

RPSC Young Investigator Award Recipients

2012 Young Investigator Award Winners

- 1st Place - Julie Czupryna - "In vivo pH detection using switchable ^{18}F labeled Cerenkov probes"
- 2nd Place - Yin Zhang - "Dual-modality PET and optical imaging of CD105 expression in breast cancer"
- 3rd Place - Kiel Neumann - "Statistical New rapid fluorination process for the production of carrier free-F-18 6-[^{18}F]FDA and 6-[^{18}F]-L-DOPA"

2011 Investigator Award Winners

- 1st Place - Johannes Notni - "TRAP-based multimeric peptide conjugates with unprecedented $^{68}\text{Ga}^3$ complexation efficiency and excellent in vivo characteristics"
- 2nd Place - Sarah Wessmann - "Preparation of highly reactive [^{18}F]fluoride without any evaporation step"
- 3rd Place - Nicolas Chouin - "Statistical and dosimetric analysis of the penetration of antibody fragments F(ab')₂ radiolabeled with ^{211}At within subcutaneous tumors"

2010 Investigator Award Winners

- 1st Place - Adriana Garcia – "Dual probe microPET imaging of rodent pancreas."
- 2nd Place - Ming-Qiang Zheng – "[^{11}C]LY2795050, an antagonist tracer for imaging the kappa opioid receptors."
- 3rd Place - Hancheng Cai – "Preparation and biological evaluation of ^{64}Cu labeled AmBaSar-RGD peptide for improved microPET imaging of integrin $\alpha\beta_3$ expression."

2009 Investigator Award Winners

- 1st Place - Julia Choi - "PET imaging of activated matriptase, a marker for cancer progression"
- 2nd Place - Herman Gill - "A platform for the rapid site-specific radiolabeling of proteins with ^{18}F exemplified by quantitative microPET imaging of HER2 expression"
- 3rd Place - Kristof Prinsen - "Radiosynthesis and preliminary evaluation of a ^{68}Ga -labeled benzylidene-bis-indole derivative for early detection of necrosis by PET in rodent models."

2008 Investigator Award Winners

- 1st Place - Dr. Ming Zhao - "99mTc-Duramycin as a novel apoptosis imaging agent with low molecular weight, fast clearance and low hepatic uptake."
- 2nd Place - Ann-Marie Chacko - "Novel C-5 [18F]fluoroalkylated nucleosides for PET imaging of HSV1-tk gene expression."
- 3rd Place - Samantha Soebbing - "Incorporation of histidine-rich metal-binding sites onto small protein scaffolds: Toward developing direct Tc-labeling of proteins."

2007 Investigator Award Winners

- 1st Place – C Mueller – "Preclinical studies of a novel 99mTc-radiofolate with improved characteristics for folate receptor-positive tumor targeting."
- 2nd Place - M. J. Gagnon – "High-throughput screening of molecular imaging agents using MicroPET."
- 3rd Place – Z. Li - "Click" labeling of a dimeric RGD peptide with 18F for microPET imaging of $\alpha v \beta 3$ integrin expression."

2006 Investigator Award Winners

- 1st Place - Neil Vasdev - "Syntheses and in vitro evaluation of fluorinated naphthoxazines as D₂ agonists: Radiosynthesis of [¹⁸F]FPHNO."
- Co - 2nd Place - Gjermund Henriksen - "Development of metabolically stabilized ¹¹C-labeled 2-(4-aminophenyl)benzothiazoles (BTAs) for imaging of amyloid plaques."
- Co - 2nd Place - Kim Serdons - "6-Methoxy-2-(4'-[¹⁸F]fluorophenyl)-1,3-benzothiazole and 6-methyl-2-(4'-[¹⁸F]fluorophenyl)-1,3-benzothiazole."

2005 Investigator Award Winners

- 1st Place - Neil Saigal - "¹⁸F-MEFWAY: A New PET radiotracer for serotonin 5HT_{1A} receptors."
- 2nd Place - Paul Schaffer - "The development of iso-structural fluorescent and radioactive HIV1-TAT probes for *in vivo* imaging of neural stem and progenitor cells."
- 3rd Place - Ambros J. Beer - "Non invasive quantification of $\alpha v \beta 3$ -expression in cancer patients: biodistribution, pharmacokinetics and dosimetry of [¹⁸F]galacto-RGD."

2004 Investigator Award Winners

- 1st Place - Nicholas T. Jeffery, M.Sci. - "Radiochemistry on Microfabricated devices: Proof of principle."
- 2nd Place - T. Poethko - "Multimeric ligand systems for high contrast imaging of $\alpha v \beta 3$ integrins."

- 3rd Place - Jennifer E. Sprague, B.S. - "In vitro and in vivo evaluation of copper-64 labeled tyr-3-octreotate using a cross-bridged cyclam ligand."

2003 Investigator Award Winners

- 1st Place - Nachwa Jarkas, Ph.D. - "Synthesis, characterization and microPET imaging of serotonin transporters (SERT) with [¹¹C]HOMADAM: A new diarylsulfide SERT PET imaging agent."
- 2nd Place - Karen Stephenson, B.Sc. - "Bifunctional single amino acid chelates (SAAC) as synthons for the solid phase synthesis of Tc(I) and Re(1) radiopharmaceuticals."
- 3rd Place - Vladimir Ponomarev, M.D. - "A novel triple modality reporter gene for whole body fluorescent, bioluminescent and nuclear non-invasive imaging."

2002 Investigator Award Winners

- 1st Place - Johnathan McConathy - "Uptake profiles of six ¹⁸F-labeled amino acids for tumor imaging: Comparison of in vitro and in vivo uptake of branched chain and cyclobutyl amino acids by 9L gliosarcoma tumor cells."
- 2nd Place - Yubin Miao, Ph.D. - "Improving the tumor to kidney uptake of ¹⁸⁸Re labeled alpha-melanocyte stimulating hormone peptide analogs."
- 3rd Place - Christophe Plisson, Ph.D. - "Synthesis, characterization and PET imaging of serotonin transporters (SERT) with ¹¹C-ZbRET and ¹¹C-ZIET: New tropane SERT imaging agents."