I. PERSONAL INFORMATION:

Affiliation: Department of Radiation Oncology, Massachusetts General Hospital & Harvard Medical School
Contact: (949) 521-4439 || YLIN20@partners.org || YUTINGL188@gmail.com

II. EDUCATION AND EXPERIENCE:

Education

09/2004-12/2009 **Ph. D. in Physics**
University of California, Irvine
Dissertation: *Quantitative Fluorescence Tomography using Multi-modality Approach*
09/2000-06/2004 **B. S. in Plasma Physics**
University of Science and Technology of China

Medical Physics Residency Education

07/2013-06/2016 **Medical Physics Resident**, Harvard Medical School
Department of Radiation Oncology, Massachusetts General Hospital;
Department of Radiation Oncology, Brigham and Women's Hospital;
Department of Radiation Oncology, Beth Israel Deaconess Medical Center

Experience

06/2011-06/2013 **Assistant Project Researcher**, Department of Radiological Sciences, UC Irvine
03/2010-05/2011 **Postgraduate Researcher**, Department of Radiological Sciences, UC Irvine
06/2005-12/2009 **Graduate Student Researcher**, Department of Astronomy and Physics, UC Irvine
09/2004-03/2006 **Teaching Assistant**, Department of Astronomy and Physics, UC Irvine

Honors and Awards

06/2015 **Associate Award,** Science Council Associates Mentorship Program (AAPM)
05/2014 **Young Investigator Award**, 13th International Workshop on Radiation Damage to DNA
09/2010-06/2013 **Postdoctoral Fellowship Award**, Susan G. Komen for the Cure ($60,000 annual support)
09/2006-12/2009 **Stem Cell Research Fellowship Award**, California Institute for Regenerative Medicine Training Program ($37,910 annual support)
01/2008 **Newport Spectra-Physics Research Excellence Award**

III. GRANTS:

Completed Grant Support

09/01/10-08/31/12 KG101442 (PI: Lin, Y)

Susan G. Komen for the cure Foundation **Role: PI**
Title: A Combined MRI-Dynamic Contrast Enhanced Fluorescence Tomography System for Breast Cancer Imaging.
This project will develop a dynamic fluorescence tomography system that is compatible to MRI for human breast cancer imaging.

08/01/08-7/31/12 R01 EB008716 (PI: Gulsen, G)

NIH/NIBIB **Role: Investigator**
Title: Tomographic Molecular Imaging for Breast Cancer

This project will develop first-of-its-kind combined MR-Fluorescence Tomography animal imaging system that can provide accurate concentration and lifetime information of a targeted fluorescence agent in vivo.

07/01/06-06/31/09 T1-00008 (Fellow: Lin, Y)

California Institute for Regenerative Medicine **Role: Fellow**

Title: CIRM stem cell training grant

This project will develop a combined CT and fluorescence tomography system for tracking the migration of implanted stem cells.

IV. PUBLICATIONS:

Peer-reviewed Journal Papers:

[J-1]. **Y. Lin,** H. Kooy, D. Craft, N. Depauw, J. Flanz and B. Clasie. Investigation of a reassignment algorithm to mitigate the effect of minimum monitor unit threshold on pencil beam scanning proton therapy. *Submitted to Physics of Medicine and Biology*. **(2016)**

[J-2]. F. Nouizi, A. Luk, D. Thayer, **Y. Lin**, S. Ha and G. Gulsen Experimental Validation of a Novel High Resolution Diffuse Optical Imaging Modality: Photo-Magnetic Imaging. *Journal of Biomedical Optics* In Press (**2015**)

[J-3]. F. Nouizi, T. C. Kwong, J. Cho, **Y. Lin**, U. Sampathkumaran and G. Gulsen. Implementation of a new scanning method for high resolution fluorescence tomography using thermosensitive fluorescent agents. *Optics Letters* 40(21), 4991-4994. **(2015)**

