

**Dr. Jesse W. Wilson from the Duke University wins the  
*JenLab Young Investigator Award 2012*  
including \$2000 cash and a trip to Germany**



Dr. Jesse W. Wilson and Prof. Karsten König

The *JenLab Young Investigator Award* was presented during the SPIE conference *Photonics West* at San Francisco to **Dr. Jesse W. Wilson** for his paper titled: "In-vivo pump-probe microscopy of melanoma and pigmented lesions." The \$2000 cash prize was donated by the JenLab GmbH (Germany).

The members of the Review Committee chose two finalists among the applicants:

1. **B. Sc. Hod Dana** (Technion, Haifa, Israel, B.Sc. in Biomedical Engineering in 2007)
2. **Dr. Jesse W. Wilson** (Duke University, USA).

Both finalists presented their work as oral presentation during the Multiphoton Microscopy Conference. During the award ceremony, Prof. Karsten König, president of the company JenLab GmbH, invited both finalists to visit Germany and to present their outstanding work as invited speakers at the *International Workshop on Modern Lasermicroscopy FLIM2012* in Saarbrücken in June 2012 ([www.flim.ws](http://www.flim.ws)).

Dr. J.W. Wilson was selected as the first winner of the *JenLab Young Investigator Award*. Dr. Wilson received a B.S. degree with a double major in electrical engineering and computer science in 2004, a M.S. degree and a Ph.D. degree in electrical engineering in 2007 and 2010, respectively, from Colorado State University. He works as a Postdoctoral Associate in the group of Prof. Warren Warren at Duke University in Durham, North Carolina.

His award-winning research method is *in vivo* two-beam multiphoton microscopy of intratissue eumelanin and pheomelanin based on pump-probe spectroscopy. Individual melanocytes have been monitored in a human skin xenografted mouse model using an RF-modulated pump pulse train at 720 nm, an unmodulated probe pulse train at 820 nm, and a lock-in amplifier.

**Members of the Review Committee 2012:**

Prof. Paul J. Campagnola, University of Wisconsin-Madison  
Prof. Conor L. Evans, Harvard Medical School  
Prof. Karsten König, Saarland University and JenLab GmbH  
Dr. Arnd Krueger, Newport Inc.  
Prof. Ammasi Periasamy, University of Virginia  
Prof. Peter T.C. So, MIT



Prof. Campagnola, Prof. Evans, Dr. Krueger, Dr. Wilson, Prof. So, Prof. König, Prof. Periasamy



Prof. So, Dr. Wilson, Prof. König, Prof. Periasamy