

-**Main Activity:** health risk assessment  
(for human consumers)

-**Research activity (linked to GdR) :**

- review of toxicity data (*in vitro*, *in vivo*, humans)
- analysis of occurrence data
- dietary exposure analysis
- quantitative risk assessment/management (modeling)
- scientific support to risk manager and regulation (FR, EU, Codex)



## Educational background & Research activity per scientist

**Anne Thébault:** PhD in epidemiology & biomathematics, doctor in veterinary medicine ; marine biology, biostatistics, math. modeling

**Nathalie Arnich:** PhD in toxicology, educ. in biology & marine biology ; risk assessment associated with contaminants in food, toxicity of biotoxins

## Projects in progress

- ANR « ACCUTOX »: Physiological and genetic determinism, risk assessment and social issues of paralytic toxins (PST) accumulation by oyster *Crassostrea gigas* (2013-2017)
- ANR « FISH-PARASITES »: parasites in fish - hazard identification, impact, and researches to define an efficient strategy of prevention (2010-2014)

## Requests from French Ministries (linked to GdR) in progress

- update the strategy for setting « at-risk » periods for lipophilic phycotoxins
- review the « vigilance » system for lipophilic phycotoxins in place in France since 2010
- ciguatoxins/sharks/Réunion island
- efficiency of seawater treatments for on-land shellfish ponds

## Past & Present research projects

- 4 ANR; 3 linked to marine biology : FISH-PARASITES, COQENPATH, ACCUTOX
- 5 European projects; 2 linked to marine biology

**International peer-reviewed publications:** 19 (Anne) + 12 (Nathalie)

**International conferences:** oral/poster at ICMSS (all since 2004), HAB 2010  
scientific & edition committee of ICMSS-2009 in France

# Figure représentative de l'équipe

## 1. Hazard identification

*What are the potential adverse health effects? One or several compounds?*

## 2. Hazard characterization

*What are the nature and the severity of the health effects at different exposure levels (dose-response)?*

## 3. Exposure assessment

*What is the amount of the contaminant to which people were exposed or could be exposed?*

## 4. Risk characterization

*What is the health risk caused by the contaminant in the exposed population (likelihood and severity of an adverse effect)?*

