

# Stanford

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## Ghiam Yamin

- Clinical Scholar, Radiology
- Fellow in Medicine

### Bio

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#### CLINICAL FOCUS

- Diagnostic Radiology

#### INSTITUTE AFFILIATIONS

- Clinical Scholar, Radiology

#### HONORS AND AWARDS

- Elliott C. Lasser Award for Excellence in Research, UCSD Department of Radiology (2019)
- Robert F. Mattrey, M.D. Clinician-Scientist Award, UCSD Department of Radiology (2019)
- RSNA Research Resident Grant, RSNA (2018)
- Meeting Abstract Magna Cum Laude Award, ISMRM (2018)
- 2018 Meeting Educational Stipend, ISMRM (2018)
- Sigma Xi Scientific Research Society, Sigma Xi (2013)
- Chemistry-Biology Interface (CBI) Training Program Grant, UCLA (2008-2011)
- Graduate Research Mentorship Grant, UCLA (2007)
- Medical Student Training In Aging Research (MSTAR) Grant, American Federation for Aging Research (AFAR) (2006 & 2007)
- NIH Medical Scientist Training Program Fellowship, NIH (2004-2013)
- Phi Beta Kappa Honors Society, Phi Beta Kappa (2002)

#### PROFESSIONAL EDUCATION

- Fellowship, Stanford Medical Center , Neuroradiology Fellowship (2021)
- Residency: UCSD Radiology Residency (2019) CA
- Internship: St Mary Medical Center Internal Medicine Residency (2014) CA
- M.D., David Geffen School of Medicine at UCLA , Medicine (2013)
- Ph.D., UCLA (UCLA-Caltech MSTP) , Neuroscience (2011)

### Publications

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#### PUBLICATIONS

- **Assessment of Motor Dysfunction with Virtual Reality in Patients Undergoing [123I]FP-CIT SPECT/CT Brain Imaging Tomography**  
Vu, J. P., Yamin, G., Reyes, Z., Shin, A., Young, A., Litvan, I., Xie, P., Obrzut, S.  
2021; 7 (2): 95-106
- **An Unusual Case of Thiamine Deficiency in a Total Parenteral Nutrition-Dependent Child Secondary to Munchausen by Proxy** *JPGN Reports*  
Huang, A. C., Herdes, R. E., Yamin, G., Kerner, J.

2021; 2 (1)

- **Automated CT registration tool improves sensitivity to change in ventricular volume in patients with shunts and drains.** *The British journal of radiology*  
Yamin, G. n., Cheecharoen, P. n., Goel, G. n., Sung, A. n., Li, C. Q., Chang, Y. A., McDonald, C. R., Farid, N. n.  
2020; 93 (1106): 20190398
- **The false-negative rate of mammography should be calculated in the 1st and 2nd year following a benign screening mammogram.** *The breast journal*  
Eghtedari, M. n., Al-Shamrani, A. n., Shojaeiadib, N. n., Yamin, G. n., Ojeda-Fournier, H. n.  
2020
- **Chronic cough and an atypical pattern of peripheral pulmonary opacities: A case report secondary to suspected drug onset.** *The Journal of asthma : official journal of the Association for the Care of Asthma*  
Alas, R. n., Williams, M. T., Yamin, G. n., Rofoogaran, M. n.  
2018; 55 (1): 106–10
- **Pittsburgh Compound-B (PiB) binds amyloid  $\beta$ -protein protofibrils.** *Journal of neurochemistry*  
Yamin, G. n., Teplow, D. B.  
2017; 140 (2): 210–15
- **Voxel Level Radiologic-Pathologic Validation of Restriction Spectrum Imaging Cellularity Index with Gleason Grade in Prostate Cancer** *CLINICAL CANCER RESEARCH*  
Yamin, G., Schenker-Ahmed, N. M., Shabaik, A., Adams, D., Bartsch, H., Kuperman, J., White, N. S., Rakow-Penner, R. A., McCammack, K., Parsons, J., Kane, C. J., Dale, A. M., Karow, et al  
2016; 22 (11): 2668–74
- **Mass of the Anterior Nasal Septum.** *JAMA otolaryngology-- head & neck surgery*  
Yamin, G. n., Shabaik, A. n., Mafee, M. n.  
2016; 142 (6): 601–2
- **Demonstration of Non-Gaussian Restricted Diffusion in Tumor Cells Using Diffusion Time-Dependent Diffusion-Weighted Magnetic Resonance Imaging Contrast.** *Frontiers in oncology*  
Hope, T. R., White, N. S., Kuperman, J. n., Chao, Y. n., Yamin, G. n., Bartsch, H. n., Schenker-Ahmed, N. M., Rakow-Penner, R. n., Bussell, R. n., Nomura, N. n., Kesari, S. n., Bjørnerud, A. n., Dale, et al  
2016; 6: 179
- **Design, Characterization, and Use of a Novel Amyloid  $\beta$ -Protein Control for Assembly, Neurotoxicity, and Gene Expression Studies.** *Biochemistry*  
Yamin, G. n., Coppola, G. n., Teplow, D. B.  
2016; 55 (36): 5049–60
- **Inhibiting amyloid  $\beta$ -protein assembly: Size-activity relationships among grape seed-derived polyphenols.** *Journal of neurochemistry*  
Hayden, E. Y., Yamin, G. n., Beroukhi, S. n., Chen, B. n., Kibalchenko, M. n., Jiang, L. n., Ho, L. n., Wang, J. n., Pasinetti, G. M., Teplow, D. B.  
2015; 135 (2): 416–30
- **Design and Characterization of Chemically Stabilized A $\beta$ 42 Oligomers.** *Biochemistry*  
Yamin, G. n., Huynh, T. V., Teplow, D. B.  
2015; 54 (34): 5315–21
- **NMDA receptor-dependent signaling pathways that underlie amyloid beta-protein disruption of LTP in the hippocampus.** *Journal of neuroscience research*  
Yamin, G. n.  
2009; 87 (8): 1729–36
- **A peptide hairpin inhibitor of amyloid beta-protein oligomerization and fibrillogenesis.** *Biochemistry*  
Yamin, G. n., Ruchala, P. n., Teplow, D. B.  
2009; 48 (48): 11329–31
- **Amyloid beta-Protein Assembly as a Therapeutic Target of Alzheimer's Disease** *CURRENT PHARMACEUTICAL DESIGN*  
Yamin, G., Ono, K., Inayathullah, M., Teplow, D. B.  
2008; 14 (30): 3231–3246
- **Familial Alzheimer's disease mutations alter the stability of the amyloid beta-protein monomer folding nucleus.** *Proceedings of the National Academy of Sciences of the United States of America*

