

PERSONAL INFORMATION

Family name, First name: **Anyfantakis, Emmanouil (Manos)**

Date of birth: **February 6, 1984**

Nationality: **Greek**

Languages: **Greek (mother tongue), English (fluent), French (basic), German (basic)**

Researcher identifier: **Researcher ID: O-7784-2016; ORCID: 0000-0002-4572-5641**

Google Scholar: scholar.google.lu/citations?user=hn2JywUAAAAJ&hl=en&oi=ao

Publons: <https://publons.com/researcher/2205850/manos-anyfantakis/>

Personal website: www.anyfas.com

E-mail: anyfas.com@gmail.com



EDUCATION AND RESEARCH EXPERIENCE

06.2019 – present: independent Principal Investigator ('Core Junior Scheme', Luxembourg National research Fund), Physics & Materials Science Dept., **University of Luxembourg**, Luxembourg city, **Luxembourg**

Projects: Liquid crystal self-assembly of bio-derived nanomaterials: fundamental investigation and development of responsive photonic materials; Self-assembly of biodegradable photonic polymer films by controlled interfacial polymerization; Colloidal organization at interfaces reconfigured by light-driven thermal Marangoni flows ('Core Junior' project); local mentor: **Prof. J. P. F. Lagerwall**; external mentor: **Prof. J. Dhont** (Forschungszentrum Jülich, Germany)

07.2017 – 05.2019: Postdoctoral Research Associate, Physics & Materials Science Research Unit, **University of Luxembourg**, Luxembourg city, **Luxembourg**

Project: Formation of photonic films by drying aqueous suspensions of cellulose nanocrystals; advisor: Prof. J.P.F. Lagerwall

03.2013 – 03.2017: Postdoctoral Research Associate, Dept. of Chemistry, **École Normale Supérieure (ENS)**, Paris, **France**

► **04.2014 – 03.2016: independent Marie Curie Fellow** (Intra-European Fellowship for Career Development)

Projects: Light-driven microfluidics; Nanoparticle deposition from evaporating drops; Digital Optofluidics for the Remote Actuation of Liquids ('DIOPTRA', MC-IEF project); Particle patterning at interfaces; advisor: Prof. D. Baigl

03.2011 – 02.2013: Postdoctoral Research Associate, Group of Physics at Interfaces, **MPIP, Germany**

Project: Dynamic wetting of surfactant solutions; advisors: Dr. G. K. Auernhammer, Prof. H.-J. Butt

01.2010 – 04.2010: Postdoctoral Research Associate, Group of Physics at Interfaces, **MPIP, Germany**

Project: Interactions of visible light with complex fluids; advisors: Prof. G. Fytas, Prof. H.-J. Butt

02.2009 – 01.2010: Visiting Scientist, Group of Physics at Interfaces, **Max Planck Institute for Polymer Research (MPIP)**, Mainz, **Germany**; supervisor: Prof. H.-J. Butt

11.2007 – 01.2010: Ph. D., Chemistry, Dept. of Chemistry, **Univ. of Crete & FORTH, Greece**

Thesis: Writing mesoscopic structures in polymer solutions using laser beams: conditions and mechanism of the phenomenon; supervisors: Dr. B. Loppinet, Prof. G. Fytas

11.2005 – 11.2007: M. Sc., Applied Molecular Spectroscopy, Dept. of Chemistry, **Univ. of Crete & FORTH, Greece**

Thesis: Study of the thermodynamics and phase behaviour of suspensions of lamellar organosilica nanoparticles; supervisors: Prof. G. Fytas, Prof. D. Vlassopoulos

06.2004 – 10.2004: Practical Experimental Training at the Institute of Electronic Structure & Laser, **Foundation for Research & Technology of Hellas (FORTH), Greece**

Project: Characterization of anisotropic organosilica nanoparticles by means of static and dynamic light scattering; supervisors: Dr. B. Loppinet, Prof. G. Fytas

10.2001 – 11.2005: B. Sc., Materials Science & Technology, Dept. of Materials Science & Technology, **Univ. of Crete, Greece**, ranked 2nd

CAREER BREAK

10.05.2010 – 10.02.2011: Career break due to 9-month *mandatory military service* in Greece

