

## Ann C. Andersen - Articles publiés

- Piquet B, Shillito B, Lallier FL, Duperron S & Andersen AC. (2019). High rates of apoptosis visualized in the symbiont-bearing gills of deep-sea *Bathymodiolus* mussels. *PLoS ONE*, **14** (2): e0211499. doi: <https://doi.org/10.1371/journal.pone.0211499>
- Sen A, Duperron S, Hourdez S, Piquet B, Léger N, Gebruk A, Le Port A-S, Svenning MM & Andersen AC. (2018). Cryptic frenulates are the dominant chemosymbiotic fauna at Arctic and high latitude Atlantic cold seeps. *PLoS ONE*, **13** (12): e0209273. doi:<https://doi.org/10.1371/journal.pone.0209273>
- Decker C, Zorn N, Le Bruchec JC, Caprais J-C, Potier N, Leize-Wagner E, Lallier FH, Olu K & Andersen AC. (2016). Can the hemoglobin characteristics of vesicomyid clam species influence their distribution in deep-sea sulfide-rich sediments? A case study in the Angola Basin. *Deep Sea Research II*, **142** (Printed August 2017): 219-232. doi:<http://dx.doi.org/10.1016/j.dsri.2016.11.009>
- Decker C, Zorn N, Potier N, Leize-Wagner E, Lallier FH, Olu K & Andersen AC. (2014). Globin's structure and function in Vesicomyid Bivalves from the Gulf of Guinea cold seeps as an adaptation to life in reduced sediments. *Physiological and Biochemical Zoology*, **87** (6): 855-869. doi:<https://doi.org/10.1086/678131>
- Guezi H, Boutet I, Andersen AC, Lallier FH & Tanguy A. (2014). Comparative analysis of symbiont ratios and gene expression in natural populations of two *Bathymodiolus* mussel species. *Symbiosis*, **62** (3): 19-29. doi:<https://doi.org/10.1007/s13199-014-0284-0>
- Leclerc J-C, Riera P, Noël LM-LJ, Leroux C & Andersen AC. (2014). Trophic ecology of *Pomatoschistus microps* within an intertidal bay (Roscoff, France), investigated through gut content and stable isotope analyses. *Mar Ecol*, **35**: 261-270. doi:<https://doi.org/10.1111/maec.12071>
- Decker C, Morineaux M, Van Gaever S, Caprais J-C, Lichtschlag A, Gauthier O, Andersen AC & Olu K. (2012). Habitat heterogeneity influences cold-seep macrofaunal communities within and among seeps along the Norwegian margin. Part 1: macrofaunal community structure. *Marine Ecology, ISSN 0173-9565*: 1-26. doi:<http://10.1111/j.1439-0485.2011.00503.x>
- Southward EC, Andersen AC & Hourdez S. (2011). *Lamellibrachia anaximandri* n.sp., a new vestimentiferan tubeworm from the Mediterranean (Annelida) with notes on frenulates in the same habitats. *Zoosystema*, **33** (3): 245-279. doi:<https://doi.org/10.5252/z2011n3a1>
- Decelle J, Andersen AC & Hourdez S. (2010). Morphological adaptations to chronic hypoxia in deep-sea decapod crustaceans from hydrothermal vents and cold seeps. *Marine Biology*, **157** (6): 1259-1269. doi:<http://10.1007/s00227-010-1406-8>
- Meunier C, Andersen AC, Bruneaux M, Le Guen D, Terrier P, Leize-Wagner E & Zal F. (2010). Structural characterization of Hemoglobins from Monilifera and Frenulata tubeworms (Siboglinids): first discovery of giant Hexagonal-bilayer hemoglobin in the former "pogonophora" group. *Comp Bioch Physiol Part A*, **155** 41–48. doi:<http://10.1016/j.cbpa.2009.09.010>
- Vanreusel A, Andersen AC, Boetius A, Connely D, Cunha MR, Decker C, Heeschen K, Hilario A, Kormas KA, Maignien L, Olu-Leroy K, Pachiadaki M, Ritt B, Rodrigues C, Sarrazin J, Tyler PA, Van Gaever S & Vanneste H. (2009). Biodiversity of Cold Seep Ecosystems along the European Margins *Oceanography*, **22** (1): 119-135. doi:<https://www.jstor.org/stable/24860929>
- Loumaye E, Andersen AC, Clippe A, Degand H, Dubuisson M, Zal F, Morsomme P, Rees JF & Knoops B. (2008). Cloning and characterization of *Arenicola marina* peroxiredoxin 6, an annelid two-cysteine peroxiredoxin highly homologous to mammalian one-cysteine peroxiredoxins. *Free Radical Biology & Medicine.*, **45**: 482-493. doi:<http://10.1016/j.freeradbiomed.2008.04.033>
- Sanchez S, Andersen AC, Hourdez S & Lallier FH. (2007). Identification, sequencing, and localization of new Carbonic-anhydrase transcripts from the hydrothermal vent tubeworm *Riftia pachyptila*. *FEBS J.*, **274** (20): 5311-5324. doi:<https://febs.onlinelibrary.wiley.com/doi/pdf/10.1111/j.1742-4658.2007.06050.x>

