**WEBSITE TEMPLATE**

**1. RESEARCH THEME/s; PRP; GI:**

Materials and Advanced Technologies for Healthcare

Pharmaceutical Materials Science and Formulation

Drug Delivery and Biomaterials

**2. PI DETAILS (Name, Pure Link, Twitter Handle & Photo)**

Prof Dimitrios Lamprou

Pure Link: <https://pure.qub.ac.uk/en/persons/dimitrios-lamprou>

Lamprou Lab web site: <https://www.lamproulab.com/>

3D Printing & Bioprinting Lab: <https://www.3dprintingbioprintinglab.com/>

Lamprou Lab FB: <http://www.facebook.com/LamprouLab/>

Lamprou Lab Twitter: <https://twitter.com/LamprouLab>



**3. Research focus (80 words max)**The Lamprou Research Lab, is focusing in Emerging Technologies (e.g., 3D Printing & Bioprinting, Electrospinning, Microfluidics & Lab-on-a-chip, and BioMEMS) for Drug Delivery Systems and Medical Devices & Implants. Our research lab offers an excellent environment for research with several laboratories that are fitted with state-of-the-art equipment. Our recent research focuses on three major areas using Emerging Technologies: nanoparticles for imaging & therapeutic applications, lab-on-a-chip & microfluidic devices, and implants for therapeutic delivery & tissue engineering.

**4. Research opportunities** 40 words max

* 3D Printed drug delivery systems & medical devices.
* Bioprinting applications in drug delivery systems and tissue engineering.
* 4D printing in cancer management.
* Manufacturing of nanofibers for drug delivery and tissue engineering applications.
* Nanomedicine development using microfluidics.

**5. Research students**

Name: Miss Aikaterini Dedeloudi

PhD title: 3D Printed Implants for Long-Acting Drug Delivery for Bone Cancer  
Years of Study: 2021-2025  
Country: Greece

Name: Miss Eman Jaradat

Ph.D. Title: Microfluidic Platforms for the Production of Nanomedicines for Cancer Therapy

Years of Study: 2021-2024

Country: Jordan

Name: Mr Edward Weaver

Ph.D. Title: Microfluidic Synthesis of Nanomedicines for the Delivery of Biologics Years of Study: 2020-2023

Country: UK

Name: Miss Francesca Corduas  
PhD title: Next Generation Drug-Eluting Meshes for Tissue Engineering Applications   
Years of Study: 2019-2022  
Country: Italy

Name: Miss Essyrose Mathew  
PhD title: Novel Delivery Systems for Transdermal and Intradermal Drug Delivery  
Years of Study: 2019-2022  
Country: UK

**6. Alumni - where are they now? (3 Max)**

Name: Dr Carlota Mendez Torrecillas

PhD Title: Process and Product Understanding of Rapid and Continuous Wet Granulation

Years of Study: 2014-2018

Country: Spain

Current Position: Project Scientist, CMAC Future Manufacturing Research Hub

Name: Dr Laura Martinez Marcos  
PhD title: Development and control of pharmaceutical solids using extrusion and granulation  
Years of Study: 2012-2016  
Country: Spain  
Current position: Janssen

**7. Public Outreach/ other achievements** (media links; DNA innovation links etc; other press)

[Researchers develop 3D treatment that could revolutionise diabetes treatment](https://www.qub.ac.uk/News/Allnews/2022/Researchersdevelop3Dtreatmentthatcouldrevolutionisediabetestreatment.html)

[3D Printing Sees COVID-19-Induced Boost for Formulations](https://www.genengnews.com/topics/bioprocessing/3d-printing-sees-covid-19-induced-boost-for-formulations/)

[Microfluidics offers easier and faster manufacturing of nanomedicines](https://www.cambridgenetwork.co.uk/news/microfluidics-offers-easier-and-faster-manufacturing-nanomedicines)

[Amphibian foam used for drug delivery for first time](https://pure.qub.ac.uk/en/clippings/amphibian-foam-used-for-drug-delivery-for-first-time)

[Queen’s University Belfast provides NHS with protective facemasks](https://pure.qub.ac.uk/en/clippings/queens-university-belfast-provides-nhs-with-protective-facemasks)

[Research could signal safer generation of mesh implants](https://pure.qub.ac.uk/en/clippings/research-could-signal-safer-generation-of-mesh-implants)

[Nanomedicines' impact on patients under the microscope](https://pure.qub.ac.uk/en/clippings/nanomedicines-impact-on-patients-under-the-microscope)

**8. Key words**

3D Printing, 4D Printing, Bioprinting, Drug Delivery, Electrospinning, Lipid Nanoparticles, Medical Devices, Microfluidics, Nanomedicines, Vaccines