RESEARCH INTERESTS

- Structure, dynamics and phase behaviour of soft matter (emphasis on polymer solutions, colloidal suspensions, surfactant solutions and their mixtures) in the bulk and at interfaces
- Special interest in eco-friendly and sustainable soft materials (*e.g.*, bioderived polymers and colloids, biodegradable synthetic polymers)
- Interactions of soft matter with external fields (optical, magnetic, flow)
- Dynamic Self-Assembly of soft matter systems driven by external stimuli
- Tailored and/or reconfigurable organization of soft materials in the bulk and at fluid/solid and fluid/fluid interfaces
- Task-oriented surface patterning/functionalization (for liquid transport and patterning applications)
- Exploitation of wetting phenomena for complex fluid manipulation
- Microfluidics, Optofluidics, Magnetofluidics; coupling of hydrodynamics with light and magnetic fields
- Coffee-Ring Effect and evaporative patterning in soft matter systems
- Adsorption and phase behaviour of colloidal particles at flat and curved fluid interfaces
- Cholesteric liquid crystal self-assembly of cellulose-based materials in planar and spherical geometries; development of structural colour, tuning of the photonic bandgap
- Production of photonic thin polymer films by spatially and temporally controlled surface polymerization

TRACK RECORD

- **25 publications in total** (24 peer-reviewed papers, 1 conference proceedings paper); the full publication list, including the ten best papers, may be found at the end of the CV
- **17 publications without my Ph. D. supervisors** (Dr. B. Loppinet and Prof. G. Fytas)
- **15 publications as first author** and **11 publications as corresponding author**

- **7 publications** in **high impact (IF > 12) journals** (e.g., *Nano Lett*, *Angew. Chem. Int. Ed.*, *J. Am. Chem. Soc.*)
- **3 publications** were highlighted at the **inside journal cover** of *Angew. Chem. Int. Ed.*; **2 publications** were designated as '**Hot**' or '**Very Important**' papers in the same journal
- **2 papers** were chosen as **research highlights** in *Nature* and *Nat. Nanotechnol.*
- **1 paper** was chosen as '**Hot Topic**' by the journal *Adv. Mater. Interfaces*

PRESENTATIONS IN CONFERENCES AND ACADEMIC INSTITUTIONS

- Participation in 21 international conferences; **13 poster** and **8 oral** presentations
- **Invited conference talk**, *Durham Centre for Soft Matter & SOFI CDT Symposium 'Particles at Interfaces'*; 12.2014, United Kingdom; invitation from **Prof. C. D. Bain**
- **Invited conference talk**, *8th International Symposium on Liquid Crystal Photonics*; 03.2019, China; invitation from **Prof. G. Zhou**
- **Invited seminars**: **Univ. of Bayreuth**, Germany (host: *Prof. W. Köhler*); Forschungszentrum Jülich, Germany (host: *Dr. E. Stiakakis*); **Institut Charles Sadron**, France (host: *Dr. F. Thalmann*); **Institut Pierre-Gilles de Gennes pour la Microfluidique**, France (host: *Dr. A. Yamada*); **Univ. of Luxembourg**, Luxembourg (host: *Prof. J. Lagerwall*)

TEACHING AND SUPERVISION EXPERIENCE

- 02.2019 – 06.2019**: Teaching (both theory and exercises) **Physical Chemistry of Colloids (Master course)**, Physics & Materials Science Dept., **Univ. of Luxembourg**, Luxembourg
- 02.2018 – 06.2018**: Assistance in teaching **Physical Chemistry of Colloids (Master course)**, Physics & Materials Science Dept., **Univ. of Luxembourg**, Luxembourg
- 07.2017 – present**: co-supervision of a **Ph. D. candidate** from **Univ. of Luxembourg**, Luxembourg
- 04.2018 – 01.2019**: Supervision of a **Master student** from **Univ. of Luxembourg**, Luxembourg
- 05.2018 – 07.2018**: Supervision of an Internship student from **Indian Institute of Technology Guwahati**, India
- 11.2017 – 05.2018**: Supervision of a **Master student** from **Ecole Centrale de Lyon**, France
- 11.2015 – 03.2017**: Supervision of a **Ph. D. candidate** from **Univ. Pierre & Marie Curie**, France
- 04.2016 – 09.2016**: Supervision of a **Postdoctoral Researcher** from **Kyoto Univ.**, Japan
- 09.2015 – 03.2016**: Supervision of a visiting **Ph. D. candidate** from **Tokyo Institute of Technology**, Japan
- 01.2015 – 05.2015**: Supervision of a **Master (M2) student** from **Univ. Pierre & Marie Curie**, France
- 10.2014 – 11.2014**: Supervision of a visiting **Ph. D. candidate** from **Univ. of Cambridge**, United Kingdom
- 04.2014 – 08.2014**: Supervision of a **Master (M1) student** from **Univ. Pierre & Marie Curie**, France
- 02.2013, 11.2013**: Supervision of a visiting **Ph. D. candidate** from **Univ. of Crete**, Greece
- 10.2009 – 02.2010**: Teaching **Physical Chemistry I** (laboratory course), Chemistry Dept., **Univ. of Crete**, Greece