- Andersen AC**, Flores JF & Hourdez S. (2006). Comparative branchial plume biometry between two extreme ecotypes of the hydrothermal vent tubeworm *Ridgidea piscesae*. *Can J Zool*, **84**: 1810-1822. doi:<https://doi.org/10.1139/z06-168>
- Andersen AC**, Hourdez S, Marie B, Jollivet D, Lallier FH & Sibuet M. (2004). *Escarpia southwardae* sp nov., a new species of vestimentiferan tubeworm (Annelida, Siboglinidae) from West African cold seeps. *Canadian Journal of Zoology*, **82** (6): 980-999. doi:<https://doi.org/10.1139/z04-049>
- Decian MC, **Andersen AC**, Toullec J-Y, Biegala I, Caprais JC, Shillito B & Lallier FH. (2003). Isolated bacteriocyte cell suspensions from the hydrothermal-vent tubeworm *Riftia pachyptila*, a potent tool for cellular physiology in a chemoautotrophic symbiosis. *Mar Biol*, **142**: 141–151. doi:<http://10.1007/s00227-002-0931-5>
- Decian MC, **Andersen AC**, Bailly X & Lallier FH. (2003). Expression and localization of carbonic anhydrase and ATPases in the symbiotic tubeworm *Riftia pachyptila*. *J Exp Biol*, **206**: 399-409. doi:<http://10.1242/jeb.00074>
- Andersen AC**, Jolivet S, Claudinot S & Lallier FH. (2002). Biometry of the branchial plume in *Riftia pachyptila*, the hydrothermal vent tubeworm (Vestimentifera; Annelida). *Can. J. Zool.*, **80** (2): 320-332. doi:<https://doi.org/10.1139/z02-005>
- Andersen AC**, Hamraoui L & Zaoui D. (2001). The obturaculum of *Riftia pachyptila* (Annelida, Vestimentifera): ultrastructure and function of the obturacular muscles and extracellular matrix. *Cahiers de Biologie Marine*, **42** (3): 219-237. doi:<http://www.vliz.be/en/imis?refid=67415>
- Abraham RT, Acquarone M, **Andersen AC**, Asensi A, Bellé R, Berger F, Bergounioux C, Brunn G, Buquet-Fagot C, Glab N, Goudeau H, Goudeau M, Guerrier P, Houghton PJ, Hendricks H, Kloareg B, Lippai M, Marie D, Maro B, Meijer L, Mester J, Mulner-Lorillon O, Poulet S, Schierenberg E, Schutte B, Vaulot D & Verlhac MH. (1995). Cellular effects of Olomoucine, an inhibitor of cyclin-dependent Protein kinases. *Biol Cell*, **83**: 105-120. doi: [https://doi.org/10.1016/0248-4900\(96\)81298-6](https://doi.org/10.1016/0248-4900(96)81298-6)
- Andersen AC**, Tonon MC, Pelletier G, Conlon MJ, Fasolo A & Vaudry H. (1992b). Addendum to Neuropeptides in the Amphibian brain. *International Review of Cytology*, **138** (Addendum).
- Andersen AC**, Tonon MC, Pelletier G, Conlon MJ, Fasolo A & Vaudry H. (1992a). Neuropeptides in the Amphibian brain. *International Review of Cytology*, **138**: 89-210. doi:[https://doi.org/10.1016/S0074-7696\(08\)61588-0](https://doi.org/10.1016/S0074-7696(08)61588-0)
- Peaucellier G, **Andersen AC** & Kinsey WH. (1990a). Protein tyrosine phosphorylation during meiotic divisions of starfish oocytes. *Developmental Biology*, **138**: 391-399. doi:[https://doi.org/10.1016/0012-1606\(90\)90205-W](https://doi.org/10.1016/0012-1606(90)90205-W)
- Andersen AC**, Pelletier G, Kikuyama S, Leroux P & Vaudry H. (1989). Localization and characterization of prolactin-like immuno-reactivity in the pituitary of the frog *Rana ridibunda*, Pallas. *Gen. Comp. Endocrinol.*, **73**: 299-307. doi:[https://doi.org/10.1016/0016-6480\(89\)90103-2](https://doi.org/10.1016/0016-6480(89)90103-2)
- Vallarino M, **Andersen AC**, Delbende C, Ottonello I, Eberle AN & Vaudry H. (1989). Melanin concentrating hormone immunoreactivity in the brain and pituitary of the dogfish. *Scyliorhinus canicula*. Colocalization with a-MSH in the hypothalamic neurones. *Peptides*, **10**: 375-382. doi:[https://doi.org/10.1016/0196-9781\(89\)90046-6](https://doi.org/10.1016/0196-9781(89)90046-6)
- Andersen AC**, Pelletier G & Vaudry H. (1988). Immunohistochemical localization of gonadotropin-releasing hormone (GnRH-AP) in the brain of the frog. *J. Comp. Neurol.*, **273**: 241-251. doi: <https://doi.org/10.1002/cne.902730208>
- Schoofs L, Jégou S, **Andersen AC**, Tonon MC, Eberlé AN, Huybrechts R, De Loof A & Vaudry H. (1988). Co-existence of melanin-concentrating hormone and a-melanocyte stimulating hormone immunoreactivities in the locust *Locusta migratoria*. *Brain Res.*, **450**: 202-208. doi:[https://doi.org/10.1016/0006-8993\(88\)91559-4](https://doi.org/10.1016/0006-8993(88)91559-4)
- Amiard-Triquet C, Amiard JC, **Andersen AC**, Elie P & Metayer C. (1987). The eel *Anguilla anguilla* L. as a bioindicator of metal pollution: factors limiting its use. *Water Sciences and Technology*, **19**: 1229-1232. doi:[https://www.researchgate.net/profile/Pierre\\_Elie/publication/297320938](https://www.researchgate.net/profile/Pierre_Elie/publication/297320938)

