

Ruzbeh Mosadeghi

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Training

2019-present **University of California, San Francisco,**
San Francisco, CA
Fellow in Gastroenterology

2017-2019 **New York Presbyterian Hospital,**
New York, NY
Resident in Internal Medicine

2017-2019 **Columbia University Medical Center,**
New York, NY
Postdoctoral Residency Fellow

Education

May 2017 **Keck School of Medicine of the University of Southern California,**
Los Angeles, CA
Doctor of Medicine

June 2015 **California Institute of Technology,**
Pasadena, CA
Doctor of Philosophy, Biology
"Mechanistic Dissection of the Cop9 Signalosome's Deneddylation Activity on Cullin-RING Ligases"

June 2008 **University of California, San Diego,**
La Jolla, CA
Bachelor of Science, *magna cum laude*, Biochemistry and Cell Biology

Honors and Awards

2016 Alpha Omega Alpha, Keck School of Medicine

2011 – 2012 Lee Ramo Health Sciences Fund
» *Research Stipend for MD-PhD Student at Caltech*

2010 – 2011 NIH T32 Training Grant, 5T32GM007616-33

2009 & 2010 Dean's Recognition, Keck School of Medicine

2009 Association of Pathology Chairs Honor Society, Keck School of Medicine

- 2008 Outstanding Academic Achievement in Biochemistry and Cell Biology,
UC San Diego
» *Highest GPA in Major*
- 2008 Phi Beta Kappa Society
- 2006 Chancellor's Undergraduate Research Scholarship, UC San Diego
- 2005 Copley Foundation Undergraduate Research Fellowship, Human BioMolecular Research
Institute

Research Experience

- 2017 – 2018 Postdoctoral Researcher, Columbia University Medical Center,
Group of Benjamin Lebwohl
- 2010 – 2015 Graduate Student, California Institute of Technology, Laboratory of Raymond J. Deshaies
- 2006 – 2008 Undergraduate Researcher, University of California San Diego, Laboratory of Thomas J. Kipps
- 2005 – 2006 Undergraduate Researcher, Human BioMolecular Research Institute,
Laboratory of John R. Cashman

Peer-Reviewed Publications

Mosadeghi, R., Reichermeier, K.M., Winkler, M., Schreiber, A., Reitsma, J.M., Zhang, Y., Stengel, F., Cao, J., Kim, M., Sweredoski, M.J., Hess, S., Leitner, A., Aebersold, R., Peter, M., Deshaies, R.J., and Enchev, R.I. Structural and kinetic analysis of the COP9-Signalosome activation and the cullin-RING ubiquitin ligase deneddylation cycle. *eLife*. 2016; 5:e12102.

Li, L., Zhang, J.A., Dose, M., Kueh, H.Y., **Mosadeghi, R.**, Gounari, F., and Rothenberg, E.V. A far downstream enhancer for murine Bcl11b controls its T-cell specific expression. *Blood*. 2013; 122(6): 902-11.

Emberley, E.D. *, **Mosadeghi, R.** *, and Deshaies, R.J. Deconjugation of Nedd8 from Cul1 is directly regulated by Skp1-F-box and substrate, and the COP9 signalosome inhibits deneddylated SCF by a noncatalytic mechanism. *J Biol Chem*. 2012; 287 (35): 29679–29689. *Co-first Author

Zhang, J., Cerny, M.A., Lawson, M., **Mosadeghi, R.**, Cashman, and John R. Functional Activity of the Mouse Flavin-containing Monooxygenase Forms 1, 3, and 5. *J Biochem Mol Toxicol*. 2007; 21 (4): 206-15.

Abstracts

Reichermeier, K.M., **Mosadeghi, R.**, Enchev, R.I., Peter, M., and Deshaies, R.J. Analysis of CSN activation and the cullin-RING ligase deneddylation cycle. Keystone Symposium, Ubiquitin Signaling. Whistler, British Columbia, Canada. 2016.

James, D.F. Choi, M.Y., Betty, M., **Mosadeghi, R.**, and Kipps, T.J. Primary chronic lymphocytic leukemia (CLL) cells survival support from NLC and SDF1a (CXCL-12) in vitro and the effect of lenalidomide (LEN). *J Clin Oncol (Meeting Abstracts)* 2008; 26: 7070.

James, D.F., Betty, M.R., **Mosadeghi, R.**, Choi, M.Y., and Kipps, T.J. Lenalidomide Abrogates the Protective Influence of Nurse-Like Cells on Primary Chronic Lymphocytic Leukemia Cells In Vitro. American Society of Hematology. Annual Meeting. Atlanta, GA. 2007.

James, D.F., Mervis, R.M., **Mosadeghi, R.**, and Kipps, T.J. AT-101, A Pan-inhibitor of Bcl-2 family Anti-apoptotic Proteins Antagonizes the Protective Effect Conferred by Nurse-like cells on Primary Chronic Lymphocytic Leukemia Cells. American Society of Hematology. Annual Meeting. Orlando, FL. 2006;

Teaching Experience

2011-2014 Teaching Assistant, California Institute of Technology, Human Physiology

Leadership and Service

2014 American Physician Scientists Association West Regional Conference, Chair,
» *Organized the joint USC-Caltech/APSA MD-PhD Symposium*

2008 – 2010 California Students Physicians for Healthcare Reform (CSPHR),
Director of Programing (2009-2010),
» *Advocated for healthcare expansion*

Personal Interest

SCUBA diving, skiing, hiking, fishing, cooking,

Languages

English and Farsi