[J-4]. **Y. Lin**, H. Paganetti, S. J. McMahon, J. Schuemann. Gold Nanoparticle Induced Vasculature Damage in Radiotherapy: Comparing Protons, Megavoltage Photons and Kilovoltage Photons. *Medical Physics* 42(10). **(2015) *Editors' Picks*, Featured on Medicalphysicsweb.com, Featured on AAPM news release.**

[J-5]. **Y. Lin**, W. C. Lin, P T Fwu, T-C Shih, L-R Yeh, M-Y Su, J-H Chen. Investigation of factors affecting hypothermic pelvic tissue cooling using bio-heat simulation based on MRI-segmented anatomic models. *Computer Methods and Programs in Biomedicine* 122(1). **(2015)**

[J-6]. **Y. Lin**, F. Nouizi, T. C. Kwong, G. Gulsen. Simulation-Based Evaluation of the Resolution and Quantitative Accuracy of Temperature-Modulated Fluorescence Tomography. *Applied Optics* 54(25), 7612-7621. **(2015)**

[J-7]. **Y. Lin**, S. J. McMahon, H. Paganetti, J. Schuemann. Biological modeling of gold nanoparticle enhanced radiotherapy for proton therapy. *Physics of Medicine and Biology*. 60(10), 4149-4168. **(2015)**

[J-8]. **Y. Lin**, S. J. McMahon, M. Scarpelli, H. Paganetti, J. Schuemann. Comparing gold nano-particle enhanced radiotherapy with protons, megavoltage photons and kilovoltage photons: a Monte Carlo simulation. *Physics of Medicine and Biology* 59(24), 7675-89 **(2014) *PMB Highlight of 2014*, Featured on Medicalphysicsweb.com**

[J-9]. **Y. Lin**, T. Liu, W. Yang, X. Yang and M. K. Khan. The non-Gaussian nature of prostate motion based on real-time intra-fraction tracking. *International Journal of Radiation Oncology • Biology • Physics*, 87(2):363-9 **(2013)**

[J-10]. **Y. Lin**, T. Liu, X. Yang, Y. Wang and M. K. Khan. Respiratory induced prostate motion using wavelet decomposition of the read-time electromagnetic tracking signal. *International Journal of Radiation Oncology • Biology • Physics*, 87(2):370-4 **(2013)**

[J-11]. **Y. Lin,** H. Gao, D. A. Thayer**,** A. L. Luk, G. Gulsen. Photo-magnetic Imaging: Resolving Optical Contrast at MRI resolution. *Physics of Medicine and Biology* 58(11), 3551-62 **(2013)**

[J-12]. **Y. Lin**, M. Ghijsen, O. Nalcioglu and G. Gulsen. In vivo validation of quantitative frequency domain fluorescence tomography. *Journal of Biomedical Optics* 17(12), 126021 (**2012**)

[J-13]. H. Gao, R. Li, **Y. Lin**, L. Xing. 4D cone beam CT via spatiotemporal tensor framelet. *Medical Physics Letters* 39 (11) (**2012**)

[J-14]. H. Yan, **Y. Lin**, B. Unlu, W. Barber and G. Gulsen. "A Gantry-based Tri-Modality system for Bioluminescence Tomography", *Review of Scientific Instruments*, 83, 043708 (**2012**)

[J-15]. H. Gao, L. Phan and **Y. Lin**. Parallel multigrid solver of radiative transfer equation for photon transport via graphics processing unit. *Journal of Biomedical Optics* 17 (9), 096004 (**2012**)

[J-16]. D. A. Thayer, **Y. Lin** and G. Gulsen. Laser-Induced Photo-Magnetic Imaging. *Applied Physics Letter* 101, 083703 (**2012**)

[J-17]. **Y. Lin**, L. Bolisay, T.C. Kwong, G. Gulsen. Temperature modulated fluorescence tomography based on both concentration and lifetime contrast. *Journal of Biomedical Optics* 17(5), 056007 (**2012**) **Featured on SPIE Newsroom**

