

## Curriculum Vitae



### Personal information

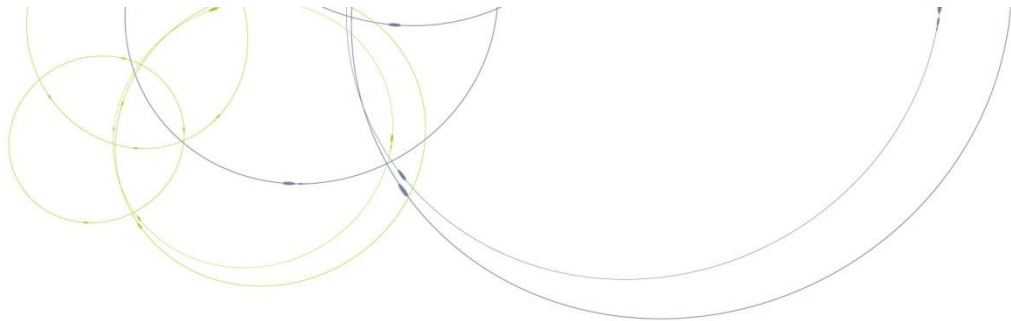
First name / Surname	<b>Fameau Anne-Laure</b>		
Address(es)			
Telephone			
Mobile			
E-mail	anne-laure.fameau@nantes.inra.fr		
Nationality	french		
Date of birth			
Gender	female		

### Personal statement and statement of intent

As young researcher passionate of science and especially in the field of foams, emulsions and interfaces since my thesis, I would like to continue to develop my skills on these subjects. That is why I have applied for a mobility period in order to go to the TU Berlin in the very well-known group of Pr. Regine von Klitzing. The aim is to develop together green photoresponsive foams. The development of responsive assemblies, foams and interfaces from biomolecules is a new topic for INRA that I want to develop during the first years of my career

### Education and training

Location and dates	<b>2008/2011</b> : Laboratory Léon Brillouin at CEA Saclay and INRA Nantes, France.
Title of qualification awarded	PhD. in Physical Chemistry - University of Nantes, France
Principal subjects/occupational skills covered	Thesis subject: Fatty acids assemblies: from bulk to interfaces. Skills: characterization of colloids in bulk (microscopy techniques, small angle scattering techniques, rheology, DSC) and characterization of interfaces, foams and emulsions (reflectivity, ellipsometry, tensiometry, microscopy), smart materials
Name of Institute	CEA (Commissariat à l'Energie atomique) and INRA (National Institut of Agricultural Research)
Location and dates	<b>2007/2008</b> : University of Nantes, France. (Scholarship based on Academic Criteria)
Title of qualification awarded	Master Degree in Food Science and Technology, University of Nantes (Scholarship based on Academic Criteria)
Principal subjects/occupational skills covered	Principal subjects: Biochemistry of foods, physics and chemistry of foods, lipid oxidation, characterization of foams and emulsions, rheology, microscopy techniques
Name of Institute	University of Nantes



### Work experience

Location and dates	Since November 2011: INRA (National Institut of Agricultural Research) NANTES, France
Occupation or position held	Research Scientist at INRA Nantes in the Interfaces and Dispersed System (ISD) team
Main activities and responsibilities	*Programme leader on "Responsive assemblies, interfaces and foams from biomolecules". *In charge of Small Angle Scattering Techniques for the ISD team.
Name of employer	INRA

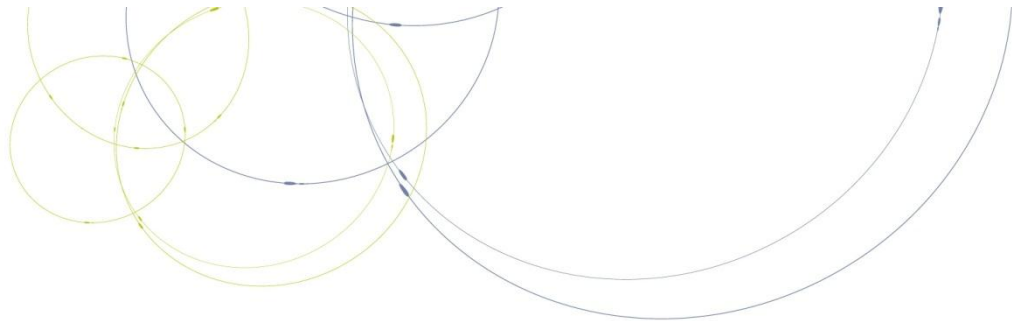
### Languages

Mother tongue(s)	<b>french</b>				
Other language(s)	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	B2	B2	B2	B2	B2
Spanish	B2	B2	B2	B1	B1

