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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

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.
- [2] E Sato, A Zaboronok, T Yamamoto, K Nakai, et. al. Radiobiological response of U251MG, CHO-K1 and V79 cell lines to accelerator-based boron neutron capture therapy. J. Radiat Res 59(2) pp.101-107, 2018
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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, Targeted delivery of carboplatin via passive accumulation of intravenously injected particles releasing carboplatin upon irradiation. (RADIATION RESEARCH, IN PRESS.)
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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 Abscopal Effects and Cancer Immunotherapy using Encapsulated, Radiotherapy-Directed Antigen-Capturing Nanoparticles”. (Oral presentation) 60th Annual meeting of American Society of Radiation Oncology, San Antonio Texas USA. October 21st - 24th 2018.
- [2] Satoshi Harada, Takafumi Segawa, Shigeru Ehara, Takahiro Sato. “Imaging and treatment of primary and metastasized tumors through immunotherapy using targeted antigen-capturing nanoparticles with serum amyloid A1 along with radiation and PD-L1 blockade” (Oral presentation) 104th Scientific Assembly and Annual Meeting of Radiation Society of North America, Chicago Illinois, USA, November 25th – 30th 2018.
- [3] Sakurai E, Sakurai E, Matsuyama S, Ishii K, Kamiya T, Satoh T., The effects of Wakosil OR as a model of PM2.5 and/or Nicotine on Trace Elements Distribution in Lung Microvascular Endothelial Cells, 18th World Congress of Basic and Clinical Pharmacology (WCP2018), Kyoto, July, 1st - 6th 2018.
- [4] Kei Nakai, Keita Endo, Fumiyo Yoshida, Masashi Koka, Naoto Yamada, Takahiro Satoh, Akira Matsumura Boron analysis and imaging of 2hr-BPA-exposed cells by using micro proton particle induced gamma-ray emission (PIGE). International Congress on Neutron Capture Therapy Taiwan October 28th – November 2nd 2018.

国内会議

- [1] Satoshi Harada, Takafumi Segawa, Shigeru Ehara, Takahiro Sato. “Nanoparticle imaging and treatment of primary and metastasized tumor through immunogenic cell death (ICD) and abscopal effect, respectively, by targeted Merck

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” (Oral presentation)

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フォーラム 2018 衛生薬学・環境トキシコロジー、2018 年 9 月 9-10 日(佐世保)
ニコチン、PM2.5 の曝露による肺血液血管内皮細胞への影響 ～微量元素の変化からの考察～

[3] Alexander Zaboronok, Sergey Taskaev, Olga Volkova, Ludmila Mechetina, Alexander Taranin, Vladimir Kanygin, Alexander Zelenetskii, Sergey Uspenskii, Polina Khaptakhanova, 石川 栄一, 中井 啓, 山本 哲哉, Bryan J. Mathis, 鶴淵 隆夫, 松村 明 複合ホウ素-金ナノ粒子を用いた悪性神経膠腫に対する加速器中性子源による中性子捕捉療法の開発 日本脳神経外科学会 第 77 回 学術大会 2018

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招待講演等

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解説・記事等

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新聞発表等

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特許等

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