

Environmental Physical-Chemistry Group

Responsible: Dr. Serge STOLL

Our team



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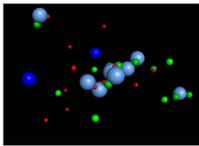
Leo Richard
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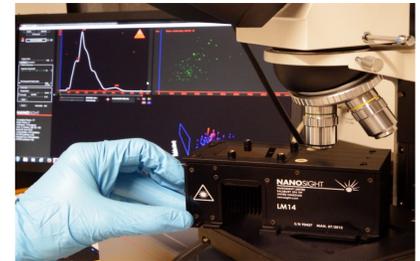
Mattia Maceroni
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Our vision and aims

- Understand the fate and transport of emerging contaminants in aquatic systems, such as manufactured nanoparticles and microplastics, introduced by human activities
- Improve water treatment processes regarding of these emerging contaminants. With industrialization, their fluxes and accumulation in aquatic systems have continuously increased over the past decades.



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Our research domains, Projects and Awards

- Behavior, transformation and interactions of manufactured nanoparticles in the environment
- Fate of microplastics in the aquatic systems, their detection, characterization and impact on water treatment
- Improvement of water treatment processes with a focus on the role of coagulation
- Formation of complexes between (bio)macromolecules and manufactured nanoparticles and behavior in biological fluids
- Computer modeling of nanoparticle Heteroagglomeration with natural organic matter and suspended particles



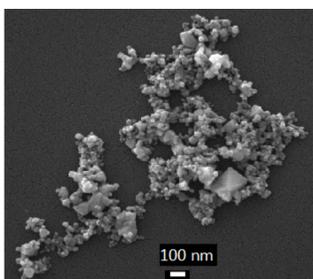
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FP7 Project



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Workshop Organization

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