

Curriculum Vitae

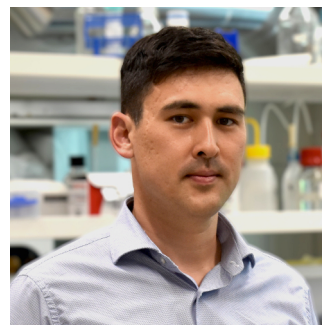
Thomas Lee Moore, Ph.D.

Assistant Professor

Ricercatore a Tempo Determinato (Tipologia B)

Dipartimento di Farmacia

Università degli Studi di Napoli Federico II



1. PERSONAL INFORMATION

E-mail:	thomaslee.moore@unina.it	ORCiD	0000-0002-7886-5245
Mobile:	+39 347 850 1934	Scopus	36542652400
Birth Date:	13 March 1987	ResearcherID	A-3126-2016
Citizenship:	USA, Italian work permit	Twitter	@tlmoore_BioNano

2. EDUCATION & ACADEMIC TITLES

Oct 2022	Abilitazione SC 03/D2 – SSD CHEM-08/A (già CHIM/09) Ministero dell'Istruzione (MIUR) - Abilitazione scientifica nazionale a Professore di II fascia (03/D2 Tecnologia, socioeconomia e normativa dei medicinali)	
Aug 2013	PhD Department of Bioengineering, Clemson University, <i>Theranostic Nanoparticles for the Treatment of Cancer</i>	Clemson, SC, USA
May 2009	BSc Department of Bioengineering, Clemson University,	Clemson, SC, USA

3. EMPLOYMENT HISTORY

Dec 2023–Present	Assistant Professor RTD-b Dipartimento di Farmacia Università degli Studi di Napoli Federico II	Naples, Italy
Dec 2018–Nov 2023	Marie Skłodowska-Curie COFUND MINDED Research Fellow Istituto Italiano di Tecnologia <u>Prof. Paolo Decuzzi</u>	Genoa, Italy
Feb 2014–Oct 2018	Postdoctoral Researcher Adolphe Merkle Institute <u>Prof. Alke Petri-Fink</u>	Fribourg, Switzerland
Aug 2009–Aug 2013	Graduate Researcher & Teaching Assistant Department of Bioengineering Clemson University <u>Prof. Frank Alexis</u>	Clemson, SC, USA

4. APPROVED RESEARCH PROJECTS

Dec 2018–Dec 2022 **Marie Skłodowska-Curie MINDED COFUND fellowship** to study the use of cells to transport particles across a biomimetic, microfluidic model of the blood–brain barrier. **€201,472** over 4-years, working in the group of Prof. Paolo Decuzzi at the Istituto Italiano di Tecnologia (Genoa, Italy)

5. SUPERVISION ACTIVITIES

Sep 2024 **Tutor** for Claudia Cardarelli for her BSc thesis work (tirocinio) – *Thesis Title*, Dipartimento di Farmacia, Università degli Studi di Napoli Federico II (Naples, Italy)

Jul 2024 **Tutor** for Alessandra Caruso for her BSc thesis work (tirocinio) – *Thesis Title*, Dipartimento di Farmacia, Università degli Studi di Napoli Federico II (Naples, Italy)

May 2024 **Co-tutor** with Prof. Fabiana Quaglia for the BSc thesis (tirocinio) of Emanuele Picciuti – *The Development of Polymeric Nanoparticles via an Automated Microfluidic Method for the Delivery of Drugs to Solid Tumors*, Dipartimento di Farmacia, Università degli Studi di Napoli Federico II (Naples, Italy)

2014–2018 **Mentor** of 4× PhD students (Ana Milosevic, Dominic Urban, David Burnand, and Philipp Lemal). I led bi-weekly sub-group meetings with students to guide their research, trained students on data analysis, and reviewed manuscript preparation, Adolphe Merkle Institute (Fribourg, Switzerland)