REFeree ACTIVITY

- 1) *Nature Phys.*, 2) *Phys. Rev. Lett.*, 3) *Adv. Mater.*, 4) *Appl. Phys. Lett.*

- 5) Soft Matter, 6) Langmuir, 7) ACS Appl. Mater. Interfaces,
 8) Biomacromolecules, 9) ChemPhysChem, 10) Chem, 11) Lab Chip,
 12) ACS Omega, 13) Colloid Polym. Sci., 14) Crystals 15) Chem. Eng. Sci.

OTHER ACADEMIC ACTIVITIES AND TRAINING

03.2018: Member of the organizing committee of the **45th German Liquid Crystal Conference**, Luxembourg

08.2018: Member of the organizing committee of the **symposium on Functional Materials from Biopolymer Self-Assembly & Self-Organisation** (part of the **256th ACS National Meeting**), Boston, USA

08.2018: Presider at a session on the **symposium on Functional Materials from Biopolymer Self-Assembly & Self-Organisation** (part of the **256th ACS National Meeting**), Boston, USA

11.2018 and 12.2018: I was selected by the **University of Luxembourg's Leadership Academy** and I successfully completed the training with the following courses: *Leadership & Self-Management*, *Conflict and Team Management* and *Project Management for Professional Research*, Belval, Luxembourg

INTERNATIONAL FELLOWSHIPS AND AWARDS

10.2018: *Core Junior Program Awardee*, Luxembourg National Research Fund (FNR); project: 'CReLIGHT' (Colloidal Organization at interfaces Reconfigured by LIGHT-driven thermal Marangoni flows); **Total FNR contribution: €456,000**

04.2014: *Independent Marie Curie Intra-European Fellowship for Career Development (IEF)*, European Commission; project: 'DIOPTRA' (DIgital OPTofluidics for Remote Actuation of liquids); **Total EU contribution: €194,046.60**

03.2011 – 02.2013: *Max Planck Institute Fellowship for Postdoctoral Research*

10.2011: *Poster Prize*, Polymers for Advanced Technologies Conference 2011, Lodz, Poland

02.2009 – 05.2010: *Ph. D. Fellowship, International Max Planck Research School for Polymer Materials*

02.2006 – 02.2009: *Ph. D. Scholarship, Program for the Reinforcement of the Research Staff (IENEΔ) 2003*, General Secretariat for Research and Technology (GSRT), Greece

INTERNATIONAL COLLABORATIONS

▪ **Prof. B. P. Binks**, Dept. of Chemistry, **Univ. of Hull**, United Kingdom

Topic: Evaporation of suspensions of nanoparticles of controlled hydrophobicity; 2D particle crystallization

▪ **Prof. H.-J. Butt**, MPIP, Germany

Topic: Colloidal organization at the air-water interface

▪ **Prof. S. Fujii**, Dept. of Applied Chemistry, **Osaka Institute of Technology**, Japan

Topic: Multi-stimuli-responsive functional liquid marbles

▪ **Prof. M. Srinivasarao**, School of Materials Science and Engineering, **Georgia Institute of Technology**, USA

Topics: Mechanical behaviour of liquid crystalline liquid marbles; structural colour in polymer thin films

▪ **Prof. D. Baigl**, Dept. of Chemistry, **ENS**, France

Topic: Optofluidic transport of liquids, soft matter patterning

- **Dr. G. K. Auernhammer, Leibniz Institute of Polymer Research Dresden, Germany**

Topic: Dynamic wetting of surfactant solutions; Colloidal organization at the air-water interface

- **Prof. G. Fytas & Dr. B. Loppinet, Univ. of Crete & FORTH, Greece**

Topic: Visible laser-induced matter organization in polybutadiene and polyisoprene-based systems

- **Dr. E. Stiakakis, Institute of Complex Systems (ICS-3), Forschungszentrum Jülich, Germany**

Topic: 2D structure and dynamics of DNA-coated polymer microparticles at fluid interfaces

