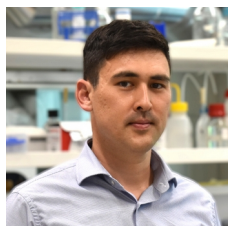


PERSONAL INFORMATION

Thomas Lee MOORE



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🌐 <https://www.docenti.unina.it/thomaslee.moore>

Sex M | Date of birth 13/03/1987 | Nationality USA

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input checked="" type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- (14/12/2023 – Present) **RTDB in 03/D2 CHEM-08/A, Department of Pharmacy, University of Napoli “Federico II”** (Naples, Italy)
- 2022 – Certification for tenured Associate Professorship 03/D2 CHEM-08/A (2022)
- (01/12/2018 – 31/11/2023) Marie Skłodowska-Curie COFUND MINDED Research Fellow, Italian Institute of Technology (Genoa, Italy)
- (01/02/2014 – 14/10/2018) Postdoctoral Researcher at the Adolphe Merkle Institute University of Fribourg (Fribourg, Switzerland)
- (18/08/2009 – 09/08/2013) Graduate Research & Teaching Assistant, Department of Bioengineering Clemson University (Clemson, SC, USA)

EDUCATION AND TRAINING

- (2022-2033) **Certification for tenured Associate Professorship 03/D2 CHEM-08/A (2020)**
- (August 2013) PhD in Bioengineering with a thesis entitled "Theranostic Nanoparticles for Cancer Therapy" Clemson University (2013), Clemson, SC, USA
- (May 2009) BSc in Bioengineering (cum laude), Clemson University (2009), Clemson, SC, USA
- Job-related skills Skills in the synthesis, production and characterization of nanomaterials for biomedical applications and drug delivery. Experience in polymer synthesis and materials chemistry (ring opening polymerization, NMR, FTIR, GPC, DSC, TGA, rheometry), microfabrication/microtemplating (UV and laser lithography, ICP-RIE) for nanoparticle production, microfluidic production of particles (e.g. liposomes, lipid nanoparticles, and polymeric nanoparticles), nanoparticle characterization (DLS, scanning/transmission electron microscopy, nanoparticle tracking analysis), loading and release of therapeutics from nanoparticle/polymer systems (HPLC, UV-Vis). In vitro experience in cell culture, particular cancer cell lines, human endothelial cells, and primary human monocytes/macrophages (cell proliferation, viability, fluorescence/confocal microscopy, flow cytometry). Basic experience with in vivo work: handling mice, live animal imaging, basic histology (cryo-sectioning, H&E, Masson’s Trichrome, immunofluorescence).
- Digital skills Data and statistical analysis, data visualization, scripting, and machine learning in the R statistical language and Python. Scripting/automation in python, bash and the ImageJ macro language. Web development in Shiny (R), HTML and CSS. Practical knowledge of linux operating system/the linux development environment and git (version control).

PERSONAL SKILLS

- Mother tongue(s) English
- Other language(s) Italian, B2
German, A2

- Mentoring activity Supervisor of 1x Ph.D. student and supervisor of numerous undergraduate students
- Teaching activity • Pharmaceuticals Technology and Legislation, Instructor for 60 hr/6 CFU (2024)
Faculty of Biotechnology, University of Naples “Federico II”
- Nanomaterials, degree course in Chemistry for MSc students, Lecturer for 7x 2 hr lectures (2017)
Chemistry Department, University of Fribourg
- Invited presentations • AI and In-Silico: How Digitilization Drives Drug Discovery and Development Symposium (2024)
- Autumn Meeting for Young Chemists in Biomedical Sciences (2022)
- National Center of Competence in Research Bio-Inspired Materials Annual Conference (2018)
- Theodor Kocher Institute Seminar
- Joint Research Centre International Workshop (2015)
- Parenteral Drug Association Europe Conference: Particles in Injectables (2015)
- Oral presentations • Controlled Release Society (CRS) 2022 Annual Meeting (2022)
- CRS 2021 Annual Meeting (2021)
- NanoBio&Med 2017 (2017)
- Trends in Nanotechnology International Conference (2016)
- Society for Biomaterials – Clemson University Biomaterials Day (2012)
- Awards • CRS Italy Local Chapter Travel Grant for the CRS Annual Meeting (2022, 2024)
- CRS Young Scientist Committee reduced registration for the CRS 2024 Annual Meeting (2022)
- CRS Italy Local Chapter Travel Grant for the CRS 2022 Annual Meeting (2022)
- Marie Skłodowska-Curie MINDED COFUND Fellowship – €201,472 over 4+ years (2018 – 2023)
- Page Morton Hunter Bioengineering Graduate Researcher award for top departmental researcher
in the Clemson University Department of Bioengineering (2013)
- Positions of Trust • Scientific committee for the Mid-season Sustainable Pharmaceutical Applications meeting (2024)
- Co-chair for the session on “Artificial Intelligence and Predictive Models in Pharmaceutical
Technology at the CRS 2024 Annual Meeting (2024)
- Committee member for the Collegio dei Docenti Dottorato Nazionale
- Young Scientist Committee member of the CRS (2023 – Present)
- Session chair for the CRS Italia Workshop (2022)
- Abstract Evaluator for the CRS Annual Meeting (2021, 2023)
- Scientific committee member for the Autumn Meeting for Young Chemists in Biomedical Sciences
(2021)

ADDITIONAL INFORMATION

Scientific Impact

h-index: 19
 2419 total citations
 39 articles in ISI peer-reviewed journals
 13 articles as first/co-first author; 5 articles as corresponding/co-corresponding author
 119 national and international co-authors

Relevant publications

- **The complete list of Publications is available on Scopus, Author ID: 36542652400**

PLACE AND DATE	According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV
Naples, November 18, 2024	SIGNATURE 