

### Jean-Luc RAVANAT, list of publications

- (1) Taverna Porro, M. L., Saint-Pierre, C., Gasparutto, D., and Ravanat, J. L. (2020) Solid-phase synthesis of branched oligonucleotides containing a biologically relevant dCyd341 interstrand crosslink DNA lesion. *Org Biomol Chem* 18, 1892-1899.
- (2) Lebraud, E., Pinna, G., Siberchicot, C., Depagne, J., Busso, D., Fantini, D., Irbah, L., Robeska, E., Kratassiouk, G., Ravanat, J. L., Epe, B., Radicella, J. P., and Campalans, A. (2020) Chromatin recruitment of OGG1 requires cohesin and mediator and is essential for efficient 8-oxoG removal. *Nucleic Acids Res* 48, 9082-8097.
- (3) Gombeau, K., Bonzom, J. M., Cavalie, I., Camilleri, V., Orjollet, D., Dubourg, N., Beaugelin-Seiller, K., Bourdineaud, J. P., Lengagne, T., Armant, O., Ravanat, J. L., and Adam-Guillermin, C. (2020) Dose-dependent genomic DNA hypermethylation and mitochondrial DNA damage in Japanese tree frogs sampled in the Fukushima Daiichi area. *J Environ Radioact* 225, 106429.
- (4) Cribiu, P., Devaux, A., Garnero, L., Abbaci, K., Bastide, T., Delorme, N., Queau, H., Degli Esposti, D., Ravanat, J. L., Geffard, O., Bony, S., and Chaumot, A. (2020) A "Population Dynamics" Perspective on the Delayed Life-History Effects of Environmental Contaminations: An Illustration with a Preliminary Study of Cadmium Transgenerational Effects over Three Generations in the Crustacean Gammarus. *Int J Mol Sci* 21.
- (5) Charazac, A., Fayyad, N., Beal, D., Bourgoïn-Voillard, S., Seve, M., Sauvaigo, S., Lamartine, J., Soularue, P., Moratille, S., Martin, M. T., Ravanat, J. L., Douki, T., and Rachidi, W. (2020) Impairment of Base Excision Repair in Dermal Fibroblasts Isolated From Nevoid Basal Cell Carcinoma Patients. *Front Oncol* 10, 1551.
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- (7) Weynand, J., Bonnet, H., Loiseau, F., Ravanat, J. L., Dejeu, J., Defrancq, E., and Elias, B. (2019) Targeting G-Rich DNA Structures with Photoreactive Bis-Cyclometallated Iridium(III) Complexes. *Chem Eur J* 25, 12730-12739.
- (8) Sarre, A., Stelter, M., Rollo, F., De Bonis, S., Seck, A., Hognon, C., Ravanat, J. L., Monari, A., Dehez, F., Moe, E., and Timmins, J. (2019) The three Endonuclease III variants of *Deinococcus radiodurans* possess distinct and complementary DNA repair activities. *DNA Repair (Amst)* 78, 45-59.
- (9) Chan, C.-H., Monari, A., Ravanat, J.-L., and Dumont, E. (2019) Probing interaction of a trilycine peptide with DNA behind formation of guanine-lysine cross-links: insights from molecular dynamics. *Physical Chemistry Chemical Physics* 21, 23418-23424.
- (10) Ravanat, J. L. (2018) Endogenous natural and radiation-induced DNA lesions: differences and similarities and possible implications for human health and radiological protection. *Radioprotection* 53, 241-248.
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- (14) Raibaut, L., Vasseur, W., Shimberg, G. D., Saint-Pierre, C., Ravanat, J.-L., Michel, S. L. J., and S n eque, O. (2017) Design of a synthetic luminescent probe from a biomolecule binding domain: selective detection of AU-rich mRNA sequences. *Chem. Sci.* 8, 1658-1664.

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- (18) Carriere, M., Sauvaigo, S., Douki, T., and Ravanat, J. L. (2017) Impact of nanoparticles on DNA repair processes: current knowledge and working hypotheses. *Mutagenesis* 3, 303-213.
- (19) Bignon, E., Chan, C. H., Morell, C., Monari, A., Ravanat, J. L., and Dumont, E. (2017) Molecular Dynamics Insights into Polyamine-DNA Binding Modes: Implications for Cross-Link Selectivity. *Chem. Eur. J* 23, 12845.
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- (31) Aude-Garcia, C., Dalzon, B., Ravanat, J. L., Collin-Faure, V., Diemer, H., Strub, J. M., Cianferani, S., Van Dorselaer, A., Carriere, M., and Rabilloud, T. (2016) A combined proteomic and targeted analysis unravels new toxic mechanisms for zinc oxide nanoparticles in macrophages. *J. Proteomics* 134, 174\_185.

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