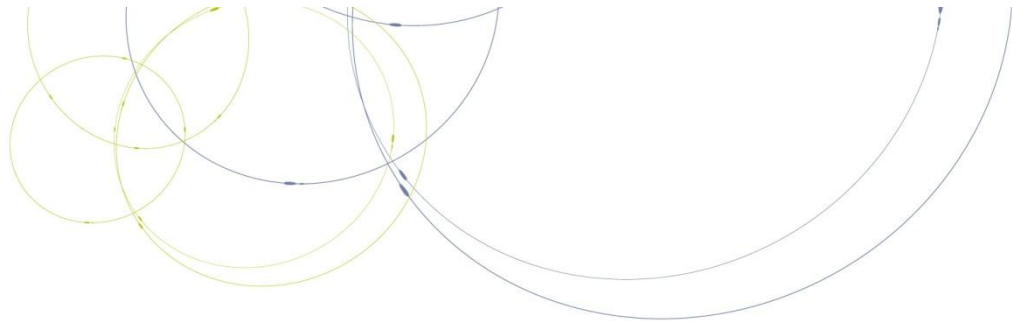
(\*) Common European Framework of Reference for Languages  
<http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

### Academic Record

Publications	<p><b>Accepted papers:</b></p> <p><b>Fameau A.L.</b>, Cousin F., Boué F., Nallet F., Navailles L., Ott F., Novales B. and Douliez J.P. (2012) <i>Multi-scale structural characterizations of fatty acid tubes with temperature tuneable diameter in bulk and at the air/water interface</i>. Neutron News, 23 (25-28).</p> <p><b>Fameau A.L.</b>, Ventureira J., Novales B. and Douliez J.P. (2012) <i>Foaming and emulsifying properties of fatty acids neutralized by tetrabutylammonium hydroxyde</i>. Colloids and Surfaces A, 403 (87-95).</p> <p><b>Fameau A.L.</b>, Saint Jalmes A., Cousin F., Houinsou B., Novales B., Navailles L., Nallet F., Gaillard C., Boué F. and Douliez J.P. (2011) <i>Smart Foams: Switching Reversibly between Ultrastable and Unstable Foams</i>. Angewandte Chemie International Edition, 50 (8264-8269). <b>Very Important Paper</b></p> <p>Varade D., Carriere D., Rodriguez-Arriaga L., <b>Fameau A.L.</b>, Rio E., Langevin D., and Drenckhan W. (2011) <i>On the origin of the stability of foams made from catanionic surfactant mixtures</i>. Soft Matter, 7 (6557-6570).</p> <p><b>Fameau A.L.</b>, Cousin F., Navailles L., Nallet F., Boué F., and Douliez J.P. (2011) <i>Multi-scale structural characterizations of fatty acid multilayer tubes with a temperature tunable diameter</i>. Journal of Physical Chemistry B, 115</p>
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	<p>(9033-9039).</p> <p><b>Fameau A.L.</b>, Douliez J.P., Boué F., Ott F. and Cousin F. (2011) Adsorption of multilamellar tubes with a temperature tunable diameter at the air/water interface. <i>Journal of Colloid and Interface Science</i>, 362 (397-405).</p> <p><b>Fameau A.L.</b>, Houinsou-Houssou B., Ventureira J., Navailles L., Nallet F., Novales B. and Douliez J.P. (2011) <i>Self assembly, foaming and emulsifying properties of sodium alkyl carboxylate/ guanidine hydrochloride aqueous mixtures</i>. <i>Langmuir</i>, 27 (4505-45013).</p> <p>Douliez J.P., Houinsou-Houssou B., <b>Fameau A.L.</b>, Novales B. and Gaillard C. (2010) <i>Self assembly of anastomosis-like superstructures in fatty acid/guanidine hydrochloride aqueous dispersions</i>. <i>Journal of Colloid and Interface Science</i>, 341 (386-389).</p> <p><b>Fameau A.L.</b>, Houinsou-Houssou B., Novales B., Navailles L., Nallet F. and Douliez J.P. (2010) <i>12-Hydroxystearic acid lipid tubes under various experimental conditions</i>. <i>Journal of Colloid and Interface Science</i>, 341 (38-47).</p> <p><b>Submitted publications:</b></p> <p><b>Fameau A.L.</b>, Gaillard C., Marion D., Bakan B. <i>Interfacial properties of functionalized assemblies of hydroxyl-fatty acid salts from fruit tomato peels</i>. Submitted to GreenChemistry.</p> <p>Nogueira Silva N., Piot M., De Carvahlo A.F., Violleau F., <b>Fameau A.L.</b>, and Gaucheron F. <i>pH-induced demineralization of casein micelles modifies their physico-chemical and foaming properties</i>. Soumis à FoodHydrocolloid.</p>
Presentations as invited speaker	<p><u>November 2011</u>: CERMAV, Grenoble, France.</p> <p><u>February 2012</u>: Technische Universität Berlin, Germany.</p> <p><u>April 2012</u>: IPREM, Pau, France.</p>
Participation in open calls for proposals as contributor or leader	<ul style="list-style-type: none"> <li>• Leader of 6 accepted proposals since 2008 in Small Angle Neutron Scattering at the LLB, France (French Neutron Scattering Center)</li> <li>• Leader of 1 accepted proposal at Synchrotron Soleil, France (French National Synchrotron Facility) in 2012</li> </ul>
Graduate teaching as lecturer or training coordinator	<ul style="list-style-type: none"> <li>• 2011: Teaching practicals at CEA Saclay in Small Angle Neutron Scattering for the HERCULES formation of the University Joseph Fourier (France).</li> <li>• 2010 and 2011: Teaching practicals at the Food Science Engineering School ONIRIS in Nantes (France) : practicals in Physico-Chemistry of Colloids</li> </ul>



