

**Projet CONCERTO**  
**Jean-François Dumas**

**Liste des publications**

**2019**

1-Le Goff M, Delbrut A, Quinton M, Pradelles R, Bescher M, Burel A, Schoefs B, Sergent O, Lagadic-Gossmann D, Le Ferrec E\*, Ulmann L\*. Protective Action of *Ostreococcus tauri* and *Phaeodactylum tricornutum* Extracts towards Benzo[a]Pyrene-Induced Cytotoxicity in Endothelial Cells. *Mar Drugs*. 2019. 18(1):3.

2-Le Goff M, Lagadic-Gossmann D, Latour R, Podechard N, Grova N, Gauffre F, Chevance S, Burel A, Appenzeller BMR, Ulmann L, Sergent O, Le Ferrec E. PAHs increase the production of extracellular vesicles both in vitro in endothelial cells and in vivo in urines from rats. *Environ Pollut*. 2019. 255(Pt 1):113171.

3-van Meteren N, Lagadic-Gossmann D, Chevanne M, Gallais I, Gobart D, Burel A, Bucher S, Grova N, Fromenty B, Appenzeller BMR, Chevance S, Gauffre F, Le Ferrec E, Sergent O. Polycyclic aromatic hydrocarbons can trigger hepatocyte release of extracellular vesicles by various mechanisms of action depending on their affinity for the aryl hydrocarbon receptor. *Toxicol Sci*. 2019. 31:kfz157.

4-Picou F, Vignon C, Debeissat C, Lachot S, Kosmider O, Gallay N, Foucault A, Estienne MH, Ravalet N, Bene MC, Domenech J, Gyan E, Fontenay M, Hérault O. Bone marrow oxidative stress and specific antioxidant signatures in myelodysplastic syndromes. *Blood Adv*. 2019. 3: 4271-4279.

**2020**

5-Ahmadpour ST, Mahéo K, Servais S, Brisson L, Dumas JF. Cardiolipin, the Mitochondrial Signature Lipid: Implication in Cancer. *Int J Mol Sci*. 2020. 21(21):8031. Review.

6-Dolly A, Dumas JF, Servais S. Cancer cachexia and skeletal muscle atrophy in clinical studies: what do we really know? *J Cachexia Sarcopenia Muscle*. 2020. Review.

7-Dumas JF, Brisson L. Interaction between adipose tissue and cancer cells: role for cancer progression. *Cancer Metastasis Rev*. 2020. Review.

8-Fekir, Karim, H  l  ne Dubois-Pot-Schneider, Romain D  sert, Yoann Daniel, Denise Glaise, Claudine Rauch, Fabrice Morel, et al. « Retrodifferentiation of Human Tumor Hepatocytes to Stem Cells Leads to Metabolic Reprogramming and Chemoresistance ». *Cancer Research*. 2020. 79, no 8: 1869 83.

9-Guermouche H, Ravalet N, Gallay N, Deswarte C, Foucault A, Beaud J, Rault E, Saindoy E, Lachot S, Martignoles J, Gissot V, Suner L, Gyan E, Delhommeau F, H  rault O, Hirsch P. High prevalence of clonal hematopoiesis in the blood and the bone marrow of healthy volunteers. *Blood Adv*. 2020. 4:3550-3557.

10-Kouzi F, Zibara K, Bourgeois J, Picou F, Gallay N, Brosseau J, Dakik H, Roux B, Hamard S, Le Nail LR, Hleihel R, Foucault A, Ravalet N, Rouleux-Bonnin F, Gouilleux F, Mazurier F, Bene MC, Akl H, Gyan E, Domenech J, El-Sabban M, H  rault O. Disruption of gap junctions attenuates acute myeloid leukemia chemoresistance induced by bone marrow mesenchymal stromal cells. *Oncogene*. 2020. 39:1198-1212

11-van Meteren N, Lagadic-Gossmann D, Podechard N, Gobart D, Gallais I, Chevanne M, Collin A, Burel A, Dupont A, Rault L, Chevance S, Gauffre F, Le Ferrec E, Sergent O. Extracellular vesicles released by polycyclic aromatic hydrocarbons-treated hepatocytes trigger oxidative stress in recipient hepatocytes by delivering iron. *Free Radic Biol Med.* 2020. 160:246-262

12-Nocquet L, Juin P, Souazé F. Mitochondria at the center of exchanges between cancer cells and cancer-associated fibroblasts during tumor progression. *Cancers.* 2020,12, 3017

13-Paolini L, Adam C, Beauvillain C, Preisser L, Blanchard S, Pignon P, Seegers V, Chevalier LM, Campone M, Wernert R, Verrielle V, Raro P, Ifrah N, Lavoué V, Descamps P, Morel A, Catros V, Tcherkez G, Lenaers G, Bocca C, Kouassi Nzoughet J, Procaccio V, Delneste Y, Jeannin P. Lactic Acidosis Together with GM-CSF and M-CSF Induces Human Macrophages toward an Inflammatory Protumor Phenotype. *Cancer Immunol Res.* 2020. 8(3):383-395.

14-Vignon C, Debeissat C, Bourgeois J, Gallay N, Kouzi F, Anginot A, Picou F, Guardiola P, Ducrocq E, Foucault A, Ravalet R, Le Nail LR, Domenech J, Béné MC, Le Bousse-Kerdilès MC, Gyan E, Herault O. Involvement of GPx-3 in the reciprocal control of redox metabolism in the leukemic niche. *Int J Mol Sci.* 2020 21:8584

15- Rieux C, Goffinont S, Coste F, Tber Z, Cros J, Roy V, Guérin M, Gaudon V, Bourg S, Biela A, Aucagne V, Agrofoglio L, Garnier N, Castaing B. Thiopurine Derivative-Induced Fpg/Nei DNA Glycosylase Inhibition: Structural, Dynamic and Functional Insights. *IJMS.* 2020. 21, 2058.

## 2021

16- Dolly A, Lecomte T, Tabchouri N, Caulet M, Michot N, Anon B, Chautard R, Desvignes Y, Ouaissi M, Fromont-Hankard G, Dumas JF, Servais S. Pectoralis major muscle atrophy is associated with mitochondrial energy wasting in cachectic patients with gastrointestinal cancer. *J Cachexia Sarcopenia Muscle.* 2022 Mar 22.

17 - Orre C, Dieu X, Guillon J, Gueguen N, Ahmadpour ST, Dumas JF, Khiati S, Reynier P, Lenaers G, Coqueret O, Chevrollier A, Mirebeau-Prunier D, Desquiret-Dumas V. The Long Non-Coding RNA SAMMSON Is a Regulator of Chemosensitivity and Metabolic Orientation in MCF-7 Doxorubicin-Resistant Breast Cancer Cells. *Biology (Basel).* 2021 Nov 9;10(11):1156.

18 - Ahmadpour ST, Desquiret-Dumas V, Yikilmaz U, Dartier J, Domingo I, Wetterwald C, Orre C, Gueguen N, Brisson L, Mahéo K, Dumas JF. Doxorubicin-Induced Autophagolysosome Formation Is Partly Prevented by Mitochondrial ROS Elimination in DOX-Resistant Breast Cancer Cells. *Int J Mol Sci.* 2021 Aug 27;22(17):9283.