

Anobel Tamrazi, MD, PhD

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Professional Experience

Palo Alto Medical Foundation Vascular and Interventional Radiology Physician	Redwood City, California May 2017 – Present
VA Palo Alto Health Care System Vascular and Interventional Radiology Physician	Palo Alto, California October 2016 – March 2017
Tamrazi Medical Corporation Vascular and Interventional Radiology Physician	Redwood City, California February 2016 – April 2017
Kaiser Permanente, Santa Clara Medical Center Vascular, Interventional and Diagnostic Radiology Physician	Santa Clara, California February 2016 – April 2017
The Johns Hopkins Hospital Vascular and Interventional Radiology Faculty, Assistant Professor	Baltimore, Maryland August 2013 – November 2015

Education

Stanford University Medical Center Vascular and Interventional Radiology Fellowship	Stanford, California July 2012 – June 2013
Stanford University Medical Center Radiology Residency Awards of Note: Chief Resident (2010/2011) Consultant of the Year (2010/2011)	Stanford, California July 2008 – June 2012
Yale New Haven Health, Greenwich Hospital Internal Medicine Internship	Greenwich, Connecticut July 2007 – June 2008
University of Illinois at Urbana Medical Scholars (MD/PhD) Program College of Medicine: MD Awards of Note: Graduated with Honors (2007) Alpha Omega Alpha Society Award (2007) College of Chemistry: PhD , Organic Chemistry Dissertation: <i>Fluorescent-labeled estrogen receptors: Molecular sensors of receptor structure and function.</i>	Urbana, Illinois August 2003 – May 2007 August 1998 – January 2003
San Jose State University B.S. Biology, B.A. Chemistry Concentrations: Systems Physiology and Biochemistry Awards of Note: IBM Research Fund (1998) President's Scholar Award (1998) Research Corporation Fund (1997) Neptune Fund Scholarship for Research (1997) Dean's List (1996)	San Jose, California August 1994 – May 1998

Board & USMLE Certification

ABR Certificate Vascular and Interventional Radiology Oral Board Exam	2016
American Board of Radiology Oral Board Exam	2012
American Board of Radiology Written Board Exam	2011
American Board of Radiology Physics Exam	2009
USMLE Step 3	2008
USMLE Step 2 CK	2007
USMLE Step 2 CS	2007
USMLE Step 1 CK	2005

Professional Experience

Clinical Research

- Pharmacomechanical Pulmonary Embolism Thrombolysis** January 2014 – November 2015
The Johns Hopkins Hospital Baltimore, Maryland
- Hopkins P.I. of OPTALYSE PE (OPTimum duration of Acoustic pulse thromboLYSis procEdure in the treatment of acute submassive Pulmonary Embolism) multicenter trial.
 - Helped bring a newly approved infusion catheter (EKOS) to Hopkins. EKOS catheters allow for mechanical and pharmacological thrombolysis.
 - Standardized treatment protocol for patients with Massive and Submassive Pulmonary Embolism at Hopkins Interventional Radiology.
- Developed Novel BioOrganic Sealant for Enterocutaneous Fistulas** October 2013 – November 2015
The Johns Hopkins Hospital Baltimore, Maryland
- Worked with FDA approved biological and organic sealants to develop new BioOrganic Sealant for fistula closure.
 - Developed novel Co-Axial technique to deliver sealant at site of leak and along the fistula track.
 - Worked on modified BioOrganic Sealants with higher tensile strength and improved adhesive properties.
- Evaluating Locoregional Intra-Abscess Injection of Antibiotics** June 2014 – November 2015
The Johns Hopkins Hospital Baltimore, Maryland
- Along with a colleague in Hopkins Interventional Radiology (Dr. Brian Holly), arranged a multidisciplinary team to evaluate utility of locoregional direct intra-abscess antibiotic injection.
 - Potential to decrease morbidity and healthcare cost for treatment of intraabdominal infected collections.
- Hepatic-Pulmonary Shunts and Radioembolization** August 2012 – July 2013
Stanford University Stanford, California
- Worked with Dr. Daniel Sze.
 - Stanford experience with hepatic-pulmonary shunts and radioembolization.
 - Analyzed Stanford's data to identify technical solutions to minimize lung shunt fractions in radioembolization.
- FDG PET/CT utility for Molecular Imaging of Pain** February 2012 – June 2012
Stanford University Stanford, California
- Worked with Dr. Sandip Biswal.
 - Analyzed PET/CT studies to highlight possible sources of pain in patients with Hip Arthroplasty.