Feb 2017 **Project Leader** for the Swiss Youth Research (Schweizer Jugend Forscht) program participant Yehudah Gol – *Cooking Cancer: Gold Nanoparticle Hyperthermia as an Adjuvant to Chemotherapy*, Adolphe Merkle Institute (Fribourg, Switzerland)

Aug 2016 **Project Leader** for intern Frederik Steiner – *Intracellular Adsorption of Proteins on Silica-coated Magnetic Nanoparticles*, Adolphe Merkle Institute (Fribourg, Switzerland)

Jul 2016 **Project Leader** for intern Linda Eggs – *Temporal Effects on In Vitro Nanoparticle Uptake*, Adolphe Merkle Institute (Fribourg, Switzerland)

Apr 2015 **Co-supervisor** with Dr. Carola Endes of student Flurin Jurt’s Swiss secondary school final project (maturaarbeit) – *Nanotechnology: Interaction between Cells and Nanoparticles*, Adolphe Merkle Institute (Fribourg, Switzerland)

Jun 2015 **Project Leader** for NCCR Undergraduate Summer Research Program participant Alexandra Sobisch – *Nanoparticle Interactions with Intracellular Proteins*, Adolphe Merkle Institute (Fribourg, Switzerland)

6. TEACHING ACTIVITIES

Sep 2024–Dec 2024 **Instructor** (60 hr, 6 CFU) for the course *Tecnologia e Legislazione Farmaceutiche* (Pharmaceutical Technology and Legislation) in the BSc degree program *Biotechnologie per la Salute*, Dipartimento di Medicina Molecolare e Biotechnologie Mediche, Università degli Studi di Napoli Federico II (Naples, Italy).

Dec 2023 **Guest Lecturer** for 2× 1-hr lectures introducing programming for statistics, data analysis, data visualization, & machine learning in nanomedicine, Istituto Italiano di Tecnologia (Genoa, Italy).

Oct 2019	Lecturer , 2-hour multi-disciplinary lecture introducing nanomaterials, their principles and applications for the Marie Curie MINDED research fellows, Istituto Italiano di Tecnologia (Genoa, Italy)
Sep 2017–Nov 2017	Lecturer , independently developed 7× 2-hour lectures on the fundamentals of colloidal materials for a MSc-level Nanomaterials course, Chemistry Department, Université de Fribourg (Fribourg, Switzerland)
Dec 2016	Guest Lecturer , supervised 2× 2-hour exercises where MSc students conducted literature searches and practiced oral presentation of data, Adolphe Merkle Institute (Fribourg, Switzerland)
Nov 2016	Guest Lecturer , delivered a 1-hour lecture on Tissue Engineering for students in the Soft Materials MSc program, Adolphe Merkle Institute (Fribourg, Switzerland)
Nov 2016	Guest Lecturer , led a 2-hour exercise for MSc students on Academic Debate, Adolphe Merkle Institute (Fribourg, Switzerland)
2009–2013	Teaching Assistant for the courses: Introduction to Bioengineering, Introduction to Biomaterials, Drug Delivery (1× 1.5-hour guest lecture), and a Senior Design BSc student mentor. Bioengineering Department, Clemson University (Clemson, SC, USA)
2009–2013	Undergraduate student research mentor for 11× BSc students. I trained them in the lab, generally supervised their lab work, and trained them on data analysis and scientific presentation preparation. Bioengineering Department, Clemson University (Clemson, SC, USA)

7. SCIENTIFIC OUTREACH & ENGAGEMENT

Invited Oral Presentations

Oct 2024	Automation and Machine Learning for Elevated-Throughput in Nanomedicine Development, <i>AI and In-Silico: How Digitalization Drives Drug Discovery and Development Symposium</i> (Bern, Switzerland)
Oct 2022	Nanomedicines: From formulation development to crossing biological barriers, <i>Autumn Meeting for Young Chemists in Biomedical Sciences</i> (Naples, Italy)
Sep 2018	Soft and rigid particles to probe cellular uptake and durotaxis, <i>National Center of Competence in Research Bio-Inspired Materials Annual Conference</i> (Charmey, Switzerland)
Jan 2017	Macrophages act as Trojan horses for the transport of nanoparticles across the endothelium, <i>Theodor Kocher Institute Seminar</i> (Bern, Switzerland)
Nov 2015	Gold nanoparticle characterization in complex biological media, <i>European Commission Joint Research Centre International Workshop</i> (Ispra, Italy)
Sep 2015	Considerations for measuring in vitro toxicity of nanomaterials, <i>Parenteral Drug Association Europe Conference: Particles in Injectables</i> (Berlin, Germany)

