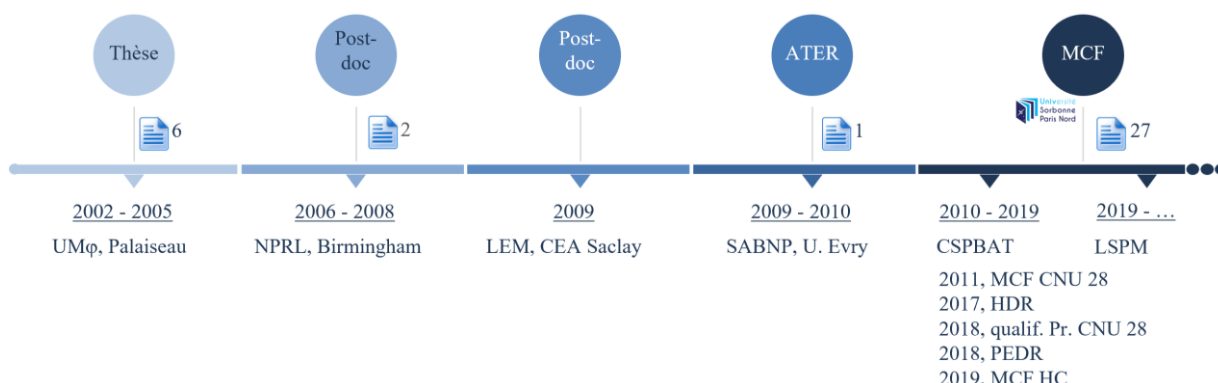


**CURRICULUM VITAE**  
**NATHALIE**  
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 Associate Professor



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**RESEARCH TOPIC**

NANOPARTICLES	SENSORS	Microscopy	Physical properties of nanoparticles
<ul style="list-style-type: none"> <li>Cluster-Source</li> <li>Atomic deposition</li> <li>Innovative lithographic solution</li> </ul>	<ul style="list-style-type: none"> <li>Surface functionalization</li> <li>SERS sensors (Surface Enhanced Raman Scattering)</li> </ul>	<ul style="list-style-type: none"> <li>Near field microscopy</li> <li>Electronic microscopy</li> </ul>	<ul style="list-style-type: none"> <li>Electronic transport</li> <li>Plasmonics</li> <li>Surface Enhanced Raman Scattering (SERS)</li> </ul>

**SUPERVISION**

**1** POST-DOC    **2** Ph.D.    **10** M2    **3** M1    **7** L3    **3** DUT

**ADMINISTRATION**

**Edition**

- **Book editor** "*Handbook on Enhanced Spectroscopies*" Pan Stanford 2015

**Responsibilities**

- AFNOR nanotechnologies member (French association for normalization)
- Council board of the association for teaching physics in higher education
- Organizing committee
  - > Clean room facility of Sorbonne Paris Nord University
  - > Interdisciplinary sciences institute of Sorbonne Paris Nord University
- IUT de Bobigny
  - > **Director of studies** of the department of technical engineering in biology
  - > **President** of the council for pedagogy and research
- C'Nano IdF : **Member** of the board committee. **Delegate for outreach actions and link between science and society**

- Société Française de Physique: member of the "woman and physics" committee,

## Organization

- Seine Saint Denis county's Institutes of Technology scientific days ~**100 attendants**
- Outreach event "Recrues des Sciences" depuis 2015, 'U. Paris 13 : ~**350 visitors**
- Creation and organization of "teaching coffees"
- Organizing committee of "Teaching Physics in Higher Education" ~**100 attendants**

## PRICES AND REWARDS

- Member of the European Crucible 2021 panel
- Invited researchers at the Laboratoire de Physique des Solides, Université Paris Saclay (2018-2019)
- Prime d'Encadrement Doctoral et de Recherche 2018
- Financement CIFRE en thèse

## FUNDING

- |   |                    |
|---|--------------------|
| • <b>2020 BQR</b><br>USPN   | <b>Coordinator</b> |
| • <b>2019 The Nano Factory</b><br>RENATECH / C'Nano                         | <b>Coordinator</b> |
| • <b>2018 Project PECRE</b><br>SRPe, Scotland-France                        | <b>Coordinator</b> |
| • <b>2018 Project PEER</b><br>SRPe, Scotland-France                         | <b>Coordinator</b> |
| • <b>2017 Project RAMSET</b><br>CNRS AMI-Xlife                              | <b>Coordinator</b> |
| • <b>2015 Project SYRENSS</b><br>C'Nano IdF                                 | <b>Coordinator</b> |
| • <b>2014 Project SNBS</b><br>Institut de l'Univ Paris 13                   | <b>Coordinator</b> |
| • <b>2018 Mesure Scientifique</b><br>Unisciel                               | <b>Participant</b> |
| • <b>2011 Project Remantas</b><br>ANR                                       | <b>Participant</b> |
| • <b>2010 Project Nanoantenna</b><br>European 7 <sup>th</sup> PRCD (Health) | <b>Participant</b> |
| • <b>2007 Project Clusterbeam</b><br>Ministère de l'industrie (UK)          | <b>Participant</b> |
| • <b>2005 Project CAPA NOVA</b>   | <b>Participant</b> |

## PUBLICATIONS

- 24 Publications in international journals
- 2 Proceedings
- 1 Book editor
- 3 Book Chapter
- 1 Patent
- 3 Science outreach devices
- 10 Articles in general public journals
- Talks (15 seminars, 4 invited lectures, 14 invited talk in conferences, 61 talk in conferences)

