日本放射線影響学会・学会通信担当より

「学会誌Journal of Radiation Research 58巻6号出版」につきお知らせします。

（発信者：オックスフォード大学出版局）

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学会誌Journal of Radiation Researchの最新号が出版されました。完全オープンアクセスジャーナルですので、全ての論文を無料でお読みいただけます。以下に目次を掲載致しますので、ぜひご一読ください。

[https://academic.oup.com/jrr/issue/58/](https://academic.oup.com/jrr/issue/58/6)6

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BIOLOGY

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Carbon ion irradiation abrogates Lin28B-induced X-ray resistance in melanoma cells

Seong-Joon Park et al.

<https://doi.org/10.1093/jrr/rrx022>

An ion beam–induced *Arabidopsis* mutant with marked chromosomal rearrangement

Ayako N Sakamoto et al.

<https://doi.org/10.1093/jrr/rrx024>

Impact of time interval and dose rate on cell survival following low-dose fractionated exposures

Shingo Terashima et al.

<https://doi.org/10.1093/jrr/rrx025>

Differences in responses to X-ray exposure between osteoclast and osteoblast cells

Jian Zhang et al.

<https://doi.org/10.1093/jrr/rrx026>

Equivalency of the quality of sublethal lesions after photons and high-linear energy transfer ion beams

Yoshiya Furusawa et al.

<https://doi.org/10.1093/jrr/rrx030>

Chronic irradiation with low-dose-rate 137Cs-γ rays inhibits NGF-induced neurite extension of PC12 cells via Ca2+/calmodulin-dependent kinase II activation

Katoh Shinsuke et al.

<https://doi.org/10.1093/jrr/rrx032>

The CD44 standard isoform contributes to radioresistance of pancreatic cancer cells

Kento Tsubouchi et al.

<https://doi.org/10.1093/jrr/rrx033>

NFAT3/c4-mediated excitotoxicity in hippocampal apoptosis during radiation-induced brain injury

Meiling Xu et al.

<https://doi.org/10.1093/jrr/rrx041>

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ONCOLOGY

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Investigation of the efficacy and safety of CyberKnife hypofractionated stereotactic radiotherapy for brainstem metastases using a new evaluation criterion: ‘symptomatic control’

Masaki Nakamura et al.

<https://doi.org/10.1093/jrr/rrx042>

Margin estimation and disturbances of irradiation field in layer-stacking carbon-ion beams for respiratory moving targets

Shinya Tajiri et al.

<https://doi.org/10.1093/jrr/rrx001>

Endobronchial brachytherapy with curative intent: the impact of reference points setting according to the bronchial diameter

Yoshihito Nomoto et al.

<https://doi.org/10.1093/jrr/rrx031>

Preliminary comparison of the registration effect of 4D-CBCT and 3D-CBCT in image-guided radiotherapy of Stage IA non–small-cell lung cancer

Zhibo Tan et al.

<https://doi.org/10.1093/jrr/rrx040>

Clinical utility of texture analysis of 18F-FDG PET/CT in patients with Stage I lung cancer treated with stereotactic body radiotherapy

Kazuya Takeda et al.

<https://doi.org/10.1093/jrr/rrx050>

Clinical outcomes of 125I brachytherapy with and without external-beam radiation therapy for localized prostate cancer: results from 300 patients at a single institution in Japan

Sayo Maki et al.

<https://doi.org/10.1093/jrr/rrx051>

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TECHNICAL REPORT

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Region-specific irradiation system with heavy-ion microbeam for active individuals of *Caenorhabditis elegans*

Michiyo Suzuki et al.

<https://doi.org/10.1093/jrr/rrx043>

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SHORT COMMUNICATIONS

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Radon inhalation induces manganese-superoxide dismutase in mouse brain via nuclear factor-κB activation

Takahiro Kataoka et al.

<https://doi.org/10.1093/jrr/rrx048>

Dose-rate effect of ultrashort electron beam radiation on DNA damage and repair *in vitro*

Nelly Babayan et al.

<https://doi.org/10.1093/jrr/rrx035>

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Corrigendum

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<https://doi.org/10.1093/jrr/rrx046>

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List of Reviewers

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<https://doi.org/10.1093/jrr/rrx079>

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