



University of Perpignan Via Domitia



<https://www.univ-perp.fr/en/research/areas-of-research-and-laboratories>



Research at the UPVD is naturally focused on the surrounding region. "Naturally", because the region itself constitutes a multidisciplinary area of research that spans a number of different disciplines. Our laboratories provide immediate access to an environment that is ideal for multidisciplinary research, but still suitable for changes in scale.

In addition this remarkable region itself, a number of iconic sites dotted around it provide solid research material for our laboratories.

The key areas of research in exact and experimental sciences include animal and plant biology. And these are often applied to the challenges with which the environment is faced or to people's food safety. Geology and geography are applied to the impact that humankind is having on its environment and to development. Physics and studies into energy usage are applied to renewable energies. And these various disciplines would not be able to tackle such subjects without the help of fundamental research in mathematics, physics and genomics – as well as human and social sciences and law.

This is the background against which the UPVD has defined its 5 strategic areas of research:

- Renewable energies, associated processes and materials
- How living organisms function and ecology
- Dynamics of the environment and of anthroposystems
- Theory, complex systems, modelling
- Mediterranean: culture, regions, heritage and markets

More on research at UPVD : <https://www.youtube.com/watch?v=nY2DYLowUpk>

16 Research units accredited by the French ministry:
5 UMR, 1USR, 1UPR, 4 EA, 2 EA in co-supervision,
3 teams with partners laboratories

1 Development aid research federation

450 Professors, researchers, associate and assistant professors on site

90 Engineers, technicians and laboratory staff

350 PhD students

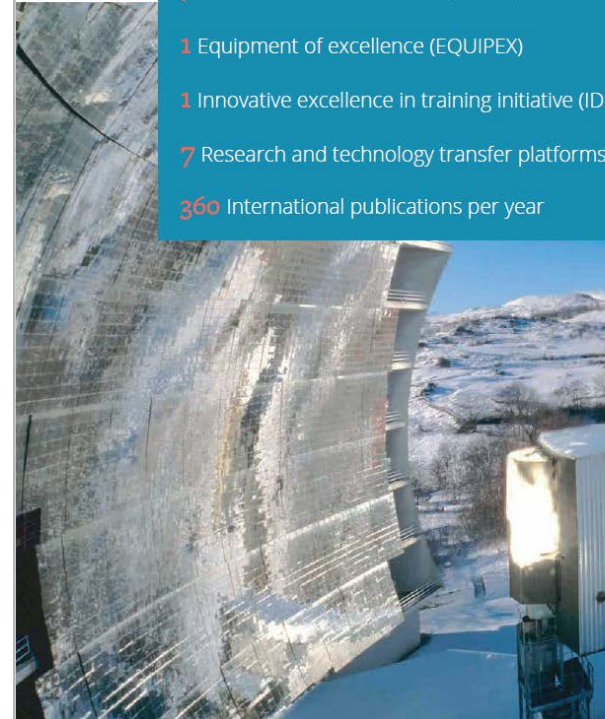
7 Laboratories of excellence (LABEX)

1 Equipment of excellence (EQUIPEX)

1 Innovative excellence in training Initiative (IDEFI)

7 Research and technology transfer platforms

360 International publications per year





Gad Fuks

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Publications:

<https://www.researchgate.net/profile/Gad-Fuks>

<https://scholar.google.com/citations?hl=en&user=c1DscSoAAAAJ>

Working on designing new functional monomers derived from amino acids. These monomers will serve as building blocks for molecularly imprinted polymers that will be implemented in chemical sensors for water analysis.

Key words : Nanomaterials, Polymerization, Nanoparticle Synthesis , Polymeric Materials, Polymer Science, Polymer Synthesis , Biopolymers, Nanofibers, Electron Microscopy



Nicolas Inguibert

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Key words : Peptide Chemistry, Organic Synthesis, Synthetic Organic Chemistry, Medicinal and Pharmaceutical Chemistry, LC-MS/MS, Spectrometry, Synthesis, Organic Chemistry, Peptides, Blood Pressure