- **Dr. S. N. Varanakkottu, School of NanoScience & Technology, National Institute of Technology, India**

Topic: Evaporative Optical Marangoni Assembly of nanoparticles; Optofluidic transport of liquids

PUBLICATION LIST

25 publications (24 peer-reviewed papers, 1 conference proceedings paper), including **17 without my Ph. D. supervisors** (Dr. B. Loppinet and Prof. G. Fytas); **15 as first and 11 as corresponding author**

publications in peer-reviewed journals (*: corresponding author, §: equal contribution; the ten most important publications, along with a brief impact statement are enclosed in boxes)

1. [Optical spatial solitons and modulation instabilities in transparent entangled polymer solutions](#)

M. Anyfantakis, B. Loppinet*, G. Fytas, S. Pispas

Opt. Lett. **2008**, 33, 2839

This was the first report of the appearance of optical spatial solitons and modulation instabilities in transparent polymer solutions irradiated by laser light. This was an important contribution to the emerging field of soft matter nonlinear optics.

2. [Solvent-mediated pathways to gelation and phase separation in suspensions of grafted nanoparticles](#)

M. Anyfantakis, A. Bourlinos, D. Vlassopoulos*, G. Fytas, E. Giannelis, S. K. Kumar

Soft Matter **2009**, 5, 4256

3. [Experimental investigation of long time irradiation in polydiene solutions: reversibility and instabilities](#)

M. Anyfantakis*, B. Loppinet*, G. Fytas, C. Mantzaridis, S. Pispas, H.-J. Butt

J. Opt. **2010**, 12, 124013

4. [Versatile light actuated matter manipulation in transparent non-dilute polymer solutions](#)

M. Anyfantakis*, A. Königer, S. Pispas, W. Köhler, H.-J. Butt, B. Loppinet*, G. Fytas

Soft Matter **2012**, 8, 2382

This work completed the phenomenology of an already puzzling effect, the laser-induced local concentration increase in transparent solutions of common polymers, leading to polymer-rich microstructures. Herein, we reported the discovery of the inverse effect (light-driven concentration decrease), showing that, depending on the solvent environment, macromolecules in solution are effectively attracted or repelled by visible laser light.

5. [Self-induced transparency in diblock copolymer dispersions](#)

M. Anyfantakis*, B. Loppinet, G. Fytas, C. Mantzaridis, S. Pispas, H.-J. Butt

Opt. Lett. **2012**, 37, 2487

6. Time-dependent dynamic receding contact angles studied during the flow of dilute aqueous surfactant solutions through fluorinated microtubes

M. Anyfantakis*, D. Fell, H.-J. Butt, G. K. Auernhammer

Chem. Lett. **2012**, 41, 1232

7. Dynamic photocontrol of the Coffee-Ring Effect with optically tunable particle stickiness

M. Anyfantakis and D. Baigl*

Angew. Chem. Int. Ed. **2014**, 53, 14077

► *Journal inside cover* (DOI: 10.1002/anie.201410349)

► *Research highlight in Nature* (DOI: 10.1038/515166b)

We showed for the first time how to optically tune the patterns from evaporating colloidal suspension drops, in a dynamic and reversible manner. Photosensitive surfactants were used to mediate the particle-free interface interactions, which dictated the deposit morphology.

8. Modulation of the Coffee-Ring Effect in particle/surfactant mixtures: the importance of particle-interface interactions

M. Anyfantakis*§, Z. Geng§, M. Morel, S. Rudiuk, D. Baigl*

Langmuir **2015**, 31, 4113

We demonstrated that ordinary surfactants can be effectively used to control the Coffee-Ring Effect (and hence particle deposition from drying suspensions drops), by discovering that surfactant-mediated particle-interface interactions (rather than flows, as commonly believed) primarily defined the dry pattern morphology.

9. Manipulating the Coffee-Ring Effect: interactions at work (*invited Concept paper*)

M. Anyfantakis* and D. Baigl*

ChemPhysChem **2015**, 16, 2726

10. Light-directed particle patterning by evaporative optical Marangoni assembly

M. Anyfantakis§, S. N. Varanakkottu§, M. Morel, S. Rudiuk, D. Baigl*

Nano Lett **2016**, 16, 644

We developed a versatile optofluidic method to organize particles on predefined patterns along solid substrates, regardless of their physicochemical properties. The method relied on UV-induced chromocapillary Marangoni flows in colloidal suspension drops containing photoresponsive surfactants.