[J-18]. **Y. Lin**, L. Bolisay, M. Ghijsen, TC. Kwong, G. Gulsen. Temperature-modulated fluorescence tomography in a turbid media. *Applied Physics Letter* 100 (7):73702-737024 (**2012**)

[J-19]. H. Gao, **Y. Lin**, C. B. Ahn, O. Nalcioglu. PRISM: A Divide-and-Conquer Low-Rank and Sparse Decomposition Model for Dynamic MRI. CAM Report 11-26 **(2011)**

[J-20]. **Y. Lin**, D. Thayer, O. Nalcioglu, and G. Gulsen. MR-guided near infrared characterization of breast tumors using Indocynine Green in a rat model: in vivo validation using a high speed dynamic contrast enhanced diffuse optical tomography system. *Journal of Biomedical Optics* 16 106015 (**2011**)

[J-21]. **Y Lin**, M. Ghijsen, O. Nalcioglu and G. Gulsen. Photo-multiplier tube based hybrid MRI and fluorescence tomography system for small animal imaging. *Physics of Medicine and Biology* 56 (15) (**2011**)

[J-22]. M. Ghijsen, **Y. Lin**, M. Hsing, O. Nalcioglu and G. Gulsen. Optimal Analysis Method for Dynamic Contrast Enhanced Diffuse Optical Tomography (DCE-DOT). *International Journal of Biomedical Imaging* **(2011)**

[J-23]. **Y. Lin**, O. Nalcioglu and G. Gulsen. Quantitative Fluorescence Tomography Using a Tri-modality System: In vivo Validation**.** *Journal of Biomedical Optics*, 15 (4) (**2010**)

[J-24]. H. Gao, **Y. Lin**, G. Gulsen and H. Zhao**.** Fully linear reconstruction method for fluorescence yield and lifetime through inverse complex-source formulation. *Optics Letters*, 35 (11) (**2010**)

[J-25]. **Y. Lin**, W. Barber, J. Iwanczyk, W. Roeck, O. Nalcioglu and G. Gulsen. Quantitative fluorescence tomography using a combined tri-modality FT/DOT/XCT system. *Optics Express*, 18 (8) (**2010**)

[J-26]. D. Thayer, B. Unlu, **Y. Lin**, H. Yan, O. Nalcioglu and G. Gulsen. Dual-Contrast Dynamic MRI-DOT for Small Animal Imaging. *Technology in Cancer Research and Treatment* 9 (1) (**2010**)

[J-27]. W. Barber, **Y. Lin**, J. Iwanczyk, W. Roeck, O. Nalcioglu and G. Gulsen**.** Combined Fluorescence and X-Ray Tomography for Quantitative In Vivo Detection of Fluorophore. *Technology in Cancer Research and Treatment* 9 (1) (**2010**)

[J-28]. B. Unlu, **Y. Lin** and G. Gulsen. Dynamic contrast enhanced diffuse optical tomography (DCE-DOT): experimental validation with a dynamic phantom. *Physics of Medicine and Biology* 54 (21) (**2009**)

[J-29]. **Y. Lin,** H. Yan, O. Nalcioglu and G. Gulsen. Quantitative fluorescence tomography with functional and structural a priori information. *Applied Optics* 48 (7) (**2009**)

[J-30]. B. Unlu, **Y. Lin**, O. Birgul, O. Nalcioglu and G. Gulsen. Simultaneous *in vivo* dynamic magnetic resonance-diffuse optical tomography for small animal imaging. *Journal of Biomedical Optics* 13 (6) (**2008**)

[J-31]. **Y. Lin,** H. Gao, O. Nalcioglu and G. Gulsen. Fluorescence diffuse optical tomography with functional and anatomical *a priori* information: feasibility study. *Physics of Medicine and Biology* 52 (18) **(2007**)