- Andersen AC**, Jegou S, Eberle AN, Tonon MC, Pelletier G & Vaudry H. (1987). Coexistence of melanin-concentrating hormone (MCH) and Alpha-Melanin Stimulating Hormone (a-MSH) in the preoptic nucleus of the frog brain *Brain Res. Bull.*, **18**: 257-260.  
doi:[https://www.researchgate.net/profile/Ann\\_Andersen/publication/20315249](https://www.researchgate.net/profile/Ann_Andersen/publication/20315249)
- Andersen AC**, Danger JM, Netchitailo P, Pelletier G, Cantin M, Eberlé AN & Vaudry H. (1987). Localisation immunohisto-chimique de 3 neuropeptides (NPY, ANF, MCH) dans le complexe neurointermédiaire de l'hypophyse de la grenouille Rana ridibunda. . *Medecine Sciences*, **3**: 293-295  
doi:[http://www.ipubli.inserm.fr/bitstream/handle/10608/3681/MS\\_1987\\_5\\_293.pdf](http://www.ipubli.inserm.fr/bitstream/handle/10608/3681/MS_1987_5_293.pdf)
- Cailliez D, Danger JM, Polak JM, Pelletier G, **Andersen AC** & Leboulenger F. (1987). Co-distribution of neuro-peptide Y and its C-terminal flanking peptide in the brain and pituitary of the frog Rana Ridibunda. *Neurosci Lett*, **74**: 163-168. doi:[https://doi.org/10.1016/0304-3940\(87\)90143-1](https://doi.org/10.1016/0304-3940(87)90143-1)
- Cailliez D, Danger JM, **Andersen AC**, Polak JM, Pelletier G, Kawamura K, Kikuyama S & Vaudry H. (1987). Neuropeptide Y (NPY)-like immunoreactive neurons in the brain and pituitary of the amphibian Rana Catesbeiana. *Zool. Sci.*, **4**: 123-134.
- Amiard-Triquet C, Amiard J-C, Ferrand R, **Andersen AC** & Dubois MP. (1986). Disturbance of a met-enkephalin-like hormone in the hepatopancreas of crabs contaminated by metals. *Ecotoxicology and Environmental Safety*, **11** (2): 198-209. doi:[https://doi.org/10.1016/0147-6513\(86\)90064-3](https://doi.org/10.1016/0147-6513(86)90064-3)
- Andersen AC**, Thibaud Y & Alzieu C. (1986). Influence of the inter-molting cycle on the metal bioaccumulation of the shrimp Crangon crangon L. *Rev. Trav. Inst. Pêches Marit* **48**: 155-160. doi:<https://archimer.ifremer.fr/doc/00000/1799/>
- Andersen AC**, L'hermite A, Ferrand R & Dubois MP. (1986). Immunohistological detection of methionine-enkephalin-like material in the digestive tract and in the nervous system of the mussel : Mytilus edulis L *Gen. Comp. Endocrinol.*, **62**: 111-119  
doi:[https://doi.org/10.1016/0016-6480\(86\)90099-7](https://doi.org/10.1016/0016-6480(86)90099-7)
- Andersen AC**, Pelletier G, Eberle AN, Leroux P, Jegou S & Vaudry H. (1986). Localization of melanin-concentrating hormone-like immuno-reactivity in the brain and pituitary of the frog Rana ridibunda. *Peptides*, **7**: 941-951. doi:[https://doi.org/10.1016/0196-9781\(86\)90119-1](https://doi.org/10.1016/0196-9781(86)90119-1)
- Netchitailo P, Feuilloley M, Pelletier G, Cantin M, Leboulenger F, **Andersen AC** & Vaudry H. (1986). Localization of atrial natriuretic factor (ANF)-immunoreactive material in the hypothalamo-pituitary complex of the frog. *Neurosci. Lett.*, **7**: 141-146.  
doi:<https://www.sciencedirect.com/science/article/pii/0304394086900698>
- L'hermite A, Ferrand R, Dubois M & **Andersen AC**. (1985). Detection of endocrine cells by immunofluorescence method in the gastroenteropancreatic system of the adult eel, glass-eel and leptocephalic larva (*Anguilla anguilla* L.). *Gen. Comp. Endocrinol.*, **58**: 347-359.

