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PEER-REVIEWED PUBLICATIONS

- Emerson, C.E., **Reinardy, H.C.**, Bates, N., and Bodnar, A.G., (*in prep.*). *Effects of elevated pCO₂ on tissue regeneration and biomineralization in the variegated sea urchin, Lytechinus variegatus.*
- Aguirre-Martinez, G.V., **Reinardy, H.C.**, Martin-Diaz, M.L., and Henry, T.B. (*in review*, Ecotoxicology and Environmental Safety). *Target gene expression in zebrafish exposed to pharmaceutical mixtures is not consistent with responses to individual substances.*
- **Reinardy, H.C.**, Chapman, J., and Bodnar, A.G. (2016). *Induction of innate immune gene expression following methyl methanesulfonate-induced DNA damage in sea urchins.* Biology Letters 12(2):20151057
- **Reinardy, H.C.**, Emerson, C.E., Manley, J.M., and Bodnar, A.G. (2015). *Tissue regeneration and biomineralization in sea urchins: role of Notch signaling and presence of stem cell markers.* PLoS ONE 10(8) e0133860.
- **Reinardy, H.C.** and Bodnar, A.G. (2015). *Profiling DNA damage and repair capacity in sea urchin coelomocytes and larvae exposed to genotoxicants.* Mutagenesis, 30(6): 829-839. DOI:10.1093/mutage/gev052.
- El-Bibany, A.H., Bodnar, A.G., and **Reinardy, H.C.** (2014). *Comparative DNA damage and repair in echinoderms exposed to genotoxicants.* PLoS ONE 9(9) e107815.
- Scarlett, A., **Reinardy, H.C.**, West, C., Henry, T.B., and Rowland, S. (2013). *Acute toxicity of aromatic and non-aromatic fractions of naphthenic acids extracted from oil sands process-affected water to larval zebrafish.* Chemosphere. 93(2):415-420.
- **Reinardy, H.C.**, Scarlett, A., West, C., Rowland, S., and Henry, T.B. (2013). *Aromatic naphthenic acids in oil sands process-affected water, resolved by GCxGC-MS, only weakly induce the gene for vitellogenin production in zebrafish (Danio rerio) larvae.* Environmental Science and Technology. 47(12):6614-6620.
- **Reinardy, H.C.**, Dharamshi, J., Jha, A.N., Henry, T.B. (2013). *Changes in expression profile of genes associated with DNA repair following induction of DNA damage in larval zebrafish Danio rerio.* Mutagenesis. 28(5)601-608.
- **Reinardy, H.C.**, Skippins, E., Henry, T.B., Jha, A.N. (2013). *Assessment of DNA damage in sperm after repeated non-invasive sampling in zebrafish Danio rerio.* Journal of Fish Biology. 82: 1074-1081
- **Reinardy, H.C.**, Syrett, J., Jeffree, R., Jha, A., Henry, T. (2013). *Cobalt-induced genotoxicity in male zebrafish (Danio rerio), with implications for reproduction and expression of DNA repair genes.* Aquatic Toxicology. 126: 224-230.
- **Reinardy, H.C.**, Teyssie, J-L., Jeffree, R.A., Copplestone, D., Henry, T.B., Jha, A.N. (2011). *Uptake, depuration, and radiation dose estimation in zebrafish exposed to radionuclides via aqueous or dietary routes.* Science of the Total Environment. 409: 3771-3779.
- Fraser, T.W.K., **Reinardy, H. C.**, Shaw, B.J., Henry, T.B., Handy, R. (2011). *Dietary toxicity of single-walled carbon nanotubes and fullerenes (C₆₀) in rainbow trout (Oncorhynchus mykiss).* Nanotoxicology. 5(1): 98-108.
- Wells, A., Grierson, C.E., Marshall, L., MacKenzie, M., Russon, I.J., **Reinardy, H.**, Sivertsgard, R., Bjorn, P.A., Finstad, B., Bonga, S.E.W., Todd, C.D. and Hazon, N. (2007). *Physiological consequences of "premature freshwater return" for wild sea-run brown trout (Salmo trutta) postsmolts infested with sea lice (Lepeophtheirus salmonis).* Canadian Journal of Fisheries and Aquatic Sciences. 64(10): 1360-1369.
- Wells, A., Grierson, C.E., MacKenzie, M., Russon, I.J., **Reinardy, H.**, Middlemiss, C., Bjorn, P.A., Finstad, B., Bonga, S.E.W., Todd, C.D. and Hazon, N. (2006). *Physiological effects of simultaneous, abrupt seawater entry and sea lice (Lepeophtheirus salmonis) infestation of wild, sea-run brown trout (Salmo trutta) smolts.* Canadian Journal of Fisheries and Aquatic Sciences. 63(12): 2809-2821.