News and Media Coverage

[N-1]. Nanoparticles target tumour vasculature. Nov 3, 2015, Medicalphysicsweb. http://medicalphysicsweb.org/cws/article/research/63075

[N-2]. The 2015 Science Council Associates Mentorship Program (SCAMP), SCIENCE COUNCIL REPORT, AAPM Newsletter, Volume 40 No. 5 SEPTEMBER&OCTOBER 2015 http://aapm.org/pubs/protected_files/newsletter/4005-aapmnews.pdf

[N-3]. Nanoparticles boost proton dose. Jan 6, 2015, Medicalphysicsweb. http://medicalphysicsweb.org/cws/article/research/59768

[N-4]. Modulating tissue temperature for high-resolution, in vivo fluorescence tomography. 3 August 2012, SPIE Newsroom. http://spie.org/x88339.xml

[N-5]. Stem cell grant to boost training program. January 30, 2009 UCI News. http://news.uci.edu/features/stem-cell-grant-to-boost-training-program/

Patents:

[P-1]. Mohammad K. Khan, Tian Liu and **Yuting Lin**. 2014. Methods, Systems and computer readable storage media storing instructions for determining respiratory induced organ motion. U.S. Patent 14/165,770, filed January 28, 2014.

[P-2]. Gultekin Gulsen, **Yuting Lin** and Orhan Nalcioglu. 2011. An Apparatus and Method for Quantitative Noncontact in vivo Fluorescence Tomography using a priori Information. U.S. Patent 61/430,036, filed January 05, 2011, and issued November 08, 2011.

[P-3]. Gultekin Gulsen, **Yuting Lin** and Dave A. Thayer. 2011. Method and Apparatus for Photomagnetic Imaging. U.S. Patent 61/550, 258, filed October 21, 2011 and issued October 09, 2012.

[P-4]. Gultekin Gulsen, and **Yuting Lin**. 2012. Temperature Modulated Fluorescence Tomography. U.S. Patent 61/577, 624, filed December 19, 2011 and issued December 06, 2012.

PROFESSIONAL PARTICIPATION, MEMBERSHIP AND CERTIFICATION

Reviewer, Physics in Medicine and Biology
Reviewer, Medical Physics
Reviewer, Nanomedicine: Nanotechnology, Biology, and Medicine
Reviewer, Journal of Biomedical Optics
Reviewer, Optics Express
Reviewer, Applied Optics
Reviewer, Scientific Reports
Student Member, American College of Radiology
Student Member, American Physical Society
Resident Member, AAPM
ABR Certification in Therapeutic Medical Physics *Passed Part 1; Eligible for Part 2 August 2016*

Educational Activity and Invited Talks:

[E-1]. Irradiation of Human Cell Lines using Various Ions and Gold Nanoparticle Enhanced Radiotherapy using Protons. Department of Radiation Oncology, Brigham & Women's Hospital & Harvard Medical School, Physics Lecture Series, June 5, **2015**

[E-2]. Radiosensitization Using Gold Nanoparticles for Proton Therapy. Department of Radiation Oncology, Massachusetts General Hospital & Harvard Medical School, Brown Bag Seminar Series, August 12, **2014**

[E-3]. Quantitative Optical Imaging using Multi-modality Approaches. InnoSense LLC, Torrance, CA, August 30, **2011**

[E-4]. Multimodality Approach for Functional and Molecular Imaging of Cancer. Department of Cogno-Mechatronics Engineering, Pusan National University, South Korea, November 15, **2011**

[E-5]. Quantitave optical imaging using multi-modality approach. Image-Guided Spectroscopy Symposium and Workshop, Thayer school of engineering at Dartmouth, July 19-23, **2010**,

Peer-reviewed Conference Papers (4-8 pages full proceedings):