Awards and prizes if any	<u>2011</u> : Best poster Award at the conference “Journées de la Diffusion Neutronique” <u>2012</u> : DSM Science and Technology Award Prize
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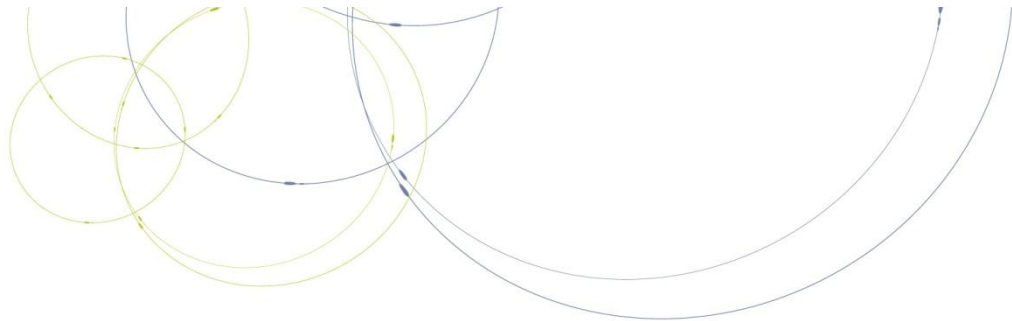
### Collaboration and Networking

Participation in collaborative projects funded by competitive programmes	<ul style="list-style-type: none"> <li>• Participation in the National Network LABEX SERENADE: “Safe Ecodesign and sustainable Research and Education applied to NANomaterial Development”</li> <li>• April 2012: Submission of a project ECOS-Sud between INRA Nantes and the CIDCA laboratory in Argentina: “Characterization and valorization of fatty acids from amaranth seeds”</li> <li>• April 2012: Submission of a Regional project entitled “Matières”: “Innovative Materials for the Environment and Exploitation of Biological Ressources”</li> <li>• January 2013: Submission of a National ANR project entitled “VALOTOM”: “Valorization of the co-products of the Tomato Industry in the fields of packaging and cosmetic”</li> </ul>
Partnerships or experience with industry	Collaborations with L’Oréal, Nestlé and Pepsi Cola.
University or post-graduate programme leader	Programme leader on Responsive assemblies, interfaces and foams at INRA Nantes
Graduate teaching as lecturer or training coordinator	<ul style="list-style-type: none"> <li>• 2011: Teaching practicals at CEA Saclay in Small Angle Neutron Scattering for the HERCULES formation of the University Joseph Fourier (France).</li> <li>• 2010 and 2011: Teaching practicals at the Food Science Engineering School ONIRIS in Nantes (France) : practicals in Physico-Chemistry of Colloids</li> </ul>
Membership of professional bodies and committees	Membership of the French Foams Society Membership of the French Neutron Society

<b>Other experience and skills relevant to the application</b>	In charge of Small Angle Scattering Techniques for the Interfaces and Dispersed System (ISD) team at INRA Nantes
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### Scientific References

Full name	<i>MONIQUE AXELOS</i>
Position	<i>Head of the CEPIA Department of INRA</i>
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Email address	<i>Monique.axelos@nantes.inra.fr</i>
Full name	<i>ARNAUD SAINT JALMES</i>
Position	<i>Head of the "soft matter" department of the Institut de Physique de Rennes</i>



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Full name	<i>FREDERIC NALLET</i>
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