11. Light-driven transport of a liquid marble with and against surface flows

N. Kavokine, **M. Anyfantakis**, M. Morel, S. Rudiuk, T. Bickel, D. Baigl*

Angew. Chem. Int. Ed. **2016**, 55, 11183

► *Selected as Angewandte 'Hot Paper'*

► *Journal inside back cover* (DOI: 10.1002/anie.201606705)

12. Influence of surfactants in forced dynamic dewetting

F. Henrich, D. Fell, D. Truszkowska, M. Weirich, **M. Anyfantakis**, T.-H. Nguyen, M. Wagner, G. K. Auernhammer*, H.-J. Butt

Soft Matter **2016**, 12, 7782

13. Protein adsorption and reorganization on nanoparticles probed by the coffee-ring effect: application to single point mutation detection
 S. Devineau, **M. Anyfantakis**, L. Marichal, L. Kiger, M. Morel, S. Rudiuk, D. Baigl*
J. Am. Chem. Soc. **2016**, 138, 11623
 ► *Research highlight in Nat. Nanotechnol. (DOI: 10.1038/nnano.2016.220)*
We showed that the deposition patterns of drying drops containing polystyrene particles and various proteins reveal information on both the adsorption of proteins onto particles and their reorganization following adsorption. This method was sensitive enough to detect a single point mutation in a protein that is responsible for sickle cell anemia. These findings provided valuable insights in the direction of developing future cost-effective diagnostic tools.
14. Evaporation of drops containing silica nanoparticles of varying hydrophobicity: exploiting particle-particle interactions for additive-free tunable deposit morphology
M. Anyfantakis*, B. P. Binks*, D. Baigl*
Langmuir **2017**, 33, 5025
15. Kinetics of light-induced concentration patterns in transparent polymer solutions
M. Anyfantakis, A. Pamvouxoglou, C. Mantzaridis, S. Pispas, H.-J. Butt, G. Fytas, B. Loppinet*
J. Phys. Chem. B **2017**, DOI: 10.1021/acs.jpcc.7b02239
16. Evaporative Optical Marangoni Assembly: Tailoring the Three-Dimensional Morphology of Individual Deposits of Nanoparticles from Sessile Drops
M. Anyfantakis§, S. N. Varanakkottu§, S. Rudiuk, M. Morel, D. Baigl*
ACS Appl. Mater. Interfaces **2017**, 9, 37435
17. Magnetic actuation of drops and liquid marbles using a deformable paramagnetic liquid substrate
 J. Vialletto, M. Hayakawa, N. Kavokine, M. Takinoue, S.N. Varanakkottu, S. Rudiuk, **M. Anyfantakis**, M. Morel, D. Baigl*
Angew. Chem. Int. Ed. Engl. **2017**, 56, 16565
 ► *Journal back cover (DOI: 10.1002/anie.201712232)*
 ► *Selected as Angewandte 'Very Important Paper (VIP)'*
We described a new mode of interfacial transport in which liquid substrate deformation induced by a magnetic field, was exploited to manipulate floating objects. This is the first method that allows the magnetically controlled handling of discrete liquid entities (from drops to liquid marbles) that does not rely on the use of magnetosensitive particles.
18. Solvent-Dependent Light-Induced Structures in Gem-Dichlorocyclopropanated Polybutadiene Solutions
 A. Bogris, J. Wang, **M. Anyfantakis**, B. Loppinet*, S. L. Craig, H.-J. Butt, G. Fytas*
J. Phys. Chem. B **2018**, 122, 6995

