

[H30-2]

血液関門細胞における薬剤輸送、ホウ素中性子捕捉療法及び放射線による抗癌剤標的療法への大気マイクロ PIXE 分析の応用”

Application of PIXE Analysis for Three Biological Researches: Drug Transport in Microvascular Endothelial Cells, Boron analysis for neutron capture therapy, and Targeted Anticancer Drug Delivery Directed by Radiation.

学術論文（査読あり）

[1] Satoshi Harada, Takafumi Segawa, Shigeru Ehara, Takahiro Sato 「Treatment of primary and metastatic tumors through cancer immunotherapy and abscopal effect by targeted antigen-capturing nanoparticles with programmed death-1 blockade、 International Journal of PIXE, IN PRESS.

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学術論文（査読なし）

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博士論文

[1] Takafumi Segawa, Satoshi Harada, Takahiro Sato, and Shigeru Ehara, Delivery and Effectiveness of Carboplatin via Targeted Delivery Compared to Passive Accumulation of Intravenously Injected Particles Releasing Carboplatin upon Irradiation. RADIATION RESEARCH 193, P 263–273 2020.

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修士論文

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卒業論文

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国際会議

[1] Satoshi Harada, Takafumi Segawa, Shigeru Ehara, Takahiro Sato. “Imaging of Primary and Metastatic Tumors and Their Treatment through via Cancer Immunotherapy, Abscopal Effects, and Reduction of Circulating Tumor Cells Using Radiotherapy-Directed Encapsulated Antigen-Capturing Nanoparticles containing Chitosan”

(Oral presentation) 61th Annual meeting of American Society of Radiation Oncology (ASTRO), McCormick place, Chicago Illinois, USA, October 2019.

[2] Satoshi Harada, Takafumi Segawa, Shigeru Ehara, Takahiro Sato. “Imaging and treatment of primary and metastasized tumors through abscopal immunotherapy effects, and reduction of circulating tumor cells using targeted antigen-capturing nanoparticles containing chitosan and anti-sema7a antibodies”, directed by radiation. (Oral presentation) 104th Scientific Assembly and Annual Meeting of Radiation Society of North America (RSNA), McCormick place, Chicago Illinois, USA, November 2019.

[3] Tsurubuchi T, Matsumoto K, Ubagai R, Nakai K, Yoshida F, Zaboronok A, Shirakawa M, Suzuki M, Sakurai Y, Tanaka H, Matsumura A. “In vivo Evaluation of Novel Boron containing compound A-1 for BNCT.” (Oral presentation) YBNCT to Helsinki 2019. (FINISH SOCIETY FOR NEUTRON CAPTURE THERAPY Offers to organize the 10th YBNCT meeting), Meilahti campus, Helsinki, Finland, September 2019.

[4] Nakai K, Kumada H, Matsumoto Y, Matsumura A, Sakurai H. “Study on Application of BNCT to skin malignant melanoma in Japan.” (Oral presentation) YBNCT to Helsinki 2019. (FINISH SOCIETY FOR NEUTRON CAPTURE THERAPY Offers to organize the 10th YBNCT meeting), Meilahti campus, Helsinki, Finland, September 2019.

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国内会議

[1] Satoshi Harada, Takafumi Segawa, Shigeru Ehara, Takahiro Sato. “Imaging of Primary and Metastatic Tumors and their Treatment through Abscopal Effects and Cancer Immunotherapy using Encapsulated, Radiotherapy-Directed Maleimide-Antigen-Capturing Nanoparticles”. 第 77 回日本医学放射線学会総会、横浜、2019.
” (Oral presentation)

[2] 中井啓, 吉田文代, 松村明, 江夏昌志, 山田尚文, 山縣諒平, 佐藤隆博, 松本孔貴, 櫻井英幸. マイクロビーム PIGE を用いた細胞内外ホウ素分布測定を試み Nal 検出器と HPGe の検出器の比較. 第 16 回日本中性子捕捉療法学会学術大会, 京都市/京都大学宇治キャンパス, 2019.9.7-9.8. 口演

[2] 白川真, 中井啓, 大本拓実, 重藤真希, 吉田文代, 竹内亮太, 鈴木実, 堀均, 松村明. 新規 PEG 化ホウ素化合物の生体内分布と BNCT による治療効果の評価. 第 16 回日本中性子捕捉療法学会学術大会, 京都市/京都大学宇治キャンパス, 2019.9.7-9.8. 口演

国内会議

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招待講演等

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解説・記事等

[1] 石川仁, 中井啓, 野中哲生, 櫻井英幸. がん治療における Particle Therapy の現状と展望」[Particle Therapy in Cancer Treatment-Current and Future Perspective]. 癌と化学療法. 2019;46(8):1219-25.

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新聞発表等

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特許等

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