Clinical Utility of Eovist in Pediatric MR Imaging September 2009 – March 2010
Lucile Packard Children's Hospital Stanford, California

- Worked with Dr. Shreyas Vasanawala.
- Evaluated clinical added value of MR hepatobiliary contrast in pediatric cases.

Imaging Findings of H1N1 in Pediatric Patients May 2009 – August 2009
Lucile Packard Children's Hospital Stanford, California

- Worked with Dr. Beverley Newman.
- Analyzed complications in pediatric ICU patients with H1N1.

Translational Research

Novel Tumor Biopsy Techniques April 2014 – November 2015
The Johns Hopkins Hospital Baltimore, Maryland

- Developed very low risk, biopsy-free interventional radiology techniques to obtain high quality tumor samples for molecular diagnostics of tumor biology and treatment efficacy.
- Arranged collaboration with basic scientist microRNA (Dr. Ken Witwer), circulating tumor cells (Industry Collaborations), and ctDNA (Dr. Luis Diaz) experts at Hopkins to ensure success of this translational project.
- Was awarded the Hopkins Radiology Gatewood Fellowship Award as funding for this translational research idea.
- Completed Institutional Review Board and had numerous patients with focal tumors in various geographic locations with this technique to merge interventional radiology with molecular diagnostics.

Co-Student Fellow Liaison May 2005 – May 2007
Midwest Breast Cancer Institute (MBCI) Urbana, Illinois

- Facilitated interactions between regional clinicians and University of Illinois basic scientists to initiate translational research projects.
- Organized faculty research presentations to clinicians at regional hospitals.
- Coordinated and monitored collaborative translational projects and clinical sample distributions.

Basic Science Research

Novel Intra-Biliary Infusion Pump For Chronic Liver Diseases June 2014 – November 2015
The Johns Hopkins Hospital Baltimore, Maryland

- Evaluated potential for antegrade intrabiliary delivery of molecular targeting agents for chronic intrahepatic disease processes such as tumors, cirrhosis, and congenital hereditary disorders.
- Evaluated potential for percutaneous interventional radiology approach to gain antegrade percutaneous access into the biliary tree and demonstrate successful intrahepatic delivery of molecular agents.
- Evaluated potential for an implantable dual lumen intrabiliary infusion device to ensure repeat noninvasive access and delivery of molecular agents (siRNA, microRNA) for various chronic liver diseases.
- Collaborated with basic science experts at Hopkins (including Dr. Hai-Quan Mao) working on retrograde intrabiliary infusion of DNA nanoparticles.

- Postdoctoral Research Assistant, Juergen Willmann's Lab** July 2011 – June 2012
Stanford University Stanford, California
- Worked in the Willmann laboratory with collaborative efforts through the Canary Foundation toward loading and ultrasound activation of various vectors (DNA, RNA, small molecules) attached to microbubbles.
- Visiting Researcher, Sam Gambhir's Lab** June 2006 – August 2006
Stanford University Stanford, California
- Developed molecular estrogen receptor sensors at proteomic and genomic levels for molecular imaging of underlying estrogen biology in living subjects.
 - Arranged for collaboration between Gambhir and Katzenellenbogen laboratories.
- Postdoctoral Research Assistant, John A. Katzenellenbogen's Lab** May 2005 – June 2006
University of Illinois at Urbana Urbana, Illinois
- Consulted graduate students and postdoctoral fellows on daily research projects.
 - Arranged and guided research meetings with various molecular estrogen receptor projects.
- Site Scientist** May 2004 – May 2005
Radius Health (formerly Nuvios Incorporated) Boston, Massachusetts
- Studied morphology of receptor with novel compounds for treating and preventing osteoporosis and metabolic bone diseases.
 - Supervised staff and daily research operations at University of Illinois.
 - Developed fluorescent in vitro assays for nongenomic estrogen receptor signaling.
- Postdoctoral Fellow, John A. Katzenellenbogen's Lab** January 2003 – May 2004
University of Illinois at Urbana Urbana, Illinois
- Expanded on projects stemming from dissertation work.
 - Worked with another postdoctoral fellow in the laboratory to develop new protein microarray technology.
- PhD Dissertation, John A. Katzenellenbogen's Lab** August 1998 – January 2003
University of Illinois at Urbana Urbana, Illinois
- Completed required courses for graduate work in organic chemistry.
 - Conducted site-directed mutagenesis on estrogen receptor DNA constructs.
 - Developed novel protein chemistry methodology for site-specific fluorescent labeling of estrogen receptors.
 - Developed several biophysical fluorescent assays to study estrogen receptor molecular structure and function.
 - Wrote and successfully defended original proposal for proteome profiling of Src homology 2 domain expression and activity.
- Undergraduate Research Assistant** May 1995 – August 1998
San Jose State University San Jose, California
- Synthesized C₂ symmetrical chiral sulfonium salts and developed methodologies for stereoselective addition to simple alkenes.

