

## Yoko Nishiga

Postdoctoral Scholar, Radiation Physics

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#### PROFESSIONAL EDUCATION

- Doctor of Medicine, Kyoto University (2007)
- Doctor of Philosophy, Kyoto University (2015)

### Publications

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#### PUBLICATIONS

- **Radiotherapy in combination with CD47 blockade elicits a macrophage-mediated abscopal effect.** *Nature cancer*  
Nishiga, Y., Drainas, A. P., Baron, M., Bhattacharya, D., Barkal, A. A., Ahrari, Y., Mancusi, R., Ross, J. B., Takahashi, N., Thomas, A., Diehn, M., Weissman, I. L., Graves, et al  
2022
- **Inter-cellular CRISPR screens reveal regulators of cancer cell phagocytosis.** *Nature*  
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2021
- **Hypofractionated intensity-modulated radiotherapy with concurrent chemotherapy for elderly patients with locally advanced pancreatic carcinoma.** *Radiation oncology (London, England)*  
Iwai, T., Yoshimura, M., Ashida, R., Goto, Y., Kishi, T., Itasaka, S., Shibuya, K., Kanai, M., Masui, T., Fukuda, A., Isoda, H., Hiraoka, M., Mizowaki, et al  
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- **Immune receptor inhibition through enforced phosphatase recruitment.** *Nature*  
Fernandes, R. A., Su, L. n., Nishiga, Y. n., Ren, J. n., Bhuiyan, A. M., Cheng, N. n., Kuo, C. J., Picton, L. K., Ohtsuki, S. n., Majzner, R. G., Rietberg, S. P., Mackall, C. L., Yin, et al  
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- **Ubiquitin carboxyl-terminal hydrolase L1 promotes hypoxia-inducible factor 1-dependent tumor cell malignancy in spheroid models.** *Cancer science*  
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- **Evaluation of Dynamic Tumor-tracking Intensity-modulated Radiotherapy for Locally Advanced Pancreatic Cancer.** *Scientific reports*  
Nakamura, A., Hiraoka, M., Itasaka, S., Nakamura, M., Akimoto, M., Ishihara, Y., Mukumoto, N., Goto, Y., Kishi, T., Yoshimura, M., Matsuo, Y., Yano, S., Mizowaki, et al  
2018; 8 (1): 17096
- **Clinical evaluation of intensity-modulated radiotherapy for locally advanced pancreatic cancer.** *Radiation oncology (London, England)*  
Goto, Y., Nakamura, A., Ashida, R., Sakanaka, K., Itasaka, S., Shibuya, K., Matsumoto, S., Kanai, M., Isoda, H., Masui, T., Kodama, Y., Takaori, K., Hiraoka, et al  
2018; 13 (1): 118

- **Clinical results of dynamic tumor tracking intensity-modulated radiotherapy with real-time monitoring for pancreatic cancers using a gimbal mounted linac.** *Oncotarget*  
Goto, Y., Ashida, R., Nakamura, A., Itasaka, S., Shibuya, K., Akimoto, M., Mukumoto, N., Matsumoto, S., Kanai, M., Isoda, H., Masui, T., Kodama, Y., Nakamura, et al  
2018; 9 (34): 23628-23635
- **Regulatory mechanisms of hypoxia-inducible factor 1 activity: Two decades of knowledge.** *Cancer science*  
Koyasu, S., Kobayashi, M., Goto, Y., Hiraoka, M., Harada, H.  
2018; 109 (3): 560-571
- **A Prospective Study of Intensity-modified Radiation Therapy in Comparison with Conventional 3D-RT for BR Pancreatic Cancer Patients with Arterial Involvement.** *Anticancer research*  
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2017; 37 (12): 7023-7030
- **A circadian clock gene, PER2, activates HIF-1 as an effector molecule for recruitment of HIF-1# to promoter regions of its downstream genes.** *The FEBS journal*  
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Goto, Y., Koyasu, S., Kobayashi, M., Harada, H.  
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- **Inter- and Intrafractional Variation in the 3-Dimensional Positions of Pancreatic Tumors Due to Respiration Under Real-Time Monitoring.** *International journal of radiation oncology, biology, physics*  
Akimoto, M., Nakamura, M., Nakamura, A., Mukumoto, N., Kishi, T., Goto, Y., Mizowaki, T., Hiraoka, M.  
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- **UCL1-HIF-1 axis-mediated antioxidant property of cancer cells as a therapeutic target for radiosensitization.** *Scientific reports*  
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- **LY6E: a conductor of malignant tumor growth through modulation of the PTEN/PI3K/Akt/HIF-1 axis.** *Oncotarget*  
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2016; 7 (40): 65837-65848
- **Aberrant IDH3# expression promotes malignant tumor growth by inducing HIF-1-mediated metabolic reprogramming and angiogenesis.** *Oncogene*  
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- **Clinical outcome and patterns of recurrence of head and neck squamous cell carcinoma with a limited field of postoperative radiotherapy.** *Japanese journal of clinical oncology*  
Goto, Y., Kodaira, T., Furutani, K., Tachibana, H., Tomita, N., Ito, J., Hanai, N., Ozawa, T., Hirakawa, H., Suzuki, H., Hasegawa, Y.  
2013; 43 (7): 719-25
- **Alternating chemoradiotherapy in patients with nasopharyngeal cancer: prognostic factors and proposal for individualization of therapy.** *Journal of radiation research*  
Goto, Y., Kodaira, T., Fuwa, N., Mizoguchi, N., Nakahara, R., Nomura, M., Tomita, N., Tachibana, H.  
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- **Treatment outcomes of definitive chemoradiotherapy for patients with hypopharyngeal cancer.** *Journal of radiation research*  
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- **Predictive factors for radiation pneumonitis in oesophageal cancer patients treated with chemoradiotherapy without prophylactic nodal irradiation.** *The British journal of radiology*  
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