

Identification

Jonathan AC Roques

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Current position: Postdoctoral researcher, University of Gothenburg (*Since November 2016*)

Research project: NOMACULTURE, Finding optimal culture conditions for spotted wolffish in RAS

Laboratory: Department of Biological and Environmental Sciences, University of Gothenburg (SW)

Previous position: Lecturer (ATER), Université de Poitiers, Poitiers (France) (*September 2015-August 2016*)

Research project: Stress response in terrestrial isopods

Laboratory: Laboratoire Ecologie et Biologie des Interactions, UMR CNRS 7267

Equipe Ecologie Evolution Symbiose, Université de Poitiers (FR)

Doctorate

PhD (2013) from Radboud University Nijmegen, Nijmegen, The Netherlands

Title: Aspects of Fish Welfare in Aquaculture Practices

Specialty: Physiology, Biology of aquatic organisms, Behavior

Defense date: December, 20, 2013

Laboratory: Department of Animal Physiology, Radboud University Nijmegen

Promotor: Dr. Pr. G Flik, (Radboud University Nijmegen)

Co-promotors: Dr. JW van de Vis and Dr. W Abbink (Wageningen IMARES UR)

Education

Year	Diploma	University	Honors
2013	PhD in Biology	Radboud University Nijmegen (NL)	-
2008	Master II Biology	Radboud University Nijmegen (NL)	-
2007	Master I FENEC (Ecology)	Université de Montpellier (FR)	With honors
2006	Bachelor in Biology of the Organisms	Université de Montpellier (FR)	With honors

Research

a) Research projects

2016-18	NOMACULTURE: Finding optimal culture conditions for spotted wolffish in RAS, Gothenburg University (SW)
2015-16	Stress response in terrestrial isopods , Université de Poitiers (FR)*
2014	Impact of domestic effluent on physiology of mangrove crab species , Université de Mayotte (FR)*
2009-13	Aspects of fish welfare in aquaculture practices , Radboud University Nijmegen & IMARES (NL)*
2012-14	Introduction and search for the optimal culture conditions of a new species to Dutch aquaculture: <ul style="list-style-type: none"> › Fork to farm: sustainable fish farming in the Netherlands, IMARES (NL) › KINGKONG: Yellowtail kingfish quality improvement by swimming exercise, nutrition and genetics, IMARES (NL)
2011-12	Value of animal welfare, Radboud University Nijmegen & IMARES (NL)

*Main researcher

b) Scientific publications in peer-reviewed journals: 13 (6 as first author)

- D Theuerkauf *et al.* Salinity variation in a mangrove ecosystem: a physiological investigation to assess potential consequences of salinity disturbances on mangrove crabs. *Accepted in Zoological studies, 21-06 2018*. IF: 1.008
- F Grandjean *et al.* (2017) Status of *Pacifastacus leniusculus* and its role in recent crayfish plague outbreaks in France: improving distribution and crayfish plague infection patterns. *Aquatic Invasions* 12:541-549. IF: 2.069
- JAC Roques**, E Schram *et al.* (2015) The impact of elevated water nitrite concentration on physiology, growth and feed intake of African catfish, *Clarias gariepinus*. *Aquaculture Research* 46:1384-1395. IF: 1.606
- AB Garcia *et al.* (2015) Ambient salinity and osmoregulation, energy metabolism and growth in juvenile yellowtail kingfish (*Seriola lalandi* Valenciennes 1833) in a recirculating aquaculture system. *Aquaculture Research* 46(11):2789-2797. IF: 1.606
- J Boerrigter *et al.* (2015) Recovery from transportation by road of farmed European eel (*Anguilla anguilla*). *Aquaculture Research* 46:1248-1260. IF: 1.606
- A Palstra *et al.* (2015) Forced sustained swimming exercise at optimal speed to enhance growth performance of yellowtail kingfish. *Frontiers in Aquatic Physiology: Physiological adaptations to swimming in fish* 5:00506. IF: 4.031
- JAC Roques**, E Schram *et al.* (2014) The impact of elevated water nitrate concentration on physiology, growth and feed intake of African catfish, *Clarias gariepinus* (Burchell, 1822). *Aquaculture Research* 45:1499-1511. IF: 1.606
- JAC Roques**, E Schram *et al.* (2014) The impact of elevated water ammonia and nitrate concentrations on physiology, growth and feed intake of pikeperch (*Sander lucioperca*). *Aquaculture* 420-421:95-104. IF: 1.893
- R Manuel, *et al.* (2014) Stress in African catfish (*Clarias gariepinus*) following overland transportation. *Fish Physiology and Biochemistry* 40:33-44. IF: 1.442
- W Abbink, *et al.* (2012) The effect of temperature and pH on the growth and physiological response of juvenile yellowtail kingfish (*Seriola lalandi*) in recirculating aquaculture systems. *Aquaculture* 330-333:130-135. IF: 1.893
- JAC Roques et al.** (2012) Physiological and behavioural responses to an electrical stimulus in Mozambique tilapia (*Oreochromis mossambicus*). *Fish Physiology and Biochemistry* 38:1019-28. IF: 1.442
- JAC Roques**, E Schram, *et al.* (2010) The impact of elevated water ammonia concentration on physiology, growth and feed intake of African catfish (*Clarias gariepinus*). *Aquaculture* 306:108-115. IF: 1.893
- JAC Roques**, W Abbink *et al.* (2010) Tailfin clipping, a painful procedure: Studies on Nile tilapia and common carp. *Physiology and Behavior* 101:533-540. IF: 2.461