Oral Presentations

Jul 2022	Artificial neural network and supervised machine learning tools to predict microfluidic liposome formulations, <i>Controlled Release Society 2022 Annual Meeting</i> (Montreal, Canada)
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Jul 2021	Discoidal particle hitchhikers to cross a microfluidic and biomimetic neurovascular model for the treatment of neurodevelopmental diseases, <i>Controlled Release Society 2021 Virtual Annual Meeting</i> (online)
Nov 2017	Shoot it or dilute it: Administration method in cell culture alters particle-cell interaction, <i>NanoBio&Med 2017</i> (Barcelona, Spain)
May 2017	Materials science in nanomedicine: A material's perspective, <i>CLINAM European Foundation for Clinical Nanomedicine</i> (Basel, Switzerland) ¹
Sep 2016	The effect of hydrodynamic shear stress on nanoparticle-cell interactions, <i>Trends in Nanotechnology International Conference</i> (Fribourg, Switzerland)
Sep 2012	Delivery of non-toxic drugs for enhancing brain cancer therapy, <i>Society for Biomaterials – Clemson University Biomaterials Day</i> (Clemson, SC, USA)

Conference Attendance

Jul 2024	MicrofluidicNP: A machine-learning platform for the microfluidic formulation development of nanomedicines, <i>Controlled Release Society Annual Meeting & Exposition</i> (Bologna, Italy)
Jul 2019	Cellular shuttles to transport particles across the blood–brain barrier, <i>Controlled Release Society Annual Meeting & Exposition</i> (Valencia, Spain)
Apr 2013	Radioluminescent polymer coated nanoparticles for imaging drug delivery to the brain, and Nanoparticles to deliver non-toxic drugs for enhancing brain cancer therapy, <i>SC Idea Networks for Biomedical Research Excellence Symposium</i> (Columbia, SC, USA)
Oct 2012	Targeted multifunctional nanoparticles for controlled delivery of anabolic bone therapy drugs, <i>Society for Biomaterials Fall Symposium</i> (New Orleans, LA, USA)

Scientific Community Activities

Journal Referee	Biointerphases, Biomacromolecules, Chemical Science, Colloids and Surfaces B: Biointerfaces, Drug Delivery & Translational Research, Journal of Biomedical Materials Research Part A, Journal of Drug Delivery Science and Technology, Journal of Magnetism and Magnetic Materials, Journal of Nanobiotechnology, Molecular Pharmaceutics, NanoImpact, Nanoscale Advances, Particle and Fibre Toxicology, Polymer International, Scientific Reports
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Society Memberships

2019–	Controlled Release Society (CRS)
2020–	CRS Italy Local Chapter, <i>Young Scientist Communication Team</i>
2020–2022	CRS Bioinspired & Biomimetic Delivery Focus Group board of directors, <i>Trainee Representative</i>
2022–	CRS Young Scientist Committee, <i>member</i>