## Rapports publics

- Michez N, Bajjouk T, Aish A, **Andersen AC**, Ar Gall E, Baffreau A, Blanchet H, Chauvet P, Dauvin JC, De Casamajor M-N, Derrien-Courtel S, Dubois S, Fabri M-C, Houbin C, Legall L, Menot L, Rolet C, Sauriau P-G, Thiebaut E, Tourolle J & Van Den Beld I. (2015). *Typologie des habitats marins benthiques de la Manche, de la Mer du Nord et de l'Atlantique - Version 2*. Rapport du Service du Patrimoine Naturel.SPN-2015.  
**45:61pp.**[https://www.researchgate.net/publication/281839529\\_Typologie\\_des\\_habitats\\_marins\\_benthiques\\_de\\_la\\_Manche\\_de\\_la\\_Mer\\_du\\_Nord\\_et\\_de\\_l%27Atlantique\\_Version\\_2](https://www.researchgate.net/publication/281839529_Typologie_des_habitats_marins_benthiques_de_la_Manche_de_la_Mer_du_Nord_et_de_l%27Atlantique_Version_2)
- Andersen AC**, Meunier C, Bruneaux M, Terrier P, Le Guen D, Leize-Wagner E & Zal F. (2008). *Characterization of Pogonophoran haemoglobins as an insight into molecular adaptation and ecophysiology in the Nordic margin seep communities*. HERMES- European program on Hotspot Ecosystem Research on the Margins of European Seas, Contract No: EC contract no

GOCE-CT-2005-511234 in FP6 Integrated Project on Sustainable development, global change and ecosystems. Report: 18pp

### **Revue grand public:**

**Andersen AC & Lallier Fh.** (1999, May 1999). En plongée sur les sources hydrothermales. *Revue du Palais de la Découverte*, **27, n° 268**: 17-26.

### **Contribution à des livres:**

Peaucellier G, **Andersen AC**, Kinsey WH & Doree M. (1990b). Tyrosine phosphorylation of MPF and membrane proteins during maturation of starfish oocytes. In B. Dale ed. NATO ASI series (Ed.), "Mechanisms of fertilization: plants to human" (Vol. H.45). Berlin Heidelberg: Springer Verlag.

Tonon MC, Danger JM, Lamacz M, Leroux P, Adjeroud S, **Andersen AC**, Verburg-Van Kemenade BML, Jenks BG, Pelletier G, Stoeckel ME, Burlet A, Kupryszewski GA & Vaudry H. (1988). Multihormonal control of melanotropins secretion in cold blooded vertebrates. In Ed MEH (Ed.), *The Melanotropic Peptides* (Vol. 1, pp. 127-171): CRC Press.

### **Conferences**

Piquet B, Shillito B, Duperron S & Andersen AC. (2018). *Does apoptosis and cell growth play a role in the host symbionts regulation in the mussel Bathymodiolus?* International Symbiosis Society Congress, Oregon State University, (USA), 15-20th July 2018 (Oral by BP).

Piquet B, Shillito B, Szafranski KM, Lallier FH, Duperron S & Andersen AC. (2018). *Bacteriocytes dynamics : which mechanisms to regulate the microbiota of Bathymodiolus mussels from the Mid-Atlantic-Ridge ?* CONNECT 3 national congress: Colloque NatioNal sur la biologie et l'écologie des Ecosystèmes à base de ChimiosynThèse, Station Biologique, Roscoff (France), 13-16th November 2018 (Oral by BP).

Piquet B, Shillito B, Zbinden M, Tanguy A, Lallier F, Andersen Ac & S D. (2017b). *Apoptosis in the tissues of Bathymodiolus mussels under bathymetric pressurized/versus unpressurized conditions: the possible role of apoptosis in regulating the branchial microbiota.* International Symposium on Chemosynthesis-Based Ecosystems, Woods Hole Mass (USA ), August 27-September 1st, 2017 (Oral « Flash talk» by BP).

Piquet B, Shillito B, Zbinden M, Tanguy A, Lallier F, Andersen Ac & Duperron S. (2017a). *Apoptosis in the tissues of Bathymodiolus mussels under bathymetric pressurized/versus unpressurized conditions: the possible role of apoptosis in regulating the branchial microbiota.* International Symposium on Chemosynthesis-Based Ecosystems, Woods Hole Massassuchets (USA) August 27 to September 1st, 2017 (Poster).

Piquet B, Shillito B, Duperron S & Andersen AC. (2017). *Does apoptosis play a role in the host-symbionts regulation in the mussel Bathymodiolus?* Réseau Ecologique des Interactions Durables, REID 2017 National Congress, Toulouse (France), 22-24th March 2017 (Oral by BP).

