

Dr Fabien VIALLA

Assistant professor in Université Claude Bernard Lyon 1, FRANCE

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Career

since 2017 Assistant professor
iLM – Institut Lumière Matière – FemtoNanoOptics group
Université Claude Bernard Lyon 1 – CNRS, Villeurbanne (France)
Experimental optical study – static absorption and ultrafast dynamics – of single nanostructures under ambient and extreme high pressure conditions.

Co-Supervision of 1 PhD student and supervision of 1 postdoc ANR

Principal Investigator **2018** - *Optics on single nanostructure under extreme conditions: from 0D to 2D*
financed by UdL and IDEXLYON, UCBL1 and FRAMA

Local Coordinator **2020** - **ANR-PRC SOFTNANOFLU** (*Electrokinetic transport in SOFT NANOMETRIC liquid FILMS with conductive and actuated surfaces*)

Teaching Science department of Université Claude Bernard Lyon 1
UCBL1 *Basic physics for biology (L1), Thermodynamics and heat transfers (L1)*
ENS Lyon *Atoms, molecules and bonds (L3), Teaching formation (Agrégation, M2).*

2014 – 2017 Postdoctoral researcher
ICFO – The Institute of Photonic Sciences, Barcelona (Spain)
ICFONEST+ fellowship (EU Marie Skłodowska-Curie actions)
Nano-Optoelectronics group led by Frank Koppens
Fabrication and optoelectronic study of 2D material heterostructure photodetectors.

2010 – 2014 PhD student at Université Pierre et Marie Curie
LPA – Laboratoire Pierre Aigrain, Paris (France)
PhD award DIM Nano-K 2015
Coherent and non-linear optics group – supervised by Christophe Voisin
Optical spectroscopy of the interaction between carbon nanotubes and their physical and chemical environment.

Publications & Communications

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- **23 publications** in international peer-reviewed journals (including 2 *Nature Nanotechnology*, 2 *Nature Communications*, 1 *Nano Letters*, 4 *Physical Review Letters* and 1 invited *Nanomaterials* review)
- Total **>1000 citations**, **h-index = 13** (source *Scopus*)
- **12 talks** in international conferences and workshops (including **5 invited**)
- 8 poster presentations (including 2 best poster awards)
- 6 seminars in institute upon invitation
- Organization and animation of a 16x1h **practical workshop at a thematic summerschool**

Scientific & Administrative commitments

2022 – Member of the **Evaluation Comity ANR CE24**

2021-2025 – Member of the **board CNRS GDR UP (Ultrafast Phenomena)**

Scientific expert for ERC, ANR, CNRS and international peer-reviewed journals (editors such as *Nature*, *ACS*, *Wiley*, *Elsevier*, *MDPI*...)

Workshops & seminars for the general public at *Fête de la Science*, *Pint of Science*, *Conférence embarquée*...