¹ Presenting in place of postdoctoral supervisor, Prof. Alke Fink

8. POSITIONS OF TRUST

May 2025	Scientific committee for the Mid-season Sustainable Pharmaceutical Applications (MiSuSPharma) meeting (Naples, Italy)
Jul 2024	Co-chair for the session “Artificial Intelligence and Predictive Models in Pharmaceutical Technologies” at the CRS 2024 Annual Meeting (Bologna, Italy)
May 2024	Collegio dei Docenti Dottorato Nazionale member serving on the commission for the national selection of doctoral candidates
Jul 2023	Young Scientist Committee member serving on the planning committees for the CRS YSC scientific workshop.
Apr 2023	Abstract evaluator for the CRS 2023 Annual Meeting.
Oct 2022	Session chair for the CRS Italia Workshop: Unmet Medical Needs.
Nov 2021	Scientific committee for the Autumn Meeting for Young Chemists in Biomedical Sciences (AMYC-BIOMED) 2021.
Sep 2021	Session chair for the 20th Advanced Course in Pharmaceutical Technology by Associazione Docenti e Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche.
Apr 2021	Abstract evaluator for the CRS Virtual 2021 Annual Meeting.
Feb 2021	Applicant evaluator for final candidates of the Nanomedicine branch of the MINDED programme.
May 2020	Co-administrator with Dr. Gabriella Costabile of the Controlled Release Society Italy local chapter Twitter page <i>@CRS_Italia</i> . Local chapter Young Scientist Communication Team member.
May 2019	Session chair for the inaugural Grand MINDED Meeting for all Marie Curie MINDED research fellows, Istituto Italiano di Tecnologia (Genoa, Italy)
2017–2018	Administrator for the BioNanomaterials group Twitter page <i>@AMIBioNano</i> , Adolphe Merkle Institute (Fribourg, Switzerland)
2016–2018	Organizer of group seminars, BioNanomaterials group, Adolphe Merkle Institute (Fribourg, Switzerland)
2009–2013	Lab manager responsible for all purchasing, organization, safety, and setup of the Nanomedicine Lab in the Bioengineering Department, Clemson University (Clemson, SC, USA)

9. AWARDS & FELLOWSHIPS

Jul 2022	Italy local chapter travel grant award to attend the CRS Annual Meeting (Bologna, Italy)
	CRS Young Scientist Committee reduced registration fees award to attend the CRS Annual Meeting (Bologna, Italy)
Jul 2022	Italy local chapter young scientist travel grant award to attend the CRS Annual Meeting (Montreal, Canada)
Dec 2018	Marie Skłodowska-Curie MINDED COFUND fellowship (€201,472 over 4-years), Istituto Italiano di Tecnologia (Genoa, Italy)

Nov 2018	“Beyond global charge: Role of amine bulkiness and protein fingerprint on nanoparticle–cell interaction” featured as the inside cover art for the journal <i>Small</i>
Oct 2014	“Polymer-coated radioluminescent nanoparticles for quantitative imaging of drug delivery” featured as the frontispiece art for the journal <i>Advanced Functional Materials</i>
May 2013	Page Morton Hunter Bioengineering Graduate Researcher Award (given to the top departmental researcher), Clemson University (Clemson, SC, USA)
Feb 2013	“Monitoring pH-triggered drug release from radioluminescent nanocapsules with X-ray excited optical luminescence” featured in the <i>ACS Nano</i> podcast (Episode 67)
Feb 2013	“Multifunctional polymer coated carbon nanotubes for safe drug delivery” featured as the cover art for the journal <i>Particle & Particle Systems Characterization</i>
Sep 2012	1st place award for Graduate Research oral presentation at the Society for Biomaterials – Clemson University Biomaterials Day, Clemson University (Clemson, SC, USA)

10. PUBLICATIONS

Summary of Publication Data

	Scopus
<i>h</i> -index:	19
Sum of times cited:	2351
Citations per article: (mean)	63
(median)	23
Total no. publications:	39
No. first/co-first author publications:	15
No. corresponding author publications:	5



Peer-Reviewed Journal Publications

[†] Indicates these authors contributed equally

* Indicates corresponding author(s)

Original Articles

2024

1. Longobardi G, **Moore T**, Conte C, Ungaro F, Satchi-Fainaro R, Quaglia F.* Polyester Nanoparticles delivering Chemotherapeutics: learning from the past and looking to the future, *WIREs Nanomedicine & Nanobiotechnology*, (2024)
2. Fragassi A, Greco A, Di Francesco M, Ceseracciu L, Ammar AA, Dvir I, **Moore T**, Kasem H, Decuzzi P.* Tribological behavior of shape-specific microplate-enriched synovial fluids on a linear two-axis tribometer, *Friction*, 12: 539-553 (2024)