Andersen AC. (2017). *Siboglinid tubeworms and their Hemoglobins, as an adaptation to life in Norwegian cold-seeps.* Invited conference by Jürgen Mienert, Director of the Centre of Arctic Gas Hydrate Environment and Climate (CAGE), in the frame of the AURORA program between Norway and France about the SIBO project. , Tromsö (Norway), 13-21st December 2017 (Invited Oral AA).

Piquet B, Quiles A, Shillito B, Tanguy A, Andersen AC & Duperron S. (2016b). *Flexibility of the symbiosis between Bathymodiolus (Bivalvia : Mytilidae) and chemosynthetic bacteria* CONNECT:

- COLloque National sur la biologiE et l'écologie des éCosystèmes à base de ChimiosynThèse, , Université du Maine, Le Mans, (France), 11-13rd May 2015 (Poster).
- Piquet B, Quiles A, Shillito B, Tanguy A, Andersen AC & Duperron S. (2016a). *Flexibility of the symbiosis between Bathymodiolus (Bivalvia : Mytilidae) and chemosynthetic bacteria* Réunion Annuelle du Réseau Ecologie des Interactions Durables, REID, Poitiers (France), 29-31st March 2016 (Poster).
- Piquet B, Szafranski K, Quiles A, Shillito B, Andersen AC & Duperron S. (2016). *Relative abundances of methane -and sulfur -oxidizing in gills of two mussels from deep -sea hydrothermal vents maintained under pressure* Managing Impacts of Deep sea reSource Exploitation, MIDAS Final Meeting, Ghent (Belgium), 3-7 th October 2016 (Oral by BP).
- Decker C, Potier N, Zorn N, Caprais J-C, Leize-Wagner E, Lallier FH, Olu K & Andersen AC. (2015b). *Globins and their characteristics in two vesicomyid bivalve species enabling their life in the reduced environments of the Congo deep-sea fan.* ASLO Association for the Sciences of Limnology and Oceanography: Aquatic Science Meeting, Granada, Spain, 22-27th February 2015 (Poster).
- Decker C, Potier N, Zorn N, Caprais J-C, Leize-Wagner E, Lallier FH, Olu K & Andersen AC. (2015a). *Globins and their characteristics in two vesicomyid bivalve species enabling their life in the reduced environments of the Congo deep-sea fan.* CONNECT: COLloque National sur la biologiE et l'écologie des éCosystèmes à base de ChimiosynThèse, Université du Maine, Le Mans, France, 11-13rd May 2015 (Poster).
- Andersen AC, Louvigné M, Guézi H, Szafranski K, Shillito B, Duperron S, Lallier FH & Tanguy A. (2015). *Apoptose et Symbiose chez les Mollusques Bivalves.* CONNECCT: COLloque NatioNal sur la biologiE et l'écologie des éCosystèmes à base de ChimiosynThèse, Université du Maine, Le Mans, (France), 11-13rd May 2015 (Poster).
- Tanguy A, Guézi H, Boutet I, Andersen AC, Takeuchi T, Satoh N, Shoguchi E & Lallier FH. (2015). *Etude transcriptomique du modèle moule hydrothermale (*Bathymodiolus azoricus*) en relation avec la symbiose et son environnement: bilan des connaissances.* COLloque NatioNal sur la biologiE et l'écologie des éCosystèmes à base de ChimiosynThèse (CONECCT), Université du Maine, Le Mans (France), 11-13rd May 2015 (Oral by AT).
- Guézi H, Boutet I, Andersen AC, Piquet B, Lallier FH & Tanguy A. (2013). *The potential implication of apoptosis in the control of chemosynthetic symbionts in *Bathymodiolus thermophilus*.* First International Conference on Fish & Shellfish Immunology, Vigo, (Spain), 25-28th June 2013 (Oral by AT).
- Decker C, Zorn N, Potier N, Leize-Wagner E, Lallier FH, Rabouille C, Olu K & Andersen AC. (2013). *Globin diversity in five vesicomyid species from seeps and reduced environments off the Gulf of Guinea.* 5th International Symposium on Chemosynthetic-Based Ecosystems Victoria (Canada), 18-23th August 2013 (Poster).
- Guezi H, Tanguy A, Andersen AC, Piquet B, Boutet I, Satoh N, Shoguchi E & Lallier FH. (2013). *Transcriptomic analysis of the control of chemosynthetic symbionts in *Bathymodiolus thermophilus* in natural and experimental populations.* 5th International Symposium on Chemosynthetic-Based Ecosystems, Victoria (Canada), 18-23th August 2013 (Oral by SH).
- Decker C, Potier N, Zorn N, Leize-Wagner E, Lallier FH, Olu-Le Roy K & Andersen AC. (2012). *Adaptation des bivalves Vesicomyidae aux environnements réducteurs profonds : exemple des pigments respiratoires chez deux espèces sympatriques.* Séminaire Ecchis, GDR ECCHIS- Groupe de Recherche sur les Ecosystèmes Chimiosynthétiques Museum d'Histoire Naturelle MNHN, Paris (France), 24-26th september 2012, (Oral by AA)
- Jehenne F, Decker C, Carlier C, Lallier F, Olu K & Andersen AC. (2012). *Données sur la Reproduction de Vesicomyidae du Golfe de Guinée.* GDR ECCHIS- Groupe de Recherche sur les Ecosystèmes Chimiosynthétiques Museum d'Histoire Naturelle MNHN, Paris (France), 24-26th September 2012 (Oral by AA).
- Andersen AC & Fasshauer C. (2012). *Crab Hemocyanins: compared oxygen-binding capacities between deep-sea *Chaceon mediterraneus* and seashore *Carcinus maenas*.* European program