Entrepreneur Experience

- Mentoring of Students from Center for Bioengineering Innovation and Design (CBID) at Hopkins** July 2012 – November 2015
Johns Hopkins Biodesign Group
- Lectured and mentored students from Hopkins CBID rotating through Hopkins Interventional Radiology.
 - Led brain storming sessions for current clinical gaps and room for new tools in interventional radiology.

Teaching Experience

- Interventional Radiology Lectures for Fellows and Residents** August 2013 – November 2015
The Johns Hopkins University School of Medicine Baltimore, Maryland
- Prepared and delivered series of lectures on interventional radiology for fellows and residents at Hopkins.
- Co-Creator of Stanford Emergency Medicine and Radiology Interdisciplinary Conference Series** July 2010 – June 2012
Stanford University Medical Center Stanford, California
- Developed this case-based conference series to evaluate the roles of Emergency Medicine and Radiology teams in the care of patients presenting to the Stanford Emergency Department.
- Surgery Department, 3rd Year General Surgery Rotation** July 2006 – June 2007
University of Illinois College of Medicine Urbana, Illinois
- Taught basic clinical and surgical skills laboratories and review sessions to third year medical students.
- Radiology Department, 2nd Year Radiology Review Course** July 2006 – June 2007
University of Illinois College of Medicine Urbana, Illinois
- Taught basic introduction to various imaging modalities and arranging radiology skills laboratory sessions for second year medical students.
- Organic Chemistry Lab/Lecture** August 1998 – May 2000
University of Illinois Department of Chemistry Urbana, Illinois
- Prepared lectures, demonstrated experiments, and conducted examination reviews for 25-30 students.
 - Graded laboratory reports and assigned grades of students in the class.

Volunteer Experience

- Helping Revitalize Medical Education through Service (HeRMES)** March 2006 – June 2007
University of Illinois College of Medicine Urbana, Illinois
- Volunteered along with physicians providing care for uninsured elementary and high school students.
- Physicians for Social Responsibility (PSR)** November 1998 – June 2007
University of Illinois College of Medicine Urbana, Illinois
- Helped run blood, food, and clothing drives.
 - Attended National PSR meeting in Washington, D.C. in May 2000.