19. Adsorption and crystallization of particles at the air-water interface induced by minute amounts of surfactant
M. Anyfantakis*, J. Vialetto, A. Best, G. K. Auernhammer, H.-J. Butt, B. P. Binks, D. Baigl*
Langmuir **2018**, 34, 15526
We showed that minute amounts of common cationic surfactants induce, in a single step, both adsorption and crystallization of various types of nanometer to micrometer-sized anionic particles at the air–water interface, without any additional phase involved or external forces other than gravity. These results emphasized a new role of the surfactant to mediate both adsorption and crystallization of particles at fluid interfaces and provide a practical manner to prepare two-dimensional ordered colloidal assemblies in a remarkably robust and convenient manner.
20. Effect of moderate magnetic fields on the surface of aqueous liquids: a reliable assessment
M. Hayakawa, J. Vialetto, **M. Anyfantakis**, M. Takinoue, S. Rudiuk, M. Morel, D. Baigl*
RSC Advances **2019**, 18, 10030
21. Photoswitchable dissipative two-dimensional colloidal crystals
J. Vialetto, **M. Anyfantakis***, S. Rudiuk, M. Morel and D. Baigl*
Angew. Chem. Int. Ed. **2019**, 58, 9145
▶ *Selected as a hot topic by the journal Adv. Mater. Interfaces*
This was the first demonstration of the reversible photocontrol of 2D colloidal crystallization at the air-water interface, where mm-sized particle assemblies could be actuated through the dynamic adsorption/desorption behavior of a photosensitive surfactant added to the system. This is a distinctive paradigm of a dissipative self-assembly, where the crystalline state is maintained only upon the supply of energy.
22. Elastic sheath–liquid crystal core fibres achieved by microfluidic wet spinning
L. W. Honaker*, S. Vats, **M. Anyfantakis** and J. P. F. Lagerwall*
J. Mater. Chem. C **2019**, 7, 11588
23. From Equilibrium Liquid Crystal Formation and Kinetic Arrest to Photonic Bandgap Films Using Suspensions of Cellulose Nanocrystals
C. Schütz, J. R. Bruckner, C. Honorato-Rios, Z. Tosheva, **M. Anyfantakis*** and J. P. F. Lagerwall*
Crystals **2020**, 10, 199
24. Responsive photonic liquid marbles
M. Anyfantakis*, R. Kizhakidathazhath, V. S. R. Jampani, B. P. Binks and J. P. F. Lagerwall*
Angew. Chem. Int. Ed. **2020**, in press, DOI: 10.1002/anie.202008210
▶ *Press release by Angew. Chem. Int. Ed., to share ‘results of great general interest with the public’*
▶ *Highlighted several popular science websites, such as phys.org (<https://phys.org/news/2020-08-self-assembly-responsive-photonic-biobased-materials.html>) and ScienceDaily (<https://www.sciencedaily.com/releases/2020/08/200828102142.htm>)*
We showed that liquid marbles can be exploited for achieving the self-assembly of a cellulose-based polymer into a cholesteric liquid crystalline phase showing structural coloration by Bragg reflection. These photonic liquid marbles respond with color changes that can be detected by eye, to changes in temperature, exposure to toxic chemicals and mechanical deformation. Our concept demonstrated the advantages of using liquid marbles as a miniature platform for precisely controlling the liquid crystal self-assembly of bio-derived polymers, and their exploitation to fabricate sustainable, responsive soft photonic objects.

conference proceedings paper

25. **Polydiene Solutions: A Surprising Versatile Non Linear Optics Material**

M. Anyfantakis, B. Loppinet, G. Fytas, C. Mantzaridis, S. Pispas and H.-J. Butt

AIP Conf. Proc. **2010**, 1288, 123

submitted papers

26. **The interplay of hydrodynamic flows, liquid crystal self-assembly and gelation dictate the morphology of iridescent cellulose nanocrystal films formed by drying sessile drops**

B. Dupas, J. P. F. Lagerwall and **M. Anyfantakis***

SUGGESTED REFEREES

The following Professors, with whom I had/have recent collaborations and who know me very well, have been informed and agreed to act as referees. Should you need any further referees, please let me know (I have already informed additional Professors).

Professor Damien Baigl (my previous Postdoc advisor)

Professor in the department of Chemistry, **École Normale Supérieure de Paris, France**

E-mail: damien.baigl@ens.fr

Telephone: +33 1 4432 2405

Website: www.baigllab.com

Professor Jan Lagerwall (my current advisor)

Professor in the department of Physics & Materials Science, **University of Luxembourg, Luxembourg**

E-mail: jan.lagerwall@uni.lu

Telephone: +352 46 66 44 6219

Website: www.lcsoftmatter.com

Professor Jan Dhont (my current external mentor under the frame of my individual CORE Junior grant)

Professor in the department of Physics, **Heinrich Heine University**, and Director of the Institute of Biomacromolecular Systems and Processes, **Forschungszentrum Jülich, Germany**

E-mail: j.k.g.dhont@fz-juelich.de

Telephone: +49 2461 61 2160

Website: www.fz-juelich.de/ibi/ibi-4/EN/Home/home_node.html

Professor Bernard Binks (frequent collaborator and co-author of my most recent paper)

Professor in the department of Chemistry and Biochemistry, University of Hull, **UK**

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Website: <https://www.hull.ac.uk/staff-directory/bernard-p-binks>