- Hermione (Hotspot Ecosystem Research and Man's Impact on European seas). Workshop on adaptative and genomic competences, Roscoff (France), 22-23rd May 2012 (Oral by AA).
- Decker C, Potier N, Zorn N, Leize-Wagner E, Lallier F, Olu K & Andersen AC. (2012). *Globins in vesicomyid bivalves as an adaptation to hypoxic environments*. 13th International Deep-Sea Biology Symposium, Wellington, (New Zealand), 3-7th December, 2012 (Poster).
- Olu K, Decker C, Andersen AC, Arnaud-Haond S, Caprais J-C, Khripounoff A, Krylova E, Marcon Y, Ondréas H & Rabouille C. (2012). *Distribution of vesicomyid bivalve species associated to cold seeps in the Congo basin: spatial or dynamic control?* Deep-Sea Biology Symposium, Wellington, (New Zealand), 3-7th December, 2012 (Oral by KO).
- Decker C, Olu-Le Roy K, Lallier FH & Andersen AC. (2011). *Globins In Vesicomyid Bivalves as an adaptation to hypoxic environments*. CAREX Conference on Life in Extreme Environments, Dublin, (Ireland), 18-20th October 2011 (Oral by FL).
- Andersen AC, Bruneaux M, Meunier C, Terrier P, Leize E & Lallier FH. (2011). *Hemoglobin characteristics in Siboglinids as an adaptation to harsh environments*. Hermione (Hotspot Ecosystem Research and Man's Impact on European seas) Annual meeting, Malaga (Spain), 11-15th April 2011 (Poster).
- Andersen AC, Bruneaux M, Meunier C, Terrier P, Leize E, Zal F & Lallier FH. (2010). *Hemoglobins in tiny Siboglinid tubeworms: comparison between frenulata, monilifera and vestimentifera from harsh environments*. XVIth International Conference on Oxygen Binding and Sensing Proteins, Antwerpen (Belgium), 22-26th August 2010 (Poster).
- Praeg D, Ceramicola S, Pierre C, Mascle J, Dupré S, Andersen AC, Bayon G, Bouloubassi I, Camera L, Cova A, De Lange G, Ducassou E, Freiwald A, Harmegnies F, Hebbeln D, Loncke L, Mastalerz V, Migeon S, Mostafa A & Taviani M. (2010). *Evidence of active mud volcanoes on the Calabrian accretionary prism, Ionian Sea* CIESM the Mediterranean Science Commission, Venice (Italy), 10-14th May 2010 (Oral by DP).
- Andersen AC, Bruneaux M, Le Guen D, Meunier C, Giraldo C, Rousselot M, Hourdez S & Zal F. (2009). *Respiratory Adaptations in Siboglinids from Vents and Seeps*. 4th International Symposium on Chemosynthesis-Based Ecosystems., Okinawa (Japan), 29 June to 3rd July 2009, (Poster).
- Andersen AC, Hourdez S & Jollivet D. (2009). *Adaptative mechanisms in response to hypoxic conditions*. HERMIONE KickOff meeting, Sorrento (Italy), 6-9th April 2009 (Oral by DJ).
- Andersen AC, Caprais JC, Meunier C, Le Guen D, Bruneaux M & Zal F. (2008). *La distribution de deux espèces de Pogonophores des suintements froids de Norvège reflète-t-elle leur équipement respectif en hémoglobines i.e. transporteurs d'oxygène et de sulfures?* GDR ECCHIS, Roscoff, Bretagne (Oral by AA).
- Praeg D, Pierre C, Mascle J, Dupré S, Andersen AC, Bayon G, Bouloubassi I, Camera L, Ceramicola S, Harmegnies F, Loncke L, Mastalerz V, Mostafa A & Vanreusel A. (2008). *HERMES-Medeco 2 expedition to the Calabrian Arc: evidence of mud volcanic activity and associated ecosystems*. Hermes Annual Workshop, Faro, Portugal, 31 March-4th April 2008. .
- Andersen AC, Caprais JC, Meunier C, Le Guen D, Bruneaux M & Zal F. (2008). *Pogonophora in the Norwegian seeps : Does the species distribution depend on their respective hemoglobins ?* Third Hermes Annual Conference Meeeting, Faro (Portugal), 31 March-4 April 2008 (Oral by AA).
- Andersen AC, Bruneaux M, Giraldo C, Meunier C, Hourdez S, Rousselot M & Zal F. (2008). *Siboglinids from vents and seeps : comparison of their hemoglobins in relation with their habitats*. Chess Workshop on Siboglinidae, Honolulu, Hawai (USA), 28-31st October 2008 (Oral by AA).
- Andersen AC. (2008). *Vestimentiferan tubeworms from vents and seeps: how different are they?* XXth International Conference of Zoology, University of Paris VI, Paris (France), 25-29th August 2008 (Oral by AA).
- Andersen AC, Giraldo C, Bruneaux M & Zal F. (2008). *Siboglinids and their Hemoglobins*. Hermes' Medeco Post-Cruise Meeting, Ifremer, Brest (France), 6-7 November 2008 (Oral by AA).
- Sanchez S, Andersen AC, Hourdez S & Lallier FH. (2007). *Tissue-specific of different carbonic anhydrases in the chemoautotrophic symbiosis Riftia pachyptila*. Society for Experimental Biology (SEB) Annual Main Meeting, Glasgow, (Scotland), March 31-April 4, 2007 (Oral by SS).

