



Prof. Yohann Corvis

Engineer Doctor

Physical chemistry, Material sciences and Process

Born on February 4th, 1980 in Pointe-à-Pitre (France)
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Expert for the French National Agency for Medicine and Health Product Safety (ANSM)

Board member of the French Society for Nanomedicine (SFNano)

Board member of Society of the teachers and researchers of physical chemistry in Pharmacy (AECCPCM)

Research interest

State of matter of raw materials and final products for pharmaceutical applications: from pre-formulation to *in vivo* evaluation.

2021 → ... **Full Professor in nanomedicines and physical chemistry of drugs**
Université Paris Cité, Health Faculty, School of Pharmacy, France
Chemical and biological techniques for health Group
Nanovectors for targeted therapy and molecular imaging Team

2021 → 2025 **Doctoral and research supervision bonus (PEDR)**

2008 → 2021 **Associate Professor in physical chemistry of drugs**

2006 → 2008 **Post-doctoral position**
IFP new energy, Rueil-Malmaison, France

2005 → 2006 **Post-doctoral position**
Warsaw University / Metz University / Total Pau

2002 → 2005 **CNRS doctoral position**
Lorraine Université, Faculty of Pharmacy, UMR 7565 CNRS
"Structure and reactivity of complex molecular systems" team
Biomade Technology Foundation, Groningen, The Netherlands

2008 → ... *School of Pharmacy*
Physical chemistry for drug development: 1st to 5th year degrees
PharmaSciences network of excellence / Engineer schools
Master degrees: Nanomed Erasmus Mundus program (member of the consortium since 2023),
Drugs for health, and Biomedical

Research experiences

2002 → 2008 Teaching in physical chemistry, chemistry and physics (engineer school, university)

2013 *Université Paris Cité*
Accreditation to supervise research (HDR, hab.)

2000 → 2005 *Lorraine University*
PhD in Molecular Physical Chemistry
Engineer in Physical Chemistry, Material Sciences and Process
Diploma of advanced studies : Diplôme de Hautes Études de Recherche Industrielle
M.S. in Physical Chemistry, Colloid option
B.S. in Physical Chemistry, Crystallography option

Teaching experiences

Diploma

2005 → ... **56 peer-review publications** (mean IF = 4.3 | h-index = 22 | i₁₀ = 34)
2 journal covers, 3 technical peer-reviewed publications,
3 patents, 1 book chapter, 1 book review, 1 article for general audience dissemination
70 peer-reviews, 4 guest-editing

Publications

Conferences

2002 → ... International symposiums: 34 oral communications; 47 poster presentations
National symposiums: 14 oral communications; 28 poster presentations
Invited talks: 33 oral communications / 8 congress organizations (2010, 2016, 2022-2024)

Student supervision

2004 → ... **4 PhD and 69 internship students** from engineer school or university

*Jury member of
PhD defense*

2013 → ... **Reviewer for 10 PhD defenses:**
Yu Wu, February 2024, Université Paris-Saclay
Guy Khalaf, Decembre 2023, Université Paris-Saclay
Marion Sicot, Novembre 2023, Université d'Angers
Maylis Garnier, September 2023, Sorbonne Université
Milad Baroud, December 2021, Université d'Angers
Miora Rakatoarisoa, November 2021, Université Paris Saclay
Rupanjali Prasad, November 2020, Indian Institute of Technology, Gandhinagar (India)
Wenjing Li, March 2016, CentraleSupélec
Bertrand Clair, November 2014, CentraleSupélec
Seyed Sajjadi, November 2013, Université de Lorraine

Examiner for 1 PhD defense:

Alena Libánská, Septembre 2023, UCT Prague / Université Paris Cité

2023 → 2024 **Orchid PHC France/Taiwan bilateral program:** Nanocrystallization for triple negative breast cancer treatments

2023 → 2024 **Protea PHC France/South Africa bilateral program:** Nanotheranostics for triple negative breast cancer treatments

2022 → 2023 **CNRS International Emerging Actions:** degradable polymers for control release of nanocrystals (PI of the project)

2022 → 2023 **MITI CNRS:** Nanocrystals for photodynamic and photothermic therapy

2021 → 2024 **STRIC-ON ANR project:** Oxide cerium nanoparticles for post-stroke thrombolysis

2013 → 2017 **AlyPOTEC ANR project:** Counterfeit drugs detection

2010 → 2013 **NPLIN-4-Drug ANR project:** Crystal nucleation induced by polarized light

2009 "Bonus Qualité Recherche" (BQR) from the Faculty of Pharmacy of Paris Descartes

2003 Industry-University prize from the Lorraine University

Projects and prizes

Research stays

2002 → ... **27 months:** Barcelona, Berlin, Costa-Rica, Groningen, Hamburg, Helsinki, Prague, Pretoria, Rostock, Taipei, Warsaw

List of publications

<https://utcbs.u-paris.fr/en/vector-team/yohann-corvis-publications/>