c) Citations indices

	All	Since 2013
Citations	294	267
h-index	9	9
i10-index	9	9

Source: Google scholar, [June 2018](#)

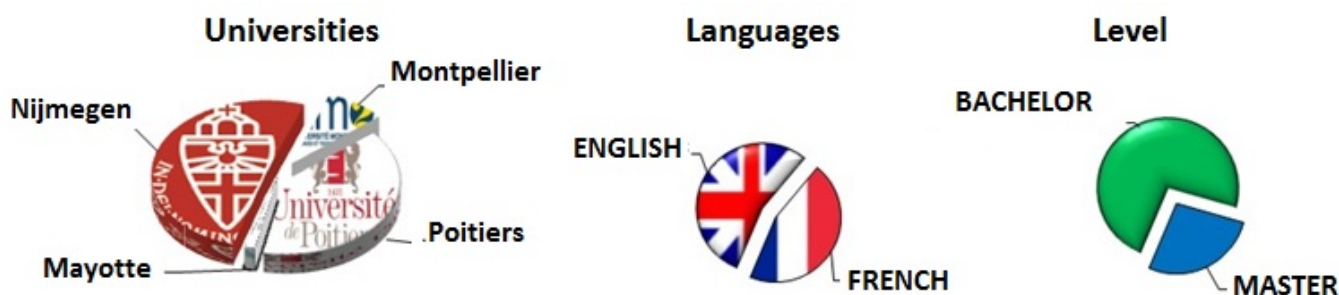
d) Seminars and congresses

Seminar or congress, venue	Year	Rank in the communication	Oral	Poster
Colloque d'écophysiologie Animale (CEPA3), Strasbourg, FR	2017	1 st *		x
Aquaculture 2015: Cutting Edge Science in Aquaculture, Montpellier, FR	2015	1 st *	x	
Aquaculture 2015: Cutting Edge Science in Aquaculture, Montpellier, FR	2015	1 st *		x
Liverpool University, Liverpool, UK, seminar	2015	1 st *	x	
SEB Prague, Prague, CZ	2015	3 rd		x
Western Indian Ocean Marine Science Association (WIOMSA) 9 th symposium, Wild Coast Sun, ZA	2015	3 rd		x
SEB Valencia, Valencia, Spain (3-6/07 2013)	2013	5 th		x
Proceedings of Aqua 2012 Global Aquaculture - securing our future, Prague, CZ	2012	2 nd		x
Proceedings of Aqua 2012 Global Aquaculture - securing our future, Prague, CZ	2012	6 th	x	
IWWR PhD day, Radboud University Nijmegen, NL	2012	1 st *	x	
IMARES PhD day, Texel, NL	2012	1 st *	x	
Humane Slaughter Association Centenary International Symposium, Portsmouth, UK	2011	1 st *		x
Humane Slaughter Association Centenary International Symposium, Portsmouth, UK	2011	3 rd		x
European Aquaculture Society, Aquaculture Europe 2011 - 'Mediterranean Aquaculture 2020', Rhodes, GR	2011	2 nd	x	
European Aquaculture Society, Aquaculture Europe 2011 - 'Mediterranean Aquaculture 2020', Rhodes, GR	2011	5 th	x	
IWWR PhD day, Radboud University Nijmegen, NL	2010	1 st *	x	
Proceedings Aquaculture Europe 2010, Porto, PT	2010	2 nd		
NVG PhD workshop, Dalfsen, NL	2009	1 st *	x	

* Presenting author

Teaching and supervision

a) Teaching hours: 573 (since 2007), Level: Bachelor and Master, Language: English and French



b) Students supervision: 12 trainees (since 2007), including 5 Bachelor and 7 Master students