

Analiese DiConti-Gibbs, M.D.

Training

Resident Physician, Los Angeles County + University of Southern California, Los Angeles, CA

- ❖ Department of Internal Medicine (2015-2018)
- ❖ Planned: Chief Resident (2018-2019)
- ❖ Received Excellence in Primary Care Award (May 2017) which is awarded to one resident from each level quarterly
- ❖ Received Junior Resident of the Year (June 2017) which is awarded to two junior residents each academic year

Education

Keck School of Medicine of the University of Southern California, Los Angeles, CA

- ❖ Doctor of Medicine, May 2015

Massachusetts Institute of Technology, Cambridge, MA

- ❖ Bachelor of Science in Biological Engineering, Biology, June 2010
- ❖ GPA: 4.6/5.0

Research Experience

Brain-Body Dynamics Lab, Viterbi School of Engineering of USC (May 2012-May 2015)

Medical Student Researcher, *Mentor: Dr. Francisco Valero-Cuevas, Ph.D.*

- ❖ Coordinator of a clinical trial quantifying dexterity of hand function in patients with Parkinson's Disease.
- ❖ Working with and improving current technologies and relating them to the medical field.
- ❖ Improving assessment and diagnosis of patients with Parkinson's Disease

Health, Technology, and Engineering at USC (Aug 2011-present)

Non-certificate Program, *Mentor: Dr. George Tolomiczenko, Ph.D. and Dr. Terry Sanger, M.D.*

- ❖ New interdisciplinary educational program from medical students at Keck School of Medicine and USC Viterbi School of Engineering.
- ❖ MD and PhD candidates work together on a design project to fill a need in the medical community.

Retina Center, Children's Hospital Los Angeles (June 2010-July 2011)

Research Specialist, *Mentor: Dr. Thomas Lee, M.D.*

- ❖ Purpose of the study was development of novel human model for retinoblastoma.
- ❖ Successfully, reprogrammed orbital adipose tissue from retinoblastoma patients into induced pluripotent stem cells for study, a technology that had never been used before in this laboratory.

MIT Center for Environmental Health Sciences (Sept 2008-May 2009)

Undergraduate Researcher, *Mentor: Dr. Leona Samson, Ph.D.*

- ❖ Assisted two Ph.D. candidates with the purpose of creating a computational model to predict the fate of a cell after DNA damage.
- ❖ Designed a protein knock down experiment using RNAi to observe cell death under modified conditions.

Beckman Research Institute/City of Hope (Aug 2007, Sept -Aug 2008)

Student Researcher, *Mentors: Dr. Michael Barish, Ph.D. and Dr. Karen Aboody, M.D.*

- ❖ Observation of glioma and neural stem cell interactions *in vitro* to determine the mechanism of action as seen *in vivo* in a clinical trial by Dr. Karen Aboody.

Presentations and Posters

Morbidity and Mortality Conference, LAC+USC Grand Rounds (November 2016)

- ❖ "A physician's toolbox for dealing with difficult families." A DiConti, A Storms, G Rossetti

Academic of Morbidity and Mortality Conference, LAC+USC Grand Rounds (November 2016)

- ❖ "Myasthenia Gravis as a cause of respiratory failure in a patient with thymoma." A DiConti-Gibbs, G Rossetti

Association for Research in Vision and Ophthalmology Conference (May 2012)

- ❖ "Manipulation Of Gene Expression In Orbital Adipose-derived Mesenchymal Stem Cells From Retinoblastoma Patients Using Lentiviral Vectors." D Wu, J Aparicio, A DiConti, N Harutyunyan, and T Lee.

World Stem Cell Summit (Oct 2011)

- ❖ "Retinoblastoma Disease Modeling using Patient Derived Pluripotent Stem Cells to Generate RB1 Deficient Retinal Progenitor Cells." J Aparicio, A DiConti, N Harutyunyan, and T Lee.

Leadership Experience and Service

Innovation in Medicine at Keck, Secretary (Sept 2011-May 2013)

- ❖ Founding membrane of a student interest group.
- ❖ Goal to inform future physicians about available technologies in medicine available to them and their patients.

Pediatric Service Groups: Reach out and Read and Tom Bradley Tutor (Sept 2011-May 2012)

- ❖ Read to children at LAC+USC during lunch time
- ❖ Taught 4th and 5th graders about science and medicine at Tom Bradley Elementary School in Los Angeles. Children's Hospital Los Angeles, Play Room Attendant (Oct 2010-July 2011)
- ❖ Monitored the Hem-Onc floor playroom and played with children while their parents were away.

MIT Women's Water Polo Club, Captain and President (Sept 2007-May 2010)

- ❖ As president, organized tournaments, fundraisers, and team events.
- ❖ Established the Alumni Relations Program which generated a 500% increase in donations through alumni events, sponsorships, and creating a newsletter.

MIT BrainTrust, Brain Injury Survivor Liason (Jan 2009-May 2010)

- ❖ Raised awareness for issue in neuroscience and brain injury survivors.
- ❖ Organized events for area brain injury survivors and coordinated their participation in events.

Reach out and Read (Sept 2011-present)

- ❖ Read to children at LAC+USC during lunch time once or twice a month

Glendale Adventist Medical Center, Physical Therapist Assistant (June-Aug 2009)

- ❖ Assisted physical therapists in the inpatient ward.
- ❖ Helped patients at bedside when they were frustrated or just needed to talk.

Phi Delta Theta Philanthropy (Sep 2007-May 2009)

- ❖ Assisting fraternity with organization and running of various philanthropic events, including, building toys for kid at Christmas, organizing community haunted houses, and arts and crafts with community centers

Teaching Experience

MIT Biological Experimentation, Teaching Assistant (Aug-Dec 2009)

- ❖ Assisting students in the lab with three major modules: protein engineering and biochemistry, screening and purification, and genetics and mapping with *C. elegans*.
- ❖ Grading student lab write-ups and holding review sessions.

Languages Spoken

- ❖ **Spanish** – speak, read and write at the moderate to advanced level
- ❖ **Italian** – speak at the beginners level

Skills and Assets

- ❖ **Spanish Speaking:** conversation and medical Spanish at a proficient level
- ❖ **Computer:** Intermediate level programming in python and MATLAB, Quick to learn new programs
- ❖ **Laboratory:** Techniques in stem cell culture, induced pluripotent stem cell (iPSC) reprogramming, vector construction, tissue culture with human lines, basic molecular biology methods. Basic engineering techniques in optics, circuitry design, and laser imaging.

Awards and Honors

Academic

- ❖ National Society of Collegiate Scholars (Oct 2007-May 2010)
- ❖ RC Byrd Scholarship Award Winner for Academic Excellence (2006)

Athletic

- ❖ Captain of Women's Water Polo Club Team (Sept 2007-May 2010)
- ❖ North Atlantic Division First Team (2008,2009,2010)
- ❖ North Atlantic Division Second Team (2007)

Interests

- ❖ NCAA Football, House Renovation Projects, European History, New cooking techniques and trying new recipes