

Curriculum Vitae

Personal information

First name / Family name	Lucie MARANDEL		
Address(es)	Aquapole INRA, quartier Ibarron, 64310 Saint-Pée-sur-Nivelle		
Telephone			
Mobile			
E-mail	Lucie.marandel@inra.fr		
Nationality	French		
Date of birth			
Gender	Female		

Personal statement

After my PhD, I awarded a Marie Curie Fellowship in an ITN project to perform a post-doctorate in Belgium and strengthen my skills in epigenetics. In 2013, I get a permanent position at INRA to investigate epigenetic regulation induced by nutrient in rainbow trout, a teleost with a complex genome. Since 2014, I developed a high score of publications in collaboration mainly with French teams. Agreenskills+ fellowship will be the opportunity to develop international collaboration and learn new skills in the field of the regulation of genes. This fellowship will also allow me to give specific courses in epigenetics and duplicated genomes in an international university.

Education and training

Please provide information regarding your Ph.D. and M.S

Location and dates	07/2012-12/2013 Liège, Belgium
Title of qualification awarded	Post-doctorate
Principal subjects/occupational skills covered	Marie Curie fellowship, Initial Training Network INGENIUM (study of mechanisms responsible for epigenetic marking of imprinted genes to understand the role of epigenetic mutations in human disease)
Name of Institute	Diagenode

Location and dates	10/2008-10/2011 Rennes, France
Title of qualification awarded	PhD in Biology (University of Rennes 1)
Principal subjects/occupational skills covered	Characterisation of nanog, c-myc, pou2 et sox2 during embryonic development in goldfish (Carassius auratus) – Molecular Biology, Epigenetics, Duplicated genome
Name of Institute	INRA

Location and dates	09/2007-06/2008 Rennes, France
Title of qualification awarded	Master degree in Animal Physiology
Principal subjects/occupational skills covered	Training : Study of the first embryonic mitosis in goldfish, first comparisons between fertilized and nuclear-transferred embryos

	Immunohistology, embryos manipulation
Name of Institute	Agrocampus Rennes (Master), INRA (training)

Location and dates	09/2005-06/2008 Rennes, France
Title of qualification awarded	Agronomical Engineer
Principal subjects/occupational skills covered	Animal physiology and biology
Name of Institute	Agrocampus Rennes, INRA

Work experience

Location and dates	01/2014-now
Occupation or position held	Permanent researcher
Main activities and responsibilities	Epigenetic regulations induced by nutrient in the context of duplicated complex genomes in teleost
Name of employer	INRA

Location and dates	07/2012-12/2013 Liège, Belgium
Occupation or position held	Post-doctorate
Main activities and responsibilities	Marie Curie fellowship, Initial Training Network INGENIUM (study of mechanisms responsible for epigenetic marking of imprinted genes to understand the role of epigenetic mutations in human disease)
Name of employer	Diagenode (Marie Curie Fellowship)

Languages

Mother tongue(s)	<i>French</i>				
Other language(s)	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	
<i>English</i>	C1	C2	C1	C2	C1
<i>German</i>	A1	A2	A2	A2	A1
<i>Add more languages if relevant</i>	(*) Common European Framework of Reference for Languages http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr				

Add as many lines as needed, delete fields which are not relevant to your profile

