

Identité / Personal details					
Nom et prénom / Name and first name:		BERRET JEAN-FRANÇOIS			
Identifiant chercheur / Researcher ID :		C-3358-2013			
Page web personnelle / Personal Webpage :		<a href="http://www.msc.univ-paris-diderot.fr/~berret/">http://www.msc.univ-paris-diderot.fr/~berret/</a>			
Position actuelle / Current position <sup>1</sup>					
Organisme(s) public(s) français / French public organisation(s)					
Code RNSR / RNSR code	Organisme / Organisation	Laboratoire / Laboratory	Code unite / Unit code	Code postal / Postcode	Ville / Town
200112455N	Université Paris-Diderot Paris 7	Matière et Systèmes Complexes	UMR 7057	75205	Paris
Organisme(s) privé(s) français / French private organisation(s)					
Siret	Etablissement / Organisation	Direction service / Department unit	Code postal / Postal code	Ville /Town	
Organisme(s) étranger(s) / Foreign organisation					
Etablissement / organisation		Laboratoire / Laboratory	Ville / Town	Pays / Country	
Titre / Fonction					
Director of research, DR1 CNRS					
Autres activités / Other activities					
<i>Activités de direction, encadrement, enseignement, activité d'évaluation dans des commissions ou en tant qu'expert scientifique / Executive board, supervision of student, teaching, memberships in panels or individual scientific reviewing activities</i>					
<ul style="list-style-type: none"> <li>- Supervision of student of postdocs, PhDs and master students</li> <li>- Member of the selection committee from the Swedish Research Council: NT-5: Analytisk, fysikalisk och teoretisk kemi 2017, Stockholm, Sweden</li> <li>- Memberships in panels or individual scientific reviewing activities (CNRS 2016, ANR 2015)</li> <li>- Member of the organization committee of the EMRS conference, May 27-31 2019, Nice</li> <li>- Member of editorial committee/advisory panel of Nanotechnology (IF3.446, <a href="http://iopscience.iop.org/journal/0957-4484/page/Advisory%20Panel">http://iopscience.iop.org/journal/0957-4484/page/Advisory%20Panel</a>) and Coatings (IF 2.35, <a href="http://www.mdpi.com/journal/coatings/editors">http://www.mdpi.com/journal/coatings/editors</a>)</li> <li>- Referee of 30-40 papers per year, including those from Coatings and Nanotechnology</li> </ul>					
Positions antérieures / Previous positions					
Début / Start date	Fin / End date	Ville / Town	Etablissement / Organisation	Fonction / Function	
1983	1988	Montpellier	Université de Montpellier 2	CNRS researcher, attaché de recherche	
1988	1990	Mainz (Germany)	University of Mainz, Germany	Postdoc	
1990	2000	Montpellier	Université de Montpellier 2	CNRS researcher, chargé de recherche then research director (DR2) in 1999	
2000	2004	Cranbury, NJ, USA	RHODIA-CNRS joint laboratory, UMR166 Complex Fluids Laboratory	Research director (DR2)	
2005	2019	Paris	Université Paris-Diderot, Paris 7	Research director (DR2) then Research director (DR1) in 2011	
Formation supérieure / Education <sup>2</sup>					

<sup>1</sup> Compléter la ou les sections appropriées / Fill the appropriate field(s)

<sup>2</sup> Les jeunes chercheurs ayant soutenu leur thèse de doctorat depuis moins de 10 ans doivent préciser le nom de leur directeur de thèse. Les non-titulaires d'un PhD indiquent la date de leur dernier diplôme académique. / Young researchers who obtain their PhD

**1979 – 1983** École Normale Supérieure in Physics, Paris  
**1981** DEA *Physique Atomique, Moléculaire et Statistique* (Brossel/Kastler) at École Normale, Paris  
**1983** Thèse de 3ème cycle, Montpellier (France) : "*Propriétés Acoustiques Liées au Désordre Orientationnel des Défauts Paraélectriques*"  
**1988** Ph.D. Thesis in Solid State Physics, Montpellier: "*Excitations Localisées et Désordre d'Orientation dans les Cristaux* »

## Productions scientifiques / Scientific productions

Projets de recherche, prix, distinctions, bourses, etc. / Grants, prizes, awards, fellowships, etc.

### BIBLIOMETRIC DATA

Number of entries on Web of Knowledge	166
Sum of times Cited	6789
Hirsch factor	50
Citations on Google Scholar	8500
Hirsch factor on Scholar	57

### CURRENT FUNDING

#### Agence Nationale pour la Recherche (ANR)

ANR ICONS project, coordinator Prof. Isabelle Margail, Université Paris-Descartes  
*Innovative polymer coated cerium oxide nanoparticles for stroke treatment, 2016 – 2019*

#### Agence Nationale pour la Recherche (ANR)

ANR AlveolusMimics project, coordinator Yong Chen, Pôle Microfluidique à l'ENS Paris  
*Alveolus mimics using human pluripotent stem cells and mechanistic understanding of nanoparticles translocation through respiratory system, 2018 – 2021*

#### Solvay – Novacare, Singapour

Solvay-Singapour Application lab  
 Projet EasySoft coordinated by Jean-François Berret, Université Paris-Diderot, Paris 7  
*New conditioner formulations for fabrics, 2015 - 2019*

#### Ministério da Educação - MEC Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - CAPES (Brazil)

Funding project for a 12 month postdoc at Université Paris-Diderot, Paris 7  
*Temperature responsive Janus colloids, 2018 - 2019*

### 5 publications majeures / 5 most relevant publications

- Berret, J.-F.; Schonbeck, N.; Gazeau, F.; El Kharrat, D.; Sandre, O.; Vacher, A.; Airiau, M. Controlled clustering of superparamagnetic nanoparticles using block copolymers: Design of new contrast agents for magnetic resonance imaging. *J. Am. Chem. Soc.* **2006**, *128* (5), 1755-1761; <https://doi.org/10.1021/ja0562999>, **325 citations**
- Berret, J.-F.; Roux, D. C.; Porte, G. Isotropic-to-Nematic Transition in Wormlike Micelles under Shear. *Journal de Physique II (France)* **1994**, *4*, 1261 – 1279; <https://doi.org/10.1051/jp2:1994198>, **254 citations**
- Berret, J.-F. Rheology of wormlike micelles: Equilibrium properties and shear banding transitions. *Molecular Gels: Materials with Self-Assembled Fibrillar Networks* **2006**, 667-+; [https://doi.org/10.1007/1-4020-3689-2\\_20](https://doi.org/10.1007/1-4020-3689-2_20), **226 citations**
- Safi, M.; Courtois, J.; Seigneuret, M.; Conjeaud, H.; Berret, J.-F. The effects of aggregation and protein corona on the cellular internalization of iron oxide nanoparticles. *Biomaterials* **2011**, *32* (35), 9353-9363; <https://doi.org/10.1016/j.biomaterials.2011.08.048>, **154 citations**
- Berret, J.-F. Local viscoelasticity of living cells measured by rotational magnetic spectroscopy. *Nat. Commun.* **2016**, *7*, 10134; <https://doi.org/10.1038/ncomms10134>, **50 citations**

### Valorisation

*Brevet, licence, création d'entreprise, développement de logiciel, base de données, prototype, etc. / patent, creation of a start-up, software development, database, prototype, etc.*

Co-author of 7 patents