Publications

Peer Reviewed

- Portnoy E, Wadhwa, V, Barbosa M C, Weiss C R, Holly B, Hong K, and **Tamrazi A**. Massive Pulmonary Embolism Thrombolysis: Early Clinical Biomarkers of Treatment Efficacy. *Journal of Clinical Interventional Radiology*. Accepted.
- Tamrazi A**, Gulati A, and Wadhwa V. Image-Guided Needle Biopsies and Personalized Medicine. *Fundamentals of Diagnostic Radiology*, 5th Edition, Chapter 37. Accepted.
- Wadhwa, V, Trivedi P S, Chatterjee K, **Tamrazi A**, Hong K, Lessne M L, and Ryu R K. Decreasing Utilization of IVC Filters in Post-FDA Warning Era: Insight from 2005-2014 Nationwide Inpatient Sample. *Journal of the American College of Radiology*. 14: 1144-1150 (2017).
- Gorodetski B, Chapiro J, Schemtaner R, Duran R, Lin M, Lee H, Lenis D, Stuart E A, Nonyane B A, Pekurovsky A, **Tamrazi A**, Gebauer B, Schlacter T, Pawlik T M, and Geschwind J F. Advanced-stage hepatocellular carcinoma with portal vein thrombosis: conventional versus drug-eluting beads transcatheter arterial chemoembolization. *European Radiology*. June (2016).
- Benyamin R M, Vallejo R, Wang V, Kumar N, Cedeno D L, and **Tamrazi A**. Acute Epidural Hematoma Formation in Cervical Spine After Interlaminar Epidural Steroid Injection Despite Discontinuation of Clopidogrel. *Regional Anesthesia and Pain Medicine*. 41 (2): (2016).
- Tam A L, Lim H J, Wistuba I I, **Tamrazi A**, Kuo M D, Ziv E, Wong S, Shih A J, Webster R J 3rd, Fisher G S, Nagrath S, Davis S E, White S B, and Ahrar K. Image-Guided Biopsy in the Era of Personalized Cancer Care: Proceedings from the Society of Interventional Radiology Research Consensus Panel. *Journal of Vascular Interventional Radiology*. 27: 8-19 (2016).
- Ward T J, **Tamrazi A**, Lam M G, Louie J D, Kao P N, Shah R P, Kadoch M A, and Sze D Y. Management of High Hepatopulmonary Shunting in Patients Undergoing Hepatic Radioembolization. *Journal of Vascular Interventional Radiology*. 26: 1751-1760 (2015).
- Tamrazi A**, Wadhwa, V, Holly B, Bhagat N, Marx J A, Streiff M, and Lessne M L. Percutaneous Retrieval of Permanent Inferior Vena Cava Filters. *CardioVascular and Interventional Radiology*. 36:1-9 (2015).
- Tamrazi A**, Wadhwa, V, Duarte A, and Hong K. Successful Occlusion of the Splenic Artery using the Endoluminal Occlusion System. *Journal of Vascular Interventional Radiology*. 26: 1412-1414 (2015).
- Wadhwa V, Leeper W R, and **Tamrazi A**. Percutaneous BioOrganic Sealing of Duodenal Fistulae – Case Report and Review of Biological Sealants with Potential Use in Interventional Radiology. *CardioVascular and Interventional Radiology*. 38: 1036-1042 (2015).
- Tamrazi A** and Vasanaawala S S. Functional hepatobiliary MR imaging in children. *Pediatric Radiology*. 41: 1250-1258 (2011).