Academic Record

<p>Publications</p> <ul style="list-style-type: none"> • The list of your publications must be numbered in chronological order with the most recent first. • Publication details must be according to standard systems of referencing e.g. Authors (x, y, z...), year, title, journal, issue n°/volume/page range. • Please specify all contributing authors, highlighting your name in bold and respecting the authors' order. • Provide any other essential details that will help us to fully assess your contribution to the publication. 	<p>Accepted, in press and published articles / papers:</p> <p>1-Marandel L., Gaudin, P., Gueraud, F., Glise, S., Herman, A., Plagnes- Juan, E., Véron, V., Panserat, S., Labonne, J. (2018). A reassessment of the carnivorous status of salmonids : hepatic glucokinase is expressed in wild fish in Kerguelen Islands. <i>Science of the Total Environment</i>, 612, 276-285. DOI : 10.1016/j.scitotenv.2017.08.247</p> <p>2-Boonanuntanasarn, S., Kumkhong, S., Yoohat,K., Plagnes-Juan,E., Burel,C., Marandel,L., Panserat, S. (2017) Molecular responses of Nile tilapia (<i>Oreochromis niloticus</i>) to different levels of dietary carbohydrates. <i>Aquaculture</i>, doi:10.1016/j.aquaculture.2017.09.032.</p> <p>3-Liu J., Dias K., Plagnes-Juan E., Véron V., Panserat S., Marandel L. (2017). Long-term programming effect of early hypoxic stimulus and high carbohydrate diet at first-feeding on glucose metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>) juveniles. <i>Journal of Experimental Biology</i>, In Press, DOI: 10.1242/jeb.161406 → 2nd publication of my PhD student</p> <p>4-Liu, J., Plagnes- Juan, E., Geurden, I., Panserat, S., Marandel L. (2017). Exposure to an acute hypoxic stimulus during early life affects the expression of glucose metabolism-related genes at first-feeding in trout. <i>Scientific Reports</i>, 7 (1), 1-11. DOI : 10.1038/s41598-017-00458-4 → 1st publication of my PhD student</p> <p>5-Marandel L., Panserat, S., Plagnes- Juan, E., Arbenoits, E., Soengas, J. L., Bobe, J. (2017). Evolutionary history of glucose-6-phosphatase encoding genes in vertebrate lineages: towards a better understanding of the functions of multiple duplicates. <i>BMC Genomics</i>, 18, 13 p. DOI : 10.1186/s12864-017-3727-1</p> <p>6-Panserat, S., Marandel L., Geurden, I., Veron, V., Dias, K., Plagnes- Juan, E., Pegourie, G., Arbenoits, E., Santigosa, E., Weber, G., Verlhac Trichet, V. (2017). Muscle catabolic capacities and global hepatic epigenome are modified in juvenile rainbow trout fed different vitamin levels at first feeding. <i>Aquaculture</i>, 468, 515-523. DOI : 10.1016/j.aquaculture.2016.11.021 → Collaboration with DSM private company</p> <p>7-Seilliez, I., Vélez, E. J., Lutfi, E., Dias, K., Plagnes- Juan, E., Marandel L., Panserat, S., Geurden, I., Skiba-Cassy, S. (2017). Eating for two: Consequences of parental methionine nutrition on offspring metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i>, 471, 80-91. DOI : 10.1016/j.aquaculture.2017.01.010</p> <p>8-Marandel L., Dai, W. W., Panserat, S., Skiba-Cassy, S. (2016). The five glucose-6-phosphatase paralogous genes are differentially regulated by insulin alone or combined with high level of amino acids and/or glucose in trout hepatocytes. <i>Molecular Biology Reports</i>, 43 (4), 207-211. DOI : 10.1007/s11033-016-3962-6</p> <p>9-Marandel L., Véron, V., Surget, A., Plagnes- Juan, E., Panserat, S. (2016). Glucose metabolism ontogenesis in rainbow trout (<i>Oncorhynchus mykiss</i>) in the light of the recently sequenced genome: new tools for intermediary metabolism programming. <i>Journal of Experimental Biology</i>, 219 (5), 734-743. DOI : 10.1242/jeb.134304</p> <p>10-Marandel L., Lepais, O., Arbenoits, E., Veron, V., Dias, K., Zion, M., Panserat, S. (2016). Remodelling of the hepatic epigenetic landscape of glucose-intolerant rainbow trout (<i>Oncorhynchus mykiss</i>) by nutritional status and dietary carbohydrates. <i>Scientific Reports</i>, 6, 12 p. DOI : 10.1038/srep32187</p>
