2014 New Investigator Travel Award Winners

Twelve New Investigators have earned Travel Awards to the 31st Annual Meeting of the Society for Thermal Medicine. $600 grants will be awarded based on applications and abstracts judged by a Committee of STM members chaired by Dr. Erik Cressman of the University of Texas MD Anderson Cancer Center. The awards are funded in part by the National Institutes of Health through grant R13CA174356 from the National Cancer Institute. In addition to the Travel Awards, these New Investigators will present their abstracts during the STM Annual Meeting scheduled May 7th in Minneapolis. STM Officers will also host the New Investigators at a private luncheon during the Annual Meeting.

**Matt Adams**
Radiation Oncology at University of California San Francisco
Mentor: Christopher Diederich
"Theoretical Design And Evaluation Of Endoluminal Ultrasound Applicators For Thermal Therapy Of Pancreatic Cancer Under Image Guidance"

**Anilchandra Attaluri**
Radiation Oncology & Molecular Radiation - Johns Hopkins University
Mentor: Robert Ivkov
"Magnetic Nanoparticle Hyperthermia As A Radiosensitizer For Locally Advanced Pancreas Cancer: An In-Vitro And In-Vivo Study"

**Edmond Balidemaj**
Radiotherapy Department at Academic Medical Center in Amsterdam
Mentor: Hans Crezee
"Imaging Electric Tissue Properties Using MRI For Improved SAR Assessment During Hyperthermia Treatment"

**Jason Chiang**
Radiology Department - University of Wisconsin - Madison
Mentor: Christopher Brace
"Water Vapor Transport during Microwave Ablations: Numerical Simulation and Experimental Validation"

**Christopher Dillon**
Bioengineering Dept - University of Utah
Mentor: Michael Payne
"A Novel Method For Quantifying Perfusion-Induced Energy Losses In Magnetic Resonance-GuidedFocused Ultrasound"
Amy Ku  
Immunology Dept - Roswell Park Cancer Institute  
Mentor: Sharon Evans  
"Myeloid-Derived Suppressor Cells Subvert The Immunostimulatory Activity Of Systemic Thermal Therapy By Blocking T Cell Trafficking In The Tumor Microenvironment”

Gaurav Kumar  
Dept of Radiology - Beth Isreal Deaconess Medical Center  
Mentor: Muneeb Ahmed  
"Celecoxib Suppresses Local Inflammatory And Systemic Pro-Oncogenic Effects Of Hepatic Radiofrequency (RF) Ablation In Small Animals”

Li Li  
Dept of Radiation Oncology at Duke University/Erasmus MC  
Mentor: Gerben Koning  
"The Effect Of Heat Cycling On Intratumoral Liposome Accumulation And Triggered Drug Release”

Brogan McWilliams  
Electrical & Computer Engineering - Kansas State University  
Mentor: Punit Prakash  
"A directional interstitial antenna for microwave tissue ablation: theoretical and experimental investigation”

Arlene Oei  
Academic Medical Center - University f Amsterdam  
Mentors: N.A.P. Franken/Hans Crezee  
"Parp1-Inhibition Sensitizes Combined Hyperthermia-Radiation And Combined Hyperthermia-Cddp Treatment Of Cervical Carcinoma Cells”

Frederik Soetaert  
Ghent University of Belgium  
Mentor: Luc Dupre  
“Optimal Switch-Off Times Of Pulsed Currents In Bipolar Radiofrequency Ablation”

Andrew Wong  
Biomedical Engineering at UC- Davis  
Mentor: Katherine Ferrara  
"Overcoming Accelerated Blood Clearance Of Cu-Doxorubicin Nanoparticles With Mr Guided Focused Ultrasound Thermal Ablation”