[C-1]. A. T. Luk, S. Ha, F. Nouizi, D Thayer, **Y. Lin** and G Gulsen. A True Multi-modality Approach for High Resolution Optical Imaging: Photo-Magnetic Imaging. Proc SPIE. 8937: 89370G. **(2014)**

[C-2]. T. C. Kwong, F. Nouizi, **Y. Lin**, R. Rajyaguru, T. Nguyen; L. Alptekin, U. Sampathkumaran, Y. Zhu, S. Ahmed, G. Gulsen. Validation of temperature-modulated fluorescence tomography in vivo. Proc SPIE. 8937: 89370H. **(2014)**

[C-3]. T. C. Kwong, F. Nouizi, **Y. Lin**, U. Sampathkumaran; S. Ahmed, G. Gulsen. Temperature-modulated fluorescence tomography: modulating tissue temperature using HIFU for high-resolution in vivo fluorescence tomography. Proc SPIE. 8574: 857405. **(2013)**

[C-4]. A. T. Luk, D. Thayer, **Y. Lin**, F. Nouizi, H. Gao; G. Gulsen. A novel high-resolution optical imaging modality: photo-magnetic imaging. Proc SPIE. 8574: 857404. **(2013)**

[C-5]. A. T. Luk, **Y. Lin**, B. Grimmond, A. Sood, E. E. Uzgiris, O. Nalcioglu, G. Gulsen. Validation of diffuse optical tomography using a bi-functional optical-MRI contrast agent and a hybrid MRI-DOT system. Proc SPIE. 8574: 85740K. **(2013)**

[C-6]. Z. Deng, **Y. Lin**, K. Ikemura, M. Tseng, Y. Chan, G. Gulsen. Design of a rotational ultrasound guided diffuse optical tomography system for whole breast imaging. Proc SPIE. 8581: 85813P. **(2013)**

[C-7]. **Y. Lin**, H. Gao, G. Gulsen. Shape-guided complex-source fluorescence tomography. Proc SPIE. 7896: 78960Y. **(2011)**

[C-8]. M. T. Ghijsen, **Y. Lin**, O. Nalcioglu, G. Gulsen. Development of a hybrid MRI and fluorescence tomography system for small animal imaging. Proc SPIE. 7892: 789212. **(2011)**

[C-9]. **Y. Lin**, M. Ghijsen, D. Thayer, O. Nalcioglu, G. Gulsen. In vivo tumor characterization using both MR and optical contrast agents with a hybrid MRI-DOT system. Proc SPIE. 7892: 78920Z. **(2011)**

[C-10]. M. Hsing, **Y. Lin**, M. B. Unlu, O. Nalcioglu, G. Gulsen. Tumor characterization by chromophore concentrations in small animals using a hybrid MRI-DOT system. Proc SPIE. 7892: 78920L. **(2011)**

[C-11]. **Y. Lin**, W. C. Barber, J. S. Iwanczk, W. W. Roeck, O. Nalcioglu, G. Gulsen. A hybrid fluorescence tomography and x-ray CT system for quantitative molecular imaging. Proc SPIE. 7557: 75570A. **(2010)**

[C-12]. M. B. Unlu, **Y. Lin**, B. Grimmond, A. Sood, E. Uzgiris, O. Nalcioglu, G. Gulsen. A multimodal contrast agent for simultaneous magnetic resonance and optical imaging of small animal. Proc SPIE. 7557: 75570C. **(2010) Invited Paper**

[C-13]. **Y. Lin**, O. Nalcioglu, G. Gulsen. Fiber bundle based fluorescence tomography system for human breast imaging. Proc SPIE. 7371: 737108. **(2009)**

[C-14]. **Y. Lin**, W. C. Barber, J. S. Iwanczyk, E. Nygard, N. Malakov, N. E. Hartsough, T. Gandhi, W. W. Roeck, O. Nalcioglu, G. Gulsen. Dual-modality molecular imaging for small animals using fluorescence and x-ray computed tomography. Proc SPIE. 7370: 73700G. **(2009)**