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	<p>11-Marandel L., Seilliez, I., Véron, V., Skiba Cassy, S., Panserat, S. (2015). New insights into the nutritional regulation of gluconeogenesis in carnivorous rainbow trout (<i>Oncorhynchus mykiss</i>): a gene duplication trail. <i>Physiological Genomics</i>, 47 (7), 253-263. DOI : 10.1152/physiolgenomics.00026.2015</p> <p>12-Seilliez, I., Froehlich, J. M., Marandel L., Gabillard, J.-C., Biga, P. R. (2015). Evolutionary history and epigenetic regulation of the three paralogous pax7 genes in rainbow trout. <i>Cell and Tissue Research</i>, 359 (3), 715-727. DOI : 10.1007/s00441-014-2060-0</p> <p>13-Marandel L., Labbé, C., Bobe, J., Jammes, H., Lareyre, J.-J., Le Bail, P.-Y. (2013). Do not put all teleosts in one net: focus on the sox2 and pou2 genes. <i>Comparative Biochemistry and Physiology. Part B, Biochemistry and Molecular Biology</i>, 164, 69-79. → 3rd paper of my PhD</p> <p>14-Marandel L., Labbé, C., Bobe, J., Le Bail, P.-Y. (2012). Evolutionary history of c-myc in teleosts and characterization of the duplicated c-myca genes in goldfish embryos. <i>Molecular Reproduction and Development</i>, 79 (2), 85-96. 10.1002/mrd.22004 → 2nd paper of my PhD</p> <p>15-Marandel L., Labbé, C., Bobe, J., Le Bail, P.-Y. (2012). nanog 5'-upstream sequence, DNA methylation, and expression in gametes and early embryo reveal striking differences between teleosts and mammals. <i>Gene</i>, 492, 130-137. → 1st paper of my PhD</p> <p>16-Depince, A., Marandel L., Goardon, L., Le Bail, P.-Y., Labbé, C. (2011). Trout coelomic fluid suitability as Goldfish oocyte extender can be determined by a simple turbidity test. <i>Theriogenology</i>, 75 (9), 1755-1761.</p> <p>Submitted publications:</p> <p>Hu H, Liu J, Plagnes-Juan E, Herman A, Leguen I, Goardon L, Geurden I, Panserat S, Marandel L. Programming of the glucose metabolism in rainbow trout juveniles after chronic hypoxia at hatching stage combined with a high carbohydrate intake at first-feeding. Submitted to <i>Aquaculture</i> → 1st publication of my 2nd PhD student</p>
Presentations as invited speaker	Marandel L. , Geurden, I., Panserat, S. (2015). <i>Nutritional programming and epigenetics: the teleost challenge</i> . Presented at SEB Annual Meeting, Prague, CZE (2015-06-30 - 2015-07-03).
Authored books or book chapter(s)	Bobe, J., Marandel L. , Panserat, S., Boudinot, P., Bethelot, C., Quillet, E., Volff, J.-N., Genet, C., Jaillon, O., Roest Crolius, H., Guiguen, Y. (2016). The rainbow trout genome, an important landmark for aquaculture and genome evolution. In: Simon MacKenzie, Sissel Jentoft, <i>Genomics in Aquaculture</i> (p. 21-43). Amsterdam, NLD : Academic Press. DOI : 10.1016/B978-0-12-801418-9.00002-0
Participation in open calls for proposals as contributor or leader	Contributor in European projects : ARRINA, Aquaexcel2020, Contributor in project France Campus Hubert Curien PHC Siam Leader in French calls : one funding from INRA, one funding from University of Pau and Pays de l'Adour

Collaboration and Networking

Participation in collaborative projects funded by competitive programmes <i>(specify if at leading position)</i>	Contributor in European projects : ARRAINA, Aquaexcel2020, Contributor in project France Campus Hubert Curien PHC Siam Leader in French calls : one funding from INRA, one funding from University of Pau and Pays de l'Adour
Partnerships or experience with industry	Post-doctorate in a private company (Diagenode in Marie Curie ITN), Research project with DSM (Switzerland)
Graduate teaching as lecturer or training coordinator; PhD supervision	PhD co-supervisor of Jingwei Liu (4 years), and Huihua Hu (1 year, exchange student with China) Supervisor of 2 master students and 2 undergraduate students

Research management, Technology transfer, and Communication

Team management	One engineer and one technician
Technological platform management	Platform of epigenetics in the NuMÉA lab

Scientific References *Add up to 3 references*

Full name	Stéphane Panserat
Position	Research Director
Institution	INRA
Email address	stephane.panserat@inra.fr

Full name	Julien Bobe
Position	Research Director
Institution	INRA
Email address	julien.bobe@inra.fr

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