- Todd, C.T., Stevenson, R.J., **Reinardy, H.** & Ritchie, M.G. (2005). *Polyandry in the ectoparasitic copepod Lepeophtheirus salmonis despite complex precopulatory and postcopulatory mate-guarding*. Marine Ecology Progress Series. 303: 225 – 234.

CONFERENCES/PRESENTATIONS (presenter)

- **Reinardy, H.C.** and Bodnar, A.G. *Genotoxicity, DNA repair, and innate immune responses in sea urchins*. 39th Annual Meeting, UKEMS, King's College London.
- **Emerson, C.E., Reinardy, H.C.,** Manley, J.M., and Bodnar, A.G. (2016). Sea urchins as a model for tissue regeneration: role of Notch signaling and presence of stem cell markers. Short talk and Poster. Molecular and Cellular Basis of Growth and Regeneration, Keystone Symposia, Breckenridge, Colorado, USA.
- **Reinardy, H.C.,** Emerson, C.E., Manley, J.M., and Bodnar, A.G. (2015). Tissue regeneration and biomineralization in sea urchins: role of Notch signalling and presence of stem cell markers. Talk. Comparative Biology of Tissue Repair, Regeneration, and Aging Symposium, Mount Desert Island Biological Laboratory, Maine, USA.
- El-Bibany, A.H., Bodnar, A.G., and **Reinardy, H.C.** (2014). Comparative DNA damage and repair in Echinoderm coelomocytes. Presentation and Poster, Joint Annual Meeting, UK and European Environmental Mutagen Society, Lancaster, UK. **Bursary Award**. Abstract: Mutagenesis 29(6):497-559.
- **Reinardy, H.C.** and Bodnar, A.G. (2013). DNA repair in sea urchins: role in genotoxicity resistance and carcinogenesis. Presentation, IAEMS 11th International Conference on Environmental Mutagens, Brazil. Received **Young Scientist Award** and **Travel Award**.
- **Reinardy, H.C.,** Chang, M., and Bodnar, A.G. (2013). DNA repair in sea urchins: role in genotoxicity and resistance to carcinogenesis. Poster, IAEMS 11th International Conference on Environmental Mutagens, Brazil.
- **Aguirre-Martinez, G.V., Reinardy, H.C.,** Martin-Diaz, M.L., and Henry, T.B. (2013). Assessment of synergism on expression of biomarker genes in zebrafish (*Danio rerio*) exposed to mixtures of pharmaceuticals. Presentation, SETAC-AU, Melbourne.
- **Aguirre-Martinez, G.V., Reinardy, H.C.,** Martin-Diaz, M.L., and Henry, T.B. (2013). Assessment of concentration addition on expression of biomarker genes in zebrafish exposed to mixtures of pharmaceuticals. Poster, SETAC-AU Melbourne.
- **Aguirre-Martinez, G.V.,** Owour, M.A., Anton-Martin, R., Okello, K., Buratti, S., **Reinardy, H.C.,** Baena-Nogueras, R.M., Andre, C., Jimenez-Tenorio, N., Ramos-Gomez, J., Carballeira, C., Almagro-Pastor, V., Morales-Caselles, C., Saez-Ribas, J., Garrido, M.C., Fabbri, E., Salamanca, M.J., Lara-Martin, P., Henry, T.B., Gagne, F., and Martin-Diaz, M.L. (2013). Design of an integrated tool to assess and manage the environmental quality of aquatic systems affected by pharmaceutical products discharges. Poster, SETAC-AU Melbourne.
- **Reinardy, H.C.** (2013). Ecotoxicology: The Science of Stressful Environment. Lecture, Washington College visiting group, BIOS.
- **Reinardy, H.C.** (2012). *Relating genotoxicity to DNA repair and reproductive success in zebrafish (Danio rerio): a case study with cobalt*. Bermuda Institute for Ocean Sciences, Bermuda.
- **Reinardy, H.C.** (2012). *Relating genotoxicity to DNA repair and reproductive success in zebrafish (Danio rerio) exposed to aqueous cobalt*. Ecotoxicology Research and Innovation Centre Annual Meeting: Building International Collaborations in Environmental Toxicology and Chemistry. Plymouth University.
- **Reinardy, H.C.** (2011). *Stressed fish: from populations to genes*. Akvaplan-Niva, Tromsø, Norway.
- **Reinardy, H.C.,** Syrett, J., Jeffree, R.A., Henry, T.B., and Jha, A. (2011). *Linking DNA damage in sperm with reproductive success in adult zebrafish Danio rerio exposed to cobalt (Co²⁺)*. Poster, 21st SETAC Europe Annual Meeting. Milan, Italy. **Awarded student travel grant** (UK-SETAC).

