LISTE DES PUBLICATIONS 2012-2014

GdR PHYCOTOX

AXE 3

1 = Equipe LEMAR

2 = Equipe EPOC

3 = Equipe PHYC

4 = Equipe RIME

4 = Equipe ETDA

2015 :

- Lassudrie, M., Wikfors, G.H. , Sunila, I., Alix, J.H., Dixon, M.S., Combot, D., Soudant, P., Fabioux, C., Hégaret, H. (2015) Physiological and pathological changes in the eastern oyster *Crassostrea virginica* infested with the trematode *Bucephalus* sp. and exposed to the toxic dinoflagellate *Alexandrium fundyense Journal of Invertebrate Pathology* doi:10.1016/j.jip.2015.01.011 (***Equipe 1***)

- Neves, R.A.F., Valentin, J.L., Figueiredo, G.M., Hégaret, H. (2015) Responses of the common periwinkle *Littorina littorea* to a short term exposure to the toxic dinoflagellate *Alexandrium minutum. Journal of Molluscan Studies doi:10.1093/mollus/eyu092* (***Equipe 1***)

- Neves, R.A.F., Figueiredo, G.M., Valentin, J.L., da Silva, P.M., Hégaret, H. (2015) Immunological and physiological responses of the periwinkle *Littorina littorea* during and after exposure to the toxic dinoflagellate *Alexandrium minutum. Aquatic Toxicology* 160, 96-105. (***Equipe 1***)

- Tran, D., Ciutat, A., Mat, A., Massabuau J.-C., Hégaret, H., Lambert C., Le Goic, N., Soudant, P. (2015) The toxic dinoflagellate *Alexandrium minutum* disrupts daily rhythmic activities at gene transcription, physiological and behavioral levels in the oyster *Crassostrea gigas*. Aquatic Tox. 158: 41-49. doi:10.1016/j.aquatox.2014.10.023. . (***Equipes 1 et 2***)

2014 :

- Haberkorn, H., Lambert, C., Le Goïc, N., Quéré, C., Bruneau, A., Riso, R., Auffret M. & Soudant, P. 2014. Cellular and biochemical responses of the oyster *Crassostrea gigas* to controlled exposures to metals and *Alexandrium minutum*. *Aquatic Toxicology*, *147*, 158-167. (***Equipe 1***)

- Lassudrie, M., Soudant, P., Richard, G., Henry, N., Medhioub, W., da Silva, P.M., Donval, A., Bunel, M., Le Goïc, N., Lambert, C., de Montaudouin, X., Fabioux, C.†, Hégaret, H.†. (2014) Physiological responses of Manila clams *Venerupis* (=*Ruditapes*) *philippinarum* 1 with varying parasite *Perkinsus olseni* burden to toxic algal *Alexandrium ostenfeldii* exposure. *Aquatic toxicology* 154, 27-38 (***Equipe 1***)

- Lassus, P., Bordeau, P., Marcaillou, C., Soudant, P., 2014. Phycotoxins: Seafood Contamination, Detoxification and Processing, in: Rossini, G.P. (Ed.), Toxins and Biologically Active Compounds from Microalgae CRC Press, Boca Raton, Florida, USA, pp. 453-501. **(*Equipes 1 et 3*)**

- Le Goïc N., Hégaret, H., Boulais, M., Béguel, J.P., Lambert, C., Fabioux, C, Soudant, P. 2014. Flow cytometry to assess morphology, viability and production of oxygen reactive species of *Crassostrea gigas* oocytes. Application to toxic dinoflagellate *Alexandrium minutum* exposure. Cytometry Part A85, 1049-1056. (***Equipe 1***)

- Rolland, J.L., Medhioub, W., Vergnes, A., Abi-khalil, C., Savar, V., Abadie, E., Masseret, E., Amzil, Z., Laabir, M (2014). A feedback mechanism to control apoptosis occurs in the digestive gland of the oyster Crassostrea gigas exposed to the paralytic shellfish toxins producer Alexandrium catenella. Marine Drugs doi:10.3390/md12095035. (***Equipes 3, 4 et 5***)

- Rolton, A., Vignier, J., Soudant, P., Shumway, S. E., Bricelj, V. M., & Volety, A. K. 2014. Effects of the red tide dinoflagellate, *Karenia brevis*, on early development of the eastern oyster *Crassostrea virginica* and northern quahog *Mercenaria mercenaria*. *Aquatic Toxicology*, *155*, 199-206. (***Equipe 1***)

- Tillmann, U., Salas, R., Jauffrais, T., Hess, P., Silke, J., 2014. AZA: The producing Organisms - Biology and Trophic Transfer, in: Botana., L.M. (Ed.), Seafood and Freshwater Toxins. CRC Press, Boca Raton, Florida, USA, pp. 773-798. ***(Equipes 1 et 3)***

- Tran, D., Ciutat, A., Mat, A., Massabuau J.-C., Hégaret, H., Lambert C., Le Goic, N., Soudant, P. (2015) The toxic dinoflagellate *Alexandrium minutum* disrupts daily rhythmic activities at gene transcription, physiological and behavioral levels in the oyster *Crassostrea gigas*. Aquatic Tox. 158: 41-49. doi:10.1016/j.aquatox.2014.10.023. . (***Equipes 1 et 2***)