[C-15]. **Y. Lin**, O. Nalcioglu, G. Gulsen. Fluorescence diffuse optical tomography with structural a priori information. Proc SPIE. 6850: 68500Z. **(2008)**

Peer-reviewed Conference Abstracts:

Space Radiation and Heavy Ion Therapy 2015 (Osaka Satellite Symposium of ICRR2015), Osaka, Japan

[A-1]. K. D. Held, **Y. Lin**, C. L. Tessa and A. Rusek. Heavy Ion Irradiations of Human Cell Lines. *Biology 2: High-LET (or heavy-ion) radiobiology in vitro.*

ASTRO's 57th Annual Meeting, San Antonio, Texas, October 18-21, 2015

[A-2]. J. Schuemann, **Y. Lin**, H. Paganetti, S McMahon. Effects of Gold Nanparticles for Radiation Therapy Enhancement. ***Best of Physics***

57th AAPM Annual Meeting, Anaheim, California, July 12-16, 2015

[A-3]. **Y. Lin**, K Held, S McMahon, H Paganetti, J Schuemann Investigation of Gold Nanoparticle Radiosensitization for Carbon Ion Therapy. *Therapy General Poster Discussion,* Program Number: SU-E-T-518.

[A-4]. **Y. Lin**, C La Tessa, A Rusek, K Held Irradiation of Human Cell Lines Using Carbon Ions: Real Time Dosimetry Using Gaf-Chromic Film. *Therapy General Poster Discussion,* Program Number: SU-E-T-526.

[A-5]. A McNamara, S McMahon, **Y Lin**, H Paganetti, Z Kuncic, J Schuemann Using Gold Nanoparticles to Target Mitochondria in Radiation Therapy. *Nanoparticles in Radiotherapy*, Program Number: TU-G-CAMPUS-T-4

56th AAPM Annual Meeting, Austin, Texas, July 20-24, 2014

[A-6]. **Y. Lin**, H. Paganetti, J. Schuemann. Biological Modeling of Gold Nanoparticle Radiosensitization for Proton Therapy. *Nanoparticle Applications for Radiation Therapy*, Program Number: WE-G-BRE-2

[A-7]. **Y. Lin**, H. Paganetti, J. Schuemann. Gold Nanoparticle Induced Vasculature Damage for Proton Therapy: Monte Carlo Simulation. *Nanoparticle Applications for Radiation Therapy*, Program Number: WE-G-BRE-4.

33rd ESTRO Annual Meeting, Vienna, Austria, April 4-8, 2014

[A-8]. **Y. Lin**, M. Scarpelli, H. Paganetti, J. Schuemann. Quantification of gold nanoparticle induced microscopic dose enhancement using protons. *Radiobiological modeling*, Program Number: E33-0604.

[A-9]. **Y. Lin**, H. Paganetti, J. Schuemann. Biological modeling of gold nanoparticle radiosensitization for proton therapy. *Radiobiological modeling*, Program Number: E33-0436.

55th AAPM Annual Meeting, Indianapolis, Indiana, August 4-8, 2013

[A-10]. D. Roa, **Y. Lin**, N. Hanna, M. Al-Ghazi, J. Kuo**.** Out-of-Field fetal dose measurement from a head-and-neck treatment with VMAT: An anthropomorphic phantom study. *Therapy SNAP*, Program Number: SU-C-137-1.

ASTRO's 55th Annual Meeting, Georgia, Atlanta, September 22 - 25, 2013

[A-11]. **Y. Lin**, T. Liu, X. Yang, Y. Wang, M. K. Khan. Respiratory Induced Prostate Motion Using Wavelet Decomposition of the Real-time Electromagnetic Tracking Signal. *Treatment management of IMRT/IGRT/ART*

[A-12]. **Y. Lin**, T. Liu, W. Yang, X. Yang, Y. Wang, M. K. Khan. The Non-Gaussian Nature of Prostate Motion Based on Real-Time Intra-fraction Tracking. *Treatment management of IMRT/IGRT/ART*

ACRO Annual Meeting, San Antonio, Texas, USA, February14-16, 2013

[A-13]. N. Hanna, **Y. Lin**, M. Al-Ghazi, J. Kuo, D. E. Roa. Out-of-Field dose distribution for a head-and-neck case treated with VMAT – An anthropomorphic phantom study to simulate radiation to a gravid uterus. *Clinical Investigations*, Program Number: 0019.