- Paulmurugan R, **Tamrazi A**, Massoud T F, Katzenellenbogen J A, and Gambhir S. In Vitro and In Vivo Molecular Imaging of Estrogen Receptor alpha and beta homo- and heterodimerization: Exploration of new modes of receptor regulation. *Molecular Endocrinology*. 25(12): 2029-2040 (2011).
- Young P M, Brau A C, Iwadate Y, Vasanaawala S S, Daniel B L, **Tamrazi A**, and Herfkens R J. Respiratory-navigated free breathing 3D-spoiled gradient echo sequence for contrast-enhanced examination of the liver: Diagnostic utility and comparison with free breathing and breath-hold conventional exams. *American Journal of Roentgenology*. 195(3): 687-691 (2010).
- Paulmurugan R, **Tamrazi A**, Katzenellenbogen J A, Katzenellenbogen B S, and Gambhir S S. A human estrogen receptor (ER) alpha mutation with differential responsiveness to nonsteroidal ligands: Novel approaches for studying mechanism of ER action. *Molecular Endocrinology*. 22(7): 1552-1564 (2008).
- Benyamin R, Vallejo R, Yousuf N, **Tamrazi A**, and Kramer J. Incidental diagnosis of intradural lumbar disc herniation during discography: A case report. *Pain Practice*. 7(4): 332-336 (2007).
- Tamrazi A**, Carlson K E, Rodriguez A L, and Katzenellenbogen J A. Coactivator proteins as determinants of estrogen structure and function: Spectroscopic evidence for a novel coactivator-stabilized receptor conformation. *Molecular Endocrinology*. 19(6): 1516-1528 (2005).
- Kim S H, **Tamrazi A**, Carlson K E, and Katzenellenbogen J A. A proteomic microarray approach for exploring ligand-initiated nuclear hormone receptor pharmacology, receptor selectivity, and hetero-dimer functionality. *Molecular and Cellular Proteomics*. 4(3): 267-277 (2005).
- Kim S H, **Tamrazi A**, Carlson K E, Daniels J R, Lee I Y, and Katzenellenbogen J A. Estrogen receptor microarray: Subtype-selective ligand binding. *Journal of American Chemical Society*. 126(15): 4754-4755 (2004).
- Hurth K M, Nilges M J, Carlson K E, **Tamrazi A**, Belford R L, and Katzenellenbogen J A. Ligand-induced changes in estrogen receptor conformations as measured by site-directed spin labeling. *Biochemistry*. 43(7): 1891-1907 (2004).
- Rodriguez A L, **Tamrazi A**, Collins M L, and Katzenellenbogen J A. Design, synthesis, and *in vitro* biological evaluation of small molecule inhibitors of estrogen receptor alpha coactivator binding. *Journal of Medicinal Chemistry*. 47(3): 600-611 (2004).
- Tamrazi A** and Katzenellenbogen J A. Site-specific fluorescent labeling of estrogen receptors and structure-activity relationships of ligands in terms of receptor dimer stability. *Methods in Enzymology*. 364: 37-53 (2003).
- Tamrazi A**, Carlson K E, and Katzenellenbogen J A. Molecular sensors of estrogen receptor conformations and dynamics. *Molecular Endocrinology*. 17(12): 2593-2602 (2003).
- Tamrazi A**. Fluorescent-labeled Estrogen Receptors: Molecular sensors of receptor structure and function. *PhD Dissertation, University of Illinois at Urbana*, 2003.
- Tamrazi A**, Carlson K E, Daniels J R, Hurth K M, and Katzenellenbogen J A. Estrogen receptor dimerization: Ligand binding regulated dimer affinity and dimer dissociation rate. *Molecular Endocrinology*. 16(12): 2706-2719 (2002).

Presentations / Talks

National / International

- Tamrazi A.** Increasing Yield: Exploring Molecular Imaging in Biopsy Target Identification beyond FDG PET/CT. Society of Interventional Radiology Research Consensus Panel: Image Guided Biopsy in the Era of Personalized Cancer Care. Washington, DC; Jun. 2015.
- Tamrazi A,** Ghodasara N, and Wadhwa V. Novel Percutaneous BioOrganic Closure of Fistulas. Society of Interventional Radiology Meeting; Atlanta, GA; Mar. 2015.
- Portnoy E and **Tamrazi A.** Massive Pulmonary Embolism Thrombolysis: Early Clinical Biomarkers. Society of Interventional Radiology Meeting; Atlanta, GA; Mar. 2015.
- Tamrazi A** and Gambhir S S. Image-Guided Tumor Targeted Delivery (IGTD). NCI Workshop; Bethesda, MD; Nov. 2010.
- Tamrazi A,** Buu M M, and Newman B. Pictures of a Pandemic: A pediatric ICU case review series of H1N1 Influenza A. Oral presentation, European Society of Pediatric Radiology; Bordeaux, France; Jun. 2010.
- Tamrazi A** and Katzenellenbogen J A. Fluorophore-labeled estrogen receptors: Molecular sensors of receptor conformation and conformational dynamics. 225th American Chemical Society National Meeting; New Orleans, LA; 23-27 Mar. 2003.
- Tamrazi A,** Daniels J R, Hurth K M, and Katzenellenbogen J A. Functional fluorescent estrogen receptors (ER): Homo- and hetero-dimerization, coregulator recruitment and site-specific regional dynamics of ER-Ligand binding domain (LBD) subtypes. 2002 Keystone Symposium on Nuclear Receptor Superfamily; Snowbird, UT; Apr. 2002.
- Tamrazi A,** Daniels J R, Hurth K M, and Katzenellenbogen J A. Estrogen agonists and antagonists have differential effects on the dimer exchange kinetics and the regional dynamics behavior of the estrogen receptor: Studies using site-specific fluorescent labeled receptors. The 83rd Annual Meeting of the Endocrine Society: ENDO 2001; Denver, CO; 20-23 Jun. 2001.