- **Reinardy, H.C.**, Henry, T.B., and Jha, A. (2010). *DNA Damage and Repair in Zebrafish Sperm: In vitro and In vivo Validation of the Comet Assay*. Poster, Annual European Environmental Mutagen Society meeting, Oslo. **Awarded travel bursary** (UK Environmental Mutagen Society).
- **Reinardy, H.C.**, Teyssie, J.-L., Jeffree, R.A., Henry, T.B., and Jha, A.N. (2010). *Effects of Radionuclides in zebrafish*. Platform presentation, Annual Co-ordinating Group for Environmental Radioactivity meeting, Lancaster University, March 2010. **Awarded travel bursary** (PMSP Education Fund). **Won presentation prize**.
- **Reinardy, H.C.** (2009). *Effects of Ionizing Radiation on Zebrafish*. Internal Seminar, Plymouth University.
- **Reinardy, H.C.** (2009). *Effects of Radionuclides on Zebrafish*. Marine Biology and Ecology Research Group seminar, Plymouth University.
- **Reinardy, H.C.**, Fraser, T., Shaw, B., Henry, T.B., and **Handy, R.** (2009). *Dietary Toxicity of Single-Walled Carbon Nanotubes and Fullerenes (C₆₀) in Rainbow Trout (Oncorhynchus mykiss W.): Effects on Osmoregulation*. The European Network on the Health and Environmental Impact of Nanomaterials, Switzerland.
- Fraser, T.W.K., **Reinardy, H.C.**, Shaw, B.J., Henry, T.B., and **Handy, R.D.** (2009). *Dietary Toxicity of Single-Walled Carbon Nanotubes and Fullerenes (C₆₀) in Rainbow Trout (Oncorhynchus mykiss): Histopathology and Oxidative Stress*. The European Network on the Health and Environmental Impact of Nanomaterials, Switzerland.
- **Reinardy, H.C.**, Fraser, T., Shaw, B., Henry, T.B., and Handy, R. (2008). *Dietary Toxicity of Single-Walled Carbon Nanotubes and Fullerenes (C₆₀) in Rainbow Trout (Oncorhynchus mykiss W.): Effects on Osmoregulation*. 3rd International Conference on Environmental Effects of Nanoparticles and Nanomaterials, University of Birmingham, UK, **Awarded UK-SETAC student travel award**.
- Fraser, T.W.K., **Reinardy, H.C.**, Shaw, B.J., Henry, T.B., and Handy, R.D. (2008). *Dietary Toxicity of Single-Walled Carbon Nanotubes and Fullerenes (C₆₀) in Rainbow Trout (Oncorhynchus mykiss): Histopathology and Oxidative Stress*. 3rd International Conference on Environmental Effects of Nanoparticles and Nanomaterials, University of Birmingham, UK.
- **Reinardy, H.C.**, Feist, S., and Tinsley, R. (2007). *Gill pathology of Rainbow Trout (Oncorhynchus mykiss) infected with Discocotyle sagittata*. Poster, British Society for Parasitology Spring Meeting. **Awarded student travel grant**.

PRESS

Bermuda Institute of Ocean Sciences (2016) A BIOS REU, Times Two. Currents.

<http://www.bios.edu/currents/a-bios-reu-times-two/>

Bermuda Institute of Ocean Sciences (2015) To Live Long and Prosper, Take Care of Your Genome. Currents.

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