of patients with leukemia. We are lucky to be a part of a Health System that not only treats patients, but continuously innovates testing and therapy for patients.



Leukemia • Hodgkin Lymphoma • Non-Hodgkin Lymphoma • Myeloma

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of topics for future newsletters. Email
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