2013

- Farcy, E., Burgeot, T., Haberkorn, H., Auffret, M., Lagadic, L., Allenou, J.-P., Budzinski, H., Mazzella, N., Pete, R., Heydorff, M., Menard, D., Mondeguer, F., Caquet, T., 2013. An integrated environmental approach to investigate biomarker fluctuations in the blue mussel *Mytilus edulis* L. in the Vilaine estuary, France. Environmental Science And Pollution Research 20, 630-650. ***(Equipe 3)***

- Le Goïc N., Hégaret, H., Fabioux, C, Miner, P., Suquet, M., Lambert, C., Soudant, P. (2013) Cellular changes of spermatozoa stripped from oyster *C. gigas* broodstock exposed to the toxic dinoflagellate *Alexandrium catenella. Aquatic Living Resources* 26, 221-228. (***Equipe 1***)

- Mat, A.M., Haberkorn, H., Bourdineaud, JP, Massabuau, J.C., Tran, D. (2013) Genetic and genotoxic impacts in the oyster *Crassostrea gigas* exposed to the harmful alga *Alexandrium minutum*. Aquatic Tox. 140-141, 458-462. . (***Equipe 2***)

- Mello, D. F.; da Silva, P.M. Barracco, M.A.; Soudant, P. & Hégaret, H. (2013) Immunomodulation and gene expression of *Crassostrea gigas* hemocytes in response to saxitoxin and it producer, the toxic dinoflagellate, *Alexandrium minutum. Harmful Algae* 26, 45-5. (***Equipe 1***)

- Núñez-Acuña, G., Aballay, A.E., Hégaret, H., Astuya, A.P., Gallardo-Escárate, C. (2013) Transcriptional responses of *Mytilus galloprovincialis* exposed *in vivo* to Saxitoxin (STX). *International Journal of Molecular Sciences.* 79:323-331. (***Equipe 1***)

- Medhioub, W., Ramondenc, S., Vanhove, A., Vergnes, A., Masseret, E., Savar, V., Amzil, Z., Laabir, M., Rolland, J.L (2013). Exposure to the Neurotoxic Dinoflagellate *Alexandrium catenella* induces apoptosis of the oyster *Crassostrea gigas* hemocytes. Marine Drugs 11: 4799-4814. (***Equipes 3, 4 et 5***)

2012:

- Jauffrais, T., Contreras, A., Herrenknecht, C., Truquet, P., Sechet, V., Tillmann, U., Hess, P., 2012. Effect of *Azadinium spinosum* on the feeding behaviour and azaspiracid accumulation of Mytilus edulis. Aquat. Toxicol. 124, 179-187. ***(Equipe 3)***

- Jauffrais, T., Kilcoyne, J., Herrenknecht, C., Truquet, P., Sechet, V., Miles, C.O., Hess, P., 2013. Dissolved azaspiracids are absorbed and metabolized by blue mussels (*Mytilus edulis*). Toxicon 65, 81-89. ***(Equipe 3)***

- Jauffrais, T., Marcaillou, C., Herrenknecht, C., Truquet, P., Séchet, V., Nicolau, E., Tillmann, U., Hess, P., 2012. Azaspiracid accumulation, detoxification and biotransformation in blue mussels (*Mytilus edulis*) experimentally fed *Azadinium spinosum*. Toxicon 60, 582-595. ***(Equipe 3)***

- Guéguen M., Baron R., Bardouil M., Haberkorn H., Soudant P., Truquet P., Lassus P. 2012. Influence of *Crassostrea gigas* (Thunberg) sexual maturation stage and ploidy on uptake of paralytic phycotoxins. *Toxicon*, 60(1), 40–43 (***Equipes 1 et 3)***

- Hégaret, H., Brokordt, K.B., Gaymer, C.F., Lorhmann, K.L., García, C., Varela, D. (2012) Effects of the toxic dinoflagellate *Alexandrium catenella* on histopathogical and escape responses of the Northern scallop *Argopecten purpuratus. Harmful Algae* 18:74-83. ***(Equipe 1***)

- Kilcoyne, J., Jauffrais, T., Twiner, M.J., Doucette, G.J., Aasen Bunaes, J.A., Sosa, S., Krock, B., Sechet, V., Nulty, C., Salas, R., Clarke, D., Geraghty, J., Duffy, C., Foley, B., John, U., Quiliam, M.A., McCarron, P., Miles, C.O., Silke, J., Cembella, A., Tilmann, U., Hess, P., 2014. AZASPIRACIDS – Toxicological Evaluation, Test Methods and Identifcation of the Source Organisms (ASTOX II). ***(Equipe 3)***

- Medhioub W., Lassus P., Truquet P., Bardouil M., Amzil Z., Sechet V., Sibat M., & Soudant P. 2012. Spirolide uptake and detoxification by *Crassostrea gigas* exposed to the toxic dinoflagellate *Alexandrium ostenfeldii. Aquaculture,* 358-359, 108-115*.* (***Equipes 1 et 3)***

- Rolland, J.L., Pelletier, K., Masseret, E., Rieuvilleneuve, F., Savar, V., Santini, A., Amzil, Z., Laabir, M (2012). Paralytic Toxins Accumulation and Tissue Expression of α-amylase and Lipase Genes in the Pacific Oyster *Crassostrea gigas* Fed with the Neurotoxic Dinoflagellate *Alexandrium catenella.* Marine Drugs 10 (11), 2519-2534. (***Equipes 3, 4 et 5***)