Local

- Tamrazi A.** Hematology Talk on Complex IVC Filter Retrieval. Johns Hopkins Hematology Rounds; Baltimore, MD; July 2014.
- Tamrazi A.** Center for Bioengineering Innovation and Design Talk on Future Directions in Interventional Radiology. Johns Hopkins; Baltimore, MD; July 2014.
- Tamrazi A.** Johns Hopkins Radiology Residency Department Talk on Fundamental Tools of the Trade in Interventional Radiology. Johns Hopkins; Baltimore, MD; May 2014.
- Tamrazi A.** Stanford Radiology Body Rounds. Stanford University Medical Center; Stanford, CA; Sept. 2011.
- Tamrazi A** and Grossman D. Emergency Medicine and Radiology Interdisciplinary Conference Series. Stanford University Medical Center; Stanford, CA; Oct., Nov. 2010; Apr., May, Jun., Oct. 2011; Jan., Mar. 2012.
- Tamrazi A** and Keel S. Radiology for Housestaff. Stanford University Medical Center; Stanford, CA; Sept. 2010.

- Tamrazi A** and Gambhir S S. Estrogen Receptor Imaging: Sensors of underlying estrogen biology. Medical Student Presentation, Molecular Imaging Program at Stanford, Stanford University School of Medicine; Stanford, CA; Aug. 2006.
- Tamrazi A** and Katzenellenbogen J A. Fluorescent estrogen receptors as molecular sensors of receptor structure and function. 25th Annual University of Illinois Medical Scholar's Program Allerton Conference; Monticello, IL; Aug. 2005.
- Tamrazi A** and Katzenellenbogen J A. Fluorophore-labeled human estrogen receptors. Annual University of Illinois Organic Chemistry Allerton Conference; Monticello, IL; Oct. 2001.
- Tamrazi A**, Carlson K E, and Katzenellenbogen J A. Studies using fluorescent estrogen receptors. San Jose State University; San Jose, CA; Mar. 2001.
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Posters

- Gulati A, and **Tamrazi A**. A case of Metastatic Lung Adenocarcinoma with Differential Levels of T790M Tumor Signal in Arterial vs. Venous Blood Samples. Molecular Med Tri-Con Meeting; San Francisco, CA; Feb. 2018.
- Lessne M, Holly B P, Bhagat N, and **Tamrazi A**. Percutaneous Removal of Permanent IVC Filters: Tips, Tricks and Trap-eases. Society of Interventional Radiology Meeting; Atlanta, GA; Mar. 2015.
- Wadha V, Weiss C R, Holly B P, Schlachter T, and **Tamrazi A**. Who Needs Glue: Exploring New Percutaneous Biological Sealants in Interventional Radiology. *Radiologic Society of North America*. Nov. 2014.
- Tamrazi A** and Baxter R. Pancreatic Divisum with Santorinocele. *American College of Radiology Case in Point*. Aug. 2013.
- Tamrazi A**, Marnix G E H L, Louie J D, Kao, P N, Shah R P, and Sze D Y. Management of high hepatopulmonary shunt fractions in patients undergoing radioembolization. *Accepted: Society of Interventional Radiology*; New Orleans, LA; Apr. 2013.
- Tamrazi A**, Paulmurugan R, Katzenellenbogen J A, and Gambhir S S. Bioluminescence imaging as novel approaches for studying mechanism of estrogen receptor action. Radiologic Society of North America; Chicago, IL; Nov. 2008.
- Tamrazi A**, Paulmurugan R, Carlson K E, Katzenellenbogen J A, and Gambhir S S. From test tubes to mice: Development of molecular estrogen sensors. UCSF-CHE Summit on environmental challenges to reproductive health and fertility; San Francisco, CA; Jan. 2007.
- Tamrazi A**, Roychowdhury N, Thameem D, and Othman E. Internal carotid artery dissection in primary antiphospholipid antibody syndrome: A case report. American College of Physician's National Meeting; Philadelphia, PA; 6-8 Apr. 2006.
- Tamrazi A**, Roychowdhury N, Thameem D, and Othman E. Internal carotid artery dissection in primary antiphospholipid antibody syndrome: A case report. American College of Physician's Illinois Chapter Meeting; Chicago, IL; 4 Nov. 2005.
- Roychowdhury N, **Tamrazi A**, Arwari A, and Thameem D. Ileocecal actinomycosis in a patient having long term corticosteroid therapy: A case report. American College of Physician's Illinois Chapter Meeting; Chicago, IL; 4 Nov. 2005.

