# Daniel S. Gareau

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EDUCATION

**The Rockefeller University**, Manhattan, New York
Master of Clinical Research in Translational Medicine    Jul 2011 – Jul 2014
Device Invention lead to Multicenter Clinical Trial with FDA Investigational Device Exemption

**Oregon Health and Science University**, Portland, Oregon
Ph.D. in Biomedical Engineering    Jan 2000 – Dec 2006
Thesis: In Vivo Confocal Microscopy In Turbid Media

RESEARCH EXPERIENCE

**Sloan Kettering Cancer Center**, Manhattan, New York
Postdoctoral Fellow, Dermatology Service    Mar 2005 – Feb 2008
Dr. Milind Rajadhyaksha

*Engineering of multimodal and line-scanning dermatological confocal microscopes* Adapted a confocal microscope to image with high contrast in skin excisions, conducted a clinical trial and developed a novel confocal design for rapid, simplified cellular skin scanning in vivo

PUBLICATIONS

D. Gareau et al., "Automated detection of malignant features in confocal microscopy on superficial spreading melanoma versus nevi," in *Journal of Biomedical Optics*, 2010.

D. Gareau et al., "Multimodal Confocal Microscopy Screens Cancer Margins," in *Journal of Surgical Research*, 2012.

ACADEMIC HONORS & AWARDS

Research Innovation award,    Oct 2010
For automated data processing of noninvasive fiber optic spectroscopy to extract tissue oxymetry

Research featured on cover of Journal of Biomedical Optics    2010
For automated data processing of noninvasive confocal imagery to extract pathological evaluation

Research featured on the cover of the British Journal of Dermatology    2009
For clinical trial of sensitivity and specificity in cancer detection

Student Achievement Award, Oregon Health and Science University    2005 – 2006
For excellence in research

OTHER HONORS & AWARDS

Sanders Award for Entrepreneurial Excellence    2014
Winner of "Shark Tank" competition in the Tri-Institutional Bench-To-Bedside Initiative

Optics Super Hero Award, Edmund Optics    2011
For innovations in optical imaging research

EXPERTISE AREAS

Medical Imaging, Image Processing, Optics, Monte Carlo Simulations

COMPUTER LANGUAGES

Matlab, C++, LaTex, Zemax

HOBBIES & INTERESTS

Science Music outreach