



Praveen R Arany, BDS, MDS, MMSc, PhD
President Elect to WALT 2016-2018

Current Position: Assistant Professor,
Oral Biology, School of Dental Medicine.
University at Buffalo,
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Dr. Arany is trained as a dentist and oral pathologist. He completed a joint PhD-Residency program at Harvard University as a Harvard Presidential Scholar. He has two certificates in clinical translational research from Harvard Medical School and National Institute of Health. He pursued postdoctoral fellowships at Indian Institute of Sciences, Bangalore; National Cancer Institute, Bethesda and Harvard School of Engineering and Applied Sciences & Wyss Institute, Cambridge. Following his training, he was an Assistant Clinical Investigator at National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda. He is currently an Assistant Professor, Oral Biology, School of Dental Medicine, University at Buffalo, New York.

He has over 60 scientific publications and is a recipient of numerous awards such as the NCI Director's Young Investigator Award, Wound Healing Society's Young Investigator Award, Eugene Seidner scholar and Horrace Furomoto Young Investigator award. He has been invited to speak in various national and international forums, reviews for over 25 scientific journals, serves on 9 journal editorial boards and routinely reviews grants for national and international funding agencies. He is an active member and serves in various committees of the Wound Healing Society (WHS) and American Association for Dental Research (AADR), Academy of Laser Dentistry (ALD), American Society of Lasers in Medicine (ASLMS), among others. Dr. Arany holds several leadership positions, he is the current President (2014-2016) of North American Association for Photobiomodulation Therapy (NAALT), Chair of Lasers in Dentistry track at ASLMS and Co-Chair of the International Society of Optics and Photonics (SPIE) conference on Mechanisms of Photobiomodulation therapy. His work has over 1700 scientific citations and has an h-index of 15 and i-10 index of 23 (*source: Google scholar*). He has been featured in many mainstream media highlights in over 70 countries including Fox news, CNN, MSNBC, Washington Post, BBC, Reuters and MIT technical review, among many others.

Dr. Arany's research is predominantly focused on the molecular mechanisms and clinical translation of light therapy to promote wound healing and tissue regeneration. His lab attempts to identify key biological *regulatory* components that can be used in clinical studies to *control* biological outcomes. His work with biophotonics therapy has unraveled a major therapeutic molecular pathway that has been harnessed to promote wound healing and tissue regeneration as well as immunomodulation. His research is now focused on clinical translation of this therapy for various clinical ailments. His other areas of interest include dichotomy of wounds and tumors, cell signaling regulatory networks, Transforming Growth Factor- β biology and directing stem cell differentiation for regenerative therapy.