

Curriculum vitae

RENAULT Tristan Charles

Né le 15 juin 1962 à Ivry sur Seine (France)

Nationalité française

Vie maritale - Un enfant



1. Diplômes et formations complémentaires

1. 1. Diplômes

- ◆ Docteur Vétérinaire (1988), lauréat de l'Université P. Sabatier de Toulouse et lauréat de l'Académie Vétérinaire de France
- ◆ Titulaire du DEA d'Immunologie d'Ile de France (Université Paris VII) (1988)
- ◆ Diplômé du Cours d'Immunologie Approfondie (1988), du Cours de Génie Génétique (1993) et du Cours de Microscopie Electronique (1994) de l'Institut Pasteur (Paris)
- ◆ Diplômé du Cours de Méthodologie Statistique (1998) de l'Université Louis Pasteur, (Strasbourg)
- ◆ HDR (2007), Université de La Rochelle
- ◆ Qualification Professeur des Universités (2010) en Section 65 - Biologie cellulaire et en Section 68 - Biologie des organismes

1. 2. Formations complémentaires

- ◆ Microscope électronique à transmission/Analyse d'image et microscopie quantitative en biologie et en médecine,
- ◆ PCR/PCR *in situ*/PCR Quantitative/Hybridation *in situ* en microscopie photonique
- ◆ Expérimentation Animale, niveaux II et I
- ◆ Compétence à la radioprotection
- ◆ Analyse et acquisition pour la cytométrie en flux
- ◆ Epidémiologie
- ◆ Formations internes Ifremer : Gestion à l'Ifremer/Gestion des risques chimiques/Montage de projets européens/Démarche qualité/Responsables de thèmes et de programmes Ifremer/Entretien annuel d'appréciation/Gestion de projets

2. Coursus professionnel

2. 1. Emploi occupé aujourd'hui

Employeur Institut Français de Recherche pour l'Exploitation de la Mer (Ifremer)

Emploi occupé ◆ Cadre de Recherche III
◆ Directeur du Département Ressources Biologiques et Environnement

Adresse professionnelle Ifremer, rue de l'Île d'Yeu, P 21105 - 44311 Nantes Cedex 03, France, tél : 33 (0) 2 40 37 41 89, E-mail: trenault@ifremer.fr

2. 2. Expériences professionnelles

- ◆ 1985-1986 : moniteur de travaux pratiques en chaire d'anatomie-pathologie - histologie, Ecole Nationale Vétérinaire de Toulouse
- ◆ 1987 : recrutement au titre de main d'oeuvre occasionnelle, Laboratoire d'Ichthyopathologie, station INRA Thiverval-Grignon
- ◆ Décembre 1988 à mars 1990 : Volontaire à l'Aide Technique (VAT), Laboratoire de Pathologie, Ifremer, Centre Océanologique du Pacifique, Tahiti, Polynésie Française
- ◆ Mai 1990 à août 1991 : contrat à durée déterminée en tant que chercheur, responsable du Laboratoire de Pathologie, Ifremer, Centre Océanologique du Pacifique, Tahiti, Polynésie Française
- ◆ 1992-1996 : responsable de l'Unité de Recherche en Pathologie et Immunologie Générales (Laboratoire de Génétique, Aquaculture et Pathologie, Ifremer Ronces les Bains, Charente Maritime, France)
- ◆ 1996-2001 : chercheur au sein du Laboratoire de Génétique et Pathologie (Ifremer Ronces les Bains)
- ◆ 2001-2004 : responsable du pôle Recherche en Pathologie du Laboratoire de Génétique et Pathologie (Ifremer Ronces les Bains)
- ◆ 2003-2004 : animateur thématique Pathologie du Département Ressources Aquacoles (Direction des Ressources Vivantes, Ifremer)
- ◆ 2004-2008 : responsable du projet « Agents pathogènes en aquaculture »
- ◆ 2005-2011 : directeur du Département « Amélioration Génétique, Santé Animale et Environnement » et responsable du Laboratoire Génétique et Pathologie (Ifremer Ronces les Bains)
- ◆ 2012-2015 : responsable de l'Unité « Santé, Génétique et Microbiologie des Mollusques »
- ◆ Depuis mars 2015 : responsable du Département Ressources Biologiques et Environnement

3. Compétences

3. 1. Domaines de compétence scientifiques

Santé animale, pathologie générale, pathologie des invertébrés marins, virologie, immunologie, bactériologie, protistologie, microscopies, biologie moléculaire, cytométrie en flux, épidémiologie, écotoxicologie

3. 2. Compétences techniques

- ◆ *Histologie, histochimie et immunohistochimie*
- ◆ *Microscopie électronique à transmission*
- ◆ *Biologie moléculaire*
- ◆ *Cultures cellulaires*
- ◆ *Méthodes immunologiques*
- ◆ *Purification de parasites protozoaires et de virus*
- ◆ *Pathologie expérimentale (bactéries, virus et parasites)*
- ◆ *Cytométrie en flux*

3. 3. *Compétences manageriales*

- ◆ *Gestion de crédits de fonctionnement et d'investissement (laboratoire, département, unité, projets de recherche),*
- ◆ *Gestion de personnel (plus de 600 agents)*
- ◆ *Gestions d'infrastructures (laboratoires, installations aquacoles, bassins d'essai)*

3. 4. *Compétences en communication*

- ◆ *Prise de parole en réunions scientifiques, professionnelles (ministères, conchyliculture) et publiques,*
- ◆ *Interviews téléphoniques et radiophoniques, reportages télévisuels*