- Olu-Le Roy K, Andersen AC, Batany A, Caprais JC, Decker C, Desbruyères D, Fabri MC, Noel P, Van Gaever S, Foucher JP & Nouzé H. (2007). *Benthic communities, results from the Vicking Cruise*. 2nd Annual Hermes Meeting, Faro (Portugal), 26-30 March 2007, (Oral by AA).
- Andersen AC, Hourdez S, Rousselot M, Marie B, Jollivet D, Lallier FH, Sibuet M & Zal F. (2006). *Escarpia southwardae, species description, morphotypes variability and hemoglobins of the east African vestimentiferan tubeworm (Annelida Siboglinidae)*. Biozaire, post-cruise meeting, Ifremer, Brest (France), June 2006 (Oral by AA).
- Sanchez S, Andersen AC, Hourdez S & Lallier FH. (2006). *Gill-specific expressed sequences in the chemoautotrophic symbiosis Riftia pachyptila*. 5th International Congress of the Symbiosis Society, Vienna (Austria), 4-10th August 2006 (Oral by SS).
- Andersen AC, Hourdez S, Rousselot M, Marie B, Jollivet D, Lallier FH, Sibuet M & Zal F. (2005). *The east-Atlantic cold seep vestimentiferan species Escarpia southwardae (Annelida siboglinidae): species description, morphotypes variability and hemoglobins*. Third International Symposium on hydrothermal Vent and Seep Biology, Scripps Institution of Oceanography, La Jolla, San Diego, California, (USA), 12-16th September 2005 (Oral by AA).
- Andersen AC, Flores J & Hourdez S. (2005). *Comparison of biometric measurements of the gills of the two morphotypes of Ridgeia piscesae and their implications for gaz transfer efficiency*. Third International Symposium on hydrothermal Vent and Seep Biology, Scripps Institution of Oceanography, La Jolla, San Diego, California (USA), 12-16 th September 2005 (Poster).
- Andersen AC, De Cian MC & Lallier FH. (2005). *Carbonic anhydrase in two hydrothermal vents decapods*. Third International Symposium on hydrothermal Vent and Seep Biology, Scripps Institution of Oceanography, La Jolla, San Diego, California, (USA), 12-16 September 2005 (Poster).
- Andersen AC, Hourdez SH & Zal F. (2005). *Molecular Adaptations of Macrofauna to harsh environment in cold seeps*. Hermes workshop Meeting to preparation of Mediterranean cruises, Ifremer Brest (France), 2-4th November 2005 (Oral by AA).
- Andersen AC, Hourdez S, Marie B, Jollivet D, Lallier FH & Sibuet M. (2003b). *Escarpia southwardae a new species of vestimentiferan tubeworm from west-african cold seeps*. 10th Deep-Sea Biology Symposium, Coos Bay, Oregon (USA), 25-29th August 2003 (Poster).
- Sibuet M., Caprais J.C., Crassous P., Duperron S., Fabri M.C., Fifis A., Galeron J., Khripounoff A., Menot L., Nadalig T., Olu-Le Roy K., Vangriesheim A., Andersen AC & Von Cosel R. (2003). *Rich and complex deep sea ecosystems on the equatorial African margin: general objectives and results of the BIOZAIRe environmental program*. 10th Deep-Sea Biology Symposium Coos Bay, Oregon, (USA), 25-29th August 2003 (Oral by MS).
- Andersen AC, Hourdez S, Marie B, Jollivet D, Lallier FH & Sibuet M. (2003). *Escarpia southwardae a new species of Vestimentiferan tubeworm (Annelida, Obturata) from West-African cold seeps*. Interridge Workshop on Biogeography and Biodiversity of chemosynthetic ecosystems: planning for the future, Southampton Oceanographic Centre, (Great-Britain) 16-18 June 2003 (Poster).
- Andersen AC, De Cian M.C., Bailly X & Lallier FH. (2001). *Hemoglobin synthesis in the symbiotic Vestimentiferan Tube-worm Riftia pachyptila*. 2nd International Symposium on Hydrothermal Vent Biology, Brest (France), Oct 8-12th 2001 (Oral by AA).
- Andersen AC, Jolivet S, Claudinot S & Lallier FH. (2001). *Biometry of the branchial plume of Riftia pachyptila*. 2nd International Symposium on Hydrothermal Vent Biology, Brest (France), 8-12th October 2001 (Oral by AA).
- Andersen AC, Jolivet S, Claudinot S & Bailly X. (2000). *L'approvisionnement des symbiontes de Riftia: rôle de l'organe branchial*. Journées Dorsales, Roscoff (France), 20-22th Sept. 2000 (Oral by AA).
- Andersen AC, Hamraoui L & Lallier FH. (1997). *Does Riftia have a HCO<sub>3</sub>- anion exchanger for carbon dioxide transport processes ?* First International Symposium on Hydrothermal Vent Biology, Funchal, Madeira (Portugal), 19-24th Oct. 1997 (Poster).