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- Grant, M. A., Lazo, N. D., Lomakin, A. n., Condrón, M. M., Arai, H. n., Yamin, G. n., Rigby, A. C., Teplow, D. B.  
2007; 104 (42): 16522–27
- **Effects of nitration on the structure and aggregation of alpha-synuclein** *MOLECULAR BRAIN RESEARCH*  
Uversky, V. N., Yamin, G., Munishkina, L. A., Karymov, M. A., Millett, I. S., Doniach, S., Lyubchenko, Y. L., Fink, A. L.  
2005; 134 (1): 84–102
  - **Methionine oxidation, alpha-synuclein and Parkinson's disease.** *Biochimica et biophysica acta*  
Glaser, C. B., Yamin, G. n., Uversky, V. N., Fink, A. L.  
2005; 1703 (2): 157–69
  - **Characterization of oligomeric intermediates in alpha-synuclein fibrillation: FRET studies of Y125W/Y133F/Y136F alpha-synuclein.** *Journal of molecular biology*  
Kaylor, J. n., Bodner, N. n., Edridge, S. n., Yamin, G. n., Hong, D. P., Fink, A. L.  
2005; 353 (2): 357–72
  - **Forcing nonamyloidogenic beta-synuclein to fibrillate.** *Biochemistry*  
Yamin, G. n., Munishkina, L. A., Karymov, M. A., Lyubchenko, Y. L., Uversky, V. N., Fink, A. L.  
2005; 44 (25): 9096–9107
  - **Role of individual methionines in the fibrillation of methionine-oxidized alpha-synuclein.** *Biochemistry*  
Hokenson, M. J., Uversky, V. N., Goers, J. n., Yamin, G. n., Munishkina, L. A., Fink, A. L.  
2004; 43 (15): 4621–33
  - **Nitration inhibits fibrillation of human alpha-synuclein in vitro by formation of soluble oligomers.** *FEBS letters*  
Yamin, G. n., Uversky, V. N., Fink, A. L.  
2003; 542 (1-3): 147–52
  - **Certain metals trigger fibrillation of methionine-oxidized alpha-synuclein.** *The Journal of biological chemistry*  
Yamin, G. n., Glaser, C. B., Uversky, V. N., Fink, A. L.  
2003; 278 (30): 27630–35
  - **Methionine oxidation inhibits fibrillation of human alpha-synuclein in vitro.** *FEBS letters*  
Uversky, V. N., Yamin, G. n., Souillac, P. O., Goers, J. n., Glaser, C. B., Fink, A. L.  
2002; 517 (1-3): 239–44