

President's Award of 121st Scientific Meeting of Japan Society of Medical Physics

Award	ID	Authors	Title
President's Award Gold	IS-36	Koki Kasamatsu Hikaru Hosoi, Sodai Tanaka, Koichi Miyazaki, Seishin Takao, Naoki Miyamoto, Kikuo Umegaki, Shinichi Shimizu, Taeko Matsuura	Inclusion of energy layer structure into an evaluation of dose delivery time effect in scanning proton therapy
	IS-31	Hiroya Shiomi Toshiro Tsubouchi, Yushi Wakisaka, Noriaki Hamatani, Masashi Yagi, Yumi Terasawa, Tatsuaki Kanai, Osamu Suzuki, Masashi Chatani, Kazuhiko Ogawa	Development of high-speed dose calculator for evaluation of robustness of carbon ion radiotherapy
	IS-44	Kenta Ninomiya Hidetaka Arimura, Wai Yee Chan, Kentaro Tanaka, Shinichi Mizuno, Nadia Fareeda Muhammad Gowdh, Nur Adura Yaakup, Chong-Kin Liam, Chee-Shee Chai, Kwan Hoong Ng	Radiogenomic Imaging Biopsy for EGFR-Mutated Patients with Non-small Cell Lung Cancer based on Contrast CT Images using Invariant Betti Numbers
President's Award Silver	IS-61	Dejun Zhou Mitsuhiro Nakamura, Nobutaka Mukumoto, Hiroaki Tanabe, Yusuke Iizuka, Michio Yoshimura, Masaki Kokubo, Yukinori Matsuo, Takashi Mizowaki	Development of AI-based prediction models in real-time tumor tracking radiotherapy
	IS-37	Kouhei Yokokawa Keiji Kobashi, Naoki Miyamoto, Kikuo Umegaki	A method for evaluating the achievement probabilities of prescribed dose criteria under arbitrary respiratory motion in particle therapy
	IS-32	Yohei Souma Shunsuke Yonai, Shinnosuke Matsumoto, Rikako Sodeyama	Development of log file based Monte Carlo calculation method for patient-specific QA in carbon-ion radiotherapy
President's Award Bronze	IS-103	Dousatsu Sakata Oleg Belov, Marie-Claude Bordage, Dimitris Emfietzoglou, Susanna Guatelli, Taku Inaniwa, Vladimir Ivanchenko, Mathieu Karamitros, Ioanna Kyriakou, Nathanael Lampe, Ivan Petrovic, Aleksandra Ristic-Fira, Wook-Geun Shin, Sebastien Incerti	Fully integrated Monte Carlo simulation for evaluating radiation induced DNA damage and subsequent repair using Geant4-DNA
	IS-40	Kouhei Oguma Taiki Magome, Masanori Someya, Tomokazu Hasegawa, Koh-ichi Sakata	Prediction of prostate cancer recurrence using machine learning models developed with extrapolation data
	IS-68	Kengo Shibuya Haruo Saito, Fumihiko Nishikido, Miwako Takahashi, Taiga Yamaya	Noninvasive probing of oxygen partial pressure using positronium atom and its application in PET