- Claudinot S, Andersen AC & Jouin-Toulmond C. (1997). Could the myoepithelial cells of *Riftia pachyptila* be the hematopoietic site for the coelomic hemoglobin ? Biologie des Sources Hydrothermales Profondes, Journées d'échanges du Programme Dorsales, Roscoff (France), 6-8th Oct. 1997 (Oral by AA).
- Andersen AC & Lallier FH. (1996). Immunolocalization of a Band-3 analog in the deep-sea hot vent vestimentiferan, *Riftia pachyptila*, Jones. Annual Meeting for the Society for Experimental Biology, University of Lancaster (England), 25-29th March 1996 (Poster).
- Meijer L, Andersen AC, Azzi L, Baratte B, Diaz L & Mordret G. (1993). Starfish oocytes and sea urchin egg, two models to study cell cycle control. Annual Symposium of the Marine Biological Association of the United Kingdom, Plymouth (England), 19-21st April 1993 (Oral by LM).
- Andersen AC, Tonon MC, Jegou S, Danger JM, Fasolo A, Pelletier G, Eberlé AN & Vaudry H. (1989). Etude de la colocalisation des neuropeptides dans le complexe hypothalamo-hypophysaire de la grenouille. Congrès de la Société Française des Neurosciences, Montpellier (France), 9-12nd may 1989 (Oral by HV).
- Andersen A.C., Danger J.M., Fasolo A., Kah O., Tonon M.C. & H. V. (1988). Colocalization of gonadotropin-releasing hormone associated peptide (GnRH-AP) and Gonadotropin-releasing hormone (GnRH) in the frog brain. 8th European Winter Conference of Brain Research, Alpes (France), (Poster).
- Pelletier G, Netchitailo P, Feuilloley M, Lamacz M, Leboulenger F, Tonon MC & Andersen AC. (1987). Immunocytochemical localization of ANF in the frog brain and pituitary. Symposium on Atrial Natriuretic Factors and Brain, Polarmar (Vénézuéla), 6-8th june 1987 (Oral by GP).
- Andersen AC, Jegou S, Benyamina M, Delbende C, Tonon MC, Eberle AN, Pelletier G & Vaudry H. (1987). Regionalization of melanin concentrating hormone (MCH) and alpha-melanocyte stimulating hormone ( $\alpha$ -MSH) in the frog brain and pituitary. Colocalization of MCH and  $\alpha$ -MSH in the preoptic nucleus. 7th European Winter Conference of Brain Research, Avoriaz, (France), (Poster).
- Andersen AC, Delbende C, Eberle AN & Jegou S. (1987). Distribution et caractérisation des peptides mélanothropes et opiacés dans le cerveau de la grenouille. Association des Physiologistes, Paris (France), 11-12nd may 1987 (Oral by SG).
- Netchitailo P, Feuilloley M, Pelletier G, Cantin M, Andersen AC, Leboulenger F & Vaudry H. (1986). Immunohistochemical localization of the Atrial Natriuretic Factor (ANF) in the frog brain. 13th Conference of European Comparative Endocrinologists, Belgrade, (Yugoslavia), Sept 1986 (Oral by PN).
- Andersen AC, Pelletier G, Eberlé AN, Leroux P, Jégou S & Vaudry H. (1986). Melanin concentrating hormone like peptide: Regionalization in the frog brain and pituitary and subcellular localization in the neurohypophysis. Satellite Conference on the Melanotropin peptides, Tucson, Arizona, (USA), Oct 1986 (Oral by HV).
- Amiard-Triquet C., Amiard J.C., Andersen A.C., Elie P. & Metayer C. (1986). The eel *Anguilla anguilla* L. as a bioindicator of metal pollution : factors limiting its use. International Association for Water Pollution Research and Control Rio de Janeiro (Brazil), 17-22nd August 1986 (Oral by CAT).

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