ASTRO's 54th Annual Meeting, Boston, USA, Oct 28-31, 2012

[A-14]. D. E. Roa, **Y. Lin**, J. Kuo, M. Al-Ghazi. Dose Measurements outside the Treatment Field from a VMAT Technique using an Anthropomorphic Phantom - Preliminary Data. *Treatment management of IMRT/IGRT/ART,* Program Number: 2586.

54th AAPM Annual Meeting, Charlotte, NC, USA, July 29- August 2, 2012

[A-15]. **Y. Lin**, C. Limoli, M. Acharya, L. Christie, O. Bosch, V. Kumar, M. Hamamura, D. Roa Irradiating a Single Hippocampus in a Small Rodent Using VMAT-RapidArc SRS: Preliminary Data. *Joint Imaging/Therapy Physics*, Program Number: SU-E-T-271.

[A-16]. **Y. Lin,** D. Chang, D. Bota, D. Roa, M. Al-Ghazi, H. Yu, J. Kuo, K. Nie, P. Fwu, M-Y Su. Quantitative Analysis of Longitudinal Cognitive Impairment Due to Radiation Therapy Based On Automatic Segmentation of Hippocampus and Subcortical Structure. *Joint Imaging/Therapy Physics*, Program Number: SU-E-J-108.

20th ISMRM Annual Meeting, Melbourne, Australia, May 5-11, 2012

[A-17]. **Y. Lin**, J-H. Chen, W-C Lin, P. T. Fwu, T-C. Shih, O. Nalcioglu and M-Y. L. Su. Simulation of temperature distribution in the pelvic tissues during radical prostatectomy with insertion of an endorectal cooling balloon. Program Number: 2926

BIOMED Topical Meeting of OSA, Miami, Florida, April 29-May 02, 2012

[A-18]. **Y. Lin**, L. Bolinsay, M. Ghijsen, T. Kwong and G. Gulsen. Fluorescence Tomography using Temperature Modulation. Program Number: 1312046

[A-19]. M. Hsing, **Y. Lin** and G. Gulsen. Pharmacokinetic Analysis for Tumor Characterization Using MR-Guided Dynamic Contrast Enhanced Diffuse Optical Tomography. Program Number: 1312056

[A-20]. Z. Deng, **Y. Lin**, J. Zimmermann and G Gulsen. Fully Automatic Ultrasound Guided Diffuse Optical Tomography (US-DOT) System for Whole Breast Imaging. Program Number: 1310232

[A-21]. **Y. Lin**, D. Thayer, A. Luk andG. Gulsen. Photo-Magnetic Imaging: Optical Imaging at MRI resolution. Program Number: 1312054

19th ISMRM Annual Meeting, Montreal, Canada, May 7-13, 2011

[A-22]. **Y. Lin**, M. T. Ghijsen, O. Nalcioglu and G. Gulsen. A combined MR- fluorescence tomography system for quantitative small animal imaging: in vivo validation. Program Number: 630

Optics in the Life Sciences: OSA Optics and Photonics Congress, Monterey, CA, USA April 4-6 2011

[A-23]. **Y. Lin**, M. Ghijsen, H. Gao, O. Nalcioglu and G. Gulsen. An MR compatible Frequency Domain Fluorescence Molecular Imaging System: Design and Phantom Studies. *Optical Molecular Probes, Imaging and Drug Delivery*, Program Number: OTuA4