4. Principales réalisations

- ◆ Participation à des contrats européens (Contrat CEE 1530 PCF (Study to be carried out in the aquaculture sector on the transmission of the pathogenic agents *Bonamia ostreae* and *Marteilia refringens*), ROMEO, DISENV, VINO, PLUDAMOR, AVINSI, PANDA, AQUAFIRST, EROCIPS, WOPER, SUDEVAB et BIVALIFE¹) avec la fonction de coordinateur pour quatre d'entre eux : VINO, AVINSI, PLUDAMOR et BIVALIFE
- ◆ Implication dans des programmes de recherche nationaux et internationaux
- ◆ Gestion de la recherche (responsabilité de laboratoire, de département, d'unité et de projets)
- ◆ Encadrement d'équipes (plus de 600 agents) et encadrement scientifique (plus de 80 étudiants dont 20 doctorants)
- ◆ Formation et enseignements (Ecoles Nationales Vétérinaires, Affaires Maritimes, Master II recherche, DEA, Maîtrise, Licence, IUT, ...)
- ◆ Valorisation scientifique : publications (plus de 170 dans des revues à comité de lecture) et présentations de travaux de recherche (plus de 300) à des congrès nationaux et internationaux
- ◆ Développement d'outils de diagnostic utilisés aujourd'hui dans différents laboratoires (déclaration d'invention en vue d'un brevet. Méthode de diagnostic d'un génotype particulier d'OsHV-1 (Ostreid Herpes Virus 1) -OsHV μ Var- lors d'une infection virale par l'herpès virus de l'huître, octobre 2009)
- ◆ Implication dans la mise en place (1992) et le fonctionnement du Réseau Pathologie des Mollusques (Repamo) de l'Ifremer ainsi que dans la désignation du Laboratoire de Génétique et Pathologie (Ifremer La Tremblade) comme laboratoire de référence pour l'Union Européenne dans le domaine des maladies des mollusques marins (1995)

1: ROMEO: **R**esearch **O**bjective: **M**ortality in **E**uropean **O**ysters / E. C. n° FA-S2 9052 ; DISENV : Environmental Factors and Shellfish Diseases / FAIR-CT98-4129 ; VINO: Virus Infections in Oysters : Diagnosis of oyster herpes-like virus infections : development and validation of molecular, immunological and cellular tools / FAIR-CT986434 ; PLUDAMOR : **P**luridisciplinary **A**pproach for **M**ollusc **R**esearch / QLK5-CT-2000-60036 ; AVINSI: Antiviral innate immunity in cultured aquatic species / QLK2-CT2002-01691 ; PANDA: Permanent network to strengthen expertise on infectious diseases of aquaculture species and scientific advice to EU policy, FP6, contrat n° 502329 ; AQUAFIRST: Combined and functional genomic approaches for stress and disease resistance marker-assisted selection in fish and shellfish, FP6, contrat n° 513692 ; EROCIPS: Emergency Response to Coastal Oil, Chemical and Inert Pollution from Shipping, FP6 ; WOPER: **W**orkshop for the analysis of the impact of **P**erkinsosis to the European shellfish industry, FP6, contrat n° 044442; SUDEVAB : **S**ustainable **D**evelopment of European SMEs engaged in **A**balone Aquaculture, contrat no.: 22215, FP7, Research for SME –2007-1 ; BIVALIFE : Controlling infectious diseases in oysters and mussels in Europe, FP7, KBBE 2010.

- ◆ Implication dans la mise en place et le fonctionnement d'un réseau de laboratoires agréés et d'un réseau de laboratoire reconnu pour la recherche d'agents infectieux infectant les mollusques bivalves
- ◆ Expertises dans le domaine de la pathologie et de l'immunologie des invertébrés marins (expert pour le Conseil International pour l'Exploration de la Mer (CIEM), expert auprès de l'Anses (Agence Nationale de Sécurité Sanitaire des Aliments), expert auprès de l'European Food Safety Authority (EFSA), expert auprès de la Commission Européenne pour l'évaluation de projets de recherche, expert pour l'Agence d'Evaluation de la Recherche et de l'Enseignement Supérieur (AERES)), revues d'articles et de projets de recherche, ...

5. Bibliographie

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- Hubert Françoise, Morga Benjamin, **Renault Tristan**, Le Guyader Soizick (2017). Adsorption of norovirus and ostreid herpesvirus type 1 to polymer membranes for the development of passive samplers. *Journal of Applied Microbiology*, 122(4), 1039-1047. <http://doi.org/10.1111/jam.13394>
- Azema Patrick, Lamy Jean-Baptiste, Boudry Pierre, **Renault Tristan**, Travers Marie-Agnes, Degremont Lionel (2017). Genetic parameters of resistance to *Vibrio aestuarianus*, and OsHV-1 infections in the Pacific oyster, *Crassostrea gigas*, at three different life stages. *Genetics Selection Evolution*, 49(23), 1-16. <http://doi.org/10.1186/s12711-017-0297-2>

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- Segarra Amélie, Baillon Laury, Faury Nicole, Tourbiez Delphine, **Renault Tristan** (2016). Detection and distribution of ostreid herpesvirus 1 in experimentally infected Pacific oyster spat. *Journal of Invertebrate Pathology*, 133, 59-65. <http://doi.org/10.1016/j.jip.2015.11.013>
- Martenot Claire, Segarra Amélie, Baillon Laury, Faury Nicole, Houssin Maryline, **Renault Tristan** (2016). In situ localization and tissue distribution of ostreid herpesvirus 1 proteins in infected Pacific oyster, *Crassostrea gigas*. *Journal of Invertebrate Pathology*, 136, 124-135. <http://doi.org/10.1016/j.jip.2016.04.002>
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