- Rodriguez A L, **Tamrazi A**, and Katzenellenbogen J A. Substituted naphthalene scaffolds as estrogen receptor coactivator mimics. Abstract of Papers, 224th American Chemical Society National Meeting; Boston, MA; 18-22 Aug. 2002.
- Tamrazi A** and Katzenellenbogen J A. Monitoring conformational changes in the human estrogen receptor alpha ligand binding domain. The 6th International Weber Symposium on Innovative Fluorescence Methodologies in Biochemistry and Medicine; Kauai, HI; 23-29 Jun. 2002.
- Jackson R, **Tamrazi A**, Nguyen D, and Kesler B. The addition of chiral sulfonium salts to unfunctionalized olefins. Abstract of Papers, 216th American Chemical Society National Meeting; Boston, MA; 23-27 Aug. 1998.
- Tamrazi A**, Afshar R, and Kesler B. The preparation and chemistry of a chiral sulfonium salt. Abstract of Papers, 213th American Chemical Society National Meeting; San Francisco, CA; 13-17 Apr. 1997.

Awards

- **Certificate of Merit Award**, Radiological Society of North America; Chicago, IL; 2014.
- **Gatewood Fellowship Award**, Hopkins Radiology Research Fund; Baltimore, MD; 2014-2015.
- **Consultant of the Year**, Stanford Emergency Department; Stanford, CA; 2010 – 2011.
- **Chief Resident**, Stanford Radiology; Stanford, CA; 2010 – 2011.
- **Alpha Omega Alpha Honor Society Award**; Chicago, IL; 2007.
- **Gold Humanism Honor Society Award**; Chicago, IL; 2007.
- **Daniel K. and Frances A. Bloomfield Fellowship** in recognition of exceptional contributions to the University of Illinois Medical Scholars Program in the 2006 – 2007 academic year; Urbana, IL; 2007.
- **First Place Medical Student Winner** for clinical vignette poster at the American College of Physician's Illinois Chapter Meeting; Chicago, IL; Nov. 2005.
- **Swartz-Flood Award** for best student presentation at the 25th Annual University of Illinois Medical Scholar's Program Allerton Conference; Monticello, IL; Aug. 2005.
- **R.C. Fuson Memorial Travel Fund** for outstanding research in organic chemistry at University of Illinois; Urbana, IL; Spring 2003.
- **Seemon-Pines Award** for the most outstanding student presentation at the Annual University of Illinois Organic Chemistry Allerton Conference; Monticello, IL; Oct. 2001.
- **Pines Travel Award** from the Organic Chemistry Department at University of Illinois to present PhD research in the form of a seminar at the institute where undergraduate degree in chemistry was obtained; Urbana, IL; Fall 2001.
- **The Endocrine Society Travel Grant Award** for exceptional research presentation at 83rd Annual Meeting of the Endocrine Society; Denver, CO; 2001.
- **Teaching Award** for being named on the incomplete list of teachers ranked as excellent by their students for chemistry at University of Illinois; Urbana, IL; Spring 1999 and 2000.
- **Scholastic Award**, The Assyrian Universal Alliance Foundation; San Jose, CA; 1999 and 2000.

Additional / Professional Organizations

- Society of Interventional Radiology: 2011 – Present.
- Stanford Emergency Medicine and Radiology Improvement Committee: 2011 – 2012.
- California Radiologic Society: 2011 – Present.
- Completed Stanford Graduate School of Business Leadership Course (GSBGEN 559): 2009.
- Stanford Radiology Resident's Relations Committee: 2008.
- Bay Area Angiography Association: 2008 – Present.
- Alpha Omega Alpha Society: 2006 – Present.
- Radiological Society of North America: 2005 – Present.
- The Endocrine Society: 1999 – Present.
- American Chemical Society: 1998 – Present.
- Physicians for Social Responsibility: 1998 – 2007.