[A-24]. A. Luk, **Y. Lin**, D. Thayer, B. Grimmond, A. Sood, Egidijus E. Uzgiris, O. Nalcioglu and G. Gulsen Simultaneous monitoring of a bi-functional optical-MRI contrast agent using a hybrid DOT-MRI system. *Bio-Optics: Design and Application*, Program Number: BMD4

18th ISMRM Annual Meeting, Stockholm, Sweden, May 1-7, 2010

[A-25]. **Y. Lin**, O. Nalcioglu and G. Gulsen. An MR compatible fluorescence tomography system. Program Number: 6291

[A-26]. **Y. Lin**, M. B. Unlu, B. Grimmond, A. Sood, E. E. Uzgiris, D. Thayer, H. Yan, O. Nacioglu and G. Gulsen. In Vivo Validation of Optical Tomography. Program Number: 6332

17th ISMRM Annual Meeting, Honolulu, Hawaii, USA, April 18-24, 2009

[A-27]. **Y. Lin**, M. B. Unlu, B. Grimmond, A. Sood, E. E. Uzgiris, O. Nalcioglu and G. Gulsen. A dual modality system for simultaneous monitoring of a bi-functional optical & MRI contrast agent for cancer detection. Program Number: 3152

[A-28]. M. B. Unlu, **Y. Lin**, O. Nalcioglu, G. Gulsen. Dynamic Imaging of Dual Contrast-Enhancement Using a Combined MR-Optical Imaging System. Program Number: 588

[A-29]. **Y. Lin**, H. Yan, O. Nalcioglu and G. Gulsen. Quantitative molecular imaging with a dual modality MR and fluorescence diffuse optical imaging system: phantom study. Program Number: 4175

ECBO Topical Meeting of OSA, Munich Germany, June 14-18, 2009

[A-30]. **Y. Lin**, W. C. Barber, J. S. Iwanczyk, E. Nygard, N. Malakov, N. E. Hartsough, T. Gandhi, W. W. Roeck, O Nalcioglu and Gultekin Gulsen. Dual-modality molecular imaging for small animals using fluorescence and x-ray computed tomography. Program Number*: 73700G*

[A-31]. **Y. Lin**, O. Nalcioglu and G. Gulsen. Fiber bundle based fluorescence tomography system for human breast imaging. Program Number*:737108*

2008 World Molecular Imaging Congress, Nice, France, September 10-13, 2008

[A-32]. **Y. Lin**, H. Yan, O. Nalcioglu and G. Gulsen. A Multimodality System for Quantitative Imaging of Fluorophore Concentration. Program Number*:0361*

[A-33]. **Y. Lin**, H. Yan, O. Nalcioglu, and G. Gulsen. Assessment of the effect of the inclusion size and position in fluorescence diffuse optical tomography. Program Number*:0360*

[A-34]. **Y. Lin**, M. B. Unlu, O. Nalcioglua and G. Gulsen. A dual modality system for simultaneous monitoring of an optical and a MRI contrast agent for cancer detection. Program Number*:0316*

16th ISMRM Annual Meeting, Toronto, Ontario, Canada, May 3-9, 2008

[A-35]. Y. Lin, O. Nalcioglu and G Gulsen. Quantitative molecular imaging with a combined fluorescence diffuse optical tomography and MRI system. Program Number: 4110

ASME 3rd Frontiers in Biomedical Devices Conference, California, USA, June18-20, 2008

[A-36]. M. B. Unlu, **Y. Lin**, O. Nalcioglu and G. Gulsen. A dual modality dynamic imaging system. Program Number: 38108

Joint Molecular Imaging Conference, Providence, RI, 2007

[A-37]. **Y. Lin**, H. Gao, O. Nalcioglu and G. Gulsen. Quantitative imaging of fluorophore concentration and lifetime with a combined fluorescence diffuse optical tomography and MRI system. Program Number: 0112