2023

3. Di Francesco V,[†] Boso D,[†] **Moore T**,[†] Schrefler B, Decuzzi P.* Machine Learning assisted microfluidic production of curcumin-loaded liposomes, *Biomedical Microdevices*, 25: 29 (2023)
4. **Moore T***, Panuzzo G, Costabile G, Graziano ACE, Palange AL, Spanò R, Ferreira M, Graziano AEC, Decuzzi P, Cardile V*, Nanomedicines to treat rare neurological disorders: The case of Krabbe disease, *Advanced Drug Delivery Reviews*, 203: 115132 (2023)

5. Miali M,* Chien W, **Moore T**, Felici A, Palange AL, Oneto M, Fedosov D, Decuzzi P. Assessing Differential Particle Deformability Under Microfluidic Flow Conditions, *ACS Biomaterials Science & Engineering*, 9: 3690–3698 (2023)
6. Palange AL, Di Mascolo D, Ferreira M, Gawne P, Spanò R, Felici A, Bono L, **Moore T**, Salerno M, Armirotti A, Decuzzi P.* Boosting the Potential of Chemotherapy in Advanced Breast Cancer Lung Metastasis via Micro-Combinatorial Hydrogel Particles, *Advanced Science*, 10: 2205223 (2023)

2022

7. **Moore T**,* Cook A, Bellotti E, Palomba R, Manghnani P, Spanò R, Brahmachari S, Di Francesco M, Palange AL, Di Mascolo D, Decuzzi P. Shape-specific microfabricated particles for biomedical applications: A review, *Drug Delivery and Translational Research*, 12: 2038 (2022)
8. Cook A,* Schlich M, Manghnani P, **Moore T**, Decuzzi P, Palange AL. Size effects of discoidal PLGA nanoconstructs in Pickering emulsion stabilization, *Journal of Polymer Science*, 60: 1480–1491 (2022)
9. Manghnani P, Di Francesco V, Panella La Capria C, Schlich M, Miali M, **Moore T**, Zunino A, Duocastella M, Decuzzi P.* Preparation of anisotropic multiscale micro-hydrogels via two-photon continuous flow lithography, *Journal of Colloid and Interface Science*, 608: 622–633 (2022)

2020

10. Septiadi D, Lee A, Spuch-Calvar M, **Moore T**, Spiaggia G, Abdussalam W, Rodriguez-Lorenzo L, Taladriz-Blanco P, Rothen-Rutishauser B, Petri-Fink A.* Particle surfaces to study macrophage adherence, migration, and clearance, *Advanced Functional Materials*, 30: 2002630 (2020)

2019

11. **Moore T**, Urban D, Rodriguez-Lorenzo L, Milosevic A, Spuch-Calvar M, Balog S, Rothen-Rutishauser B, Lattuada M, Fink A.* Nanoparticle administration method in cell culture alters particle-cell interaction, *Scientific Reports*, 9: 900 (2019)
12. Lusí V, **Moore T**, Laurino F, Coclite A, Perreira R, Ferreira M, Rizzuti I, Palomba R, Zunino P, Duocastella M, Mizrahy S, Peer D, Decuzzi P.* A tissue chamber chip for assessing nanoparticle mobility in the extravascular space, *Biomedical Microdevices*, 21: 41 (2019)

2018

13. Burnand D, Milosevic A, Balog S, Spuch-Calvar M, Rothen-Rutishauser B, Dengjel J, Kinnear C,* **Moore T**,* Fink A.* Beyond global charge: Role of amine accessibility on protein corona formation and nanoparticle cellular uptake, *Small*, 14: 1802088 (2018)
14. Septiadi D,^{†,*} Crippa F,[†] **Moore T**,[†] Rothen-Rutishauser B, Fink A.* Nanoparticle-cell interactions: A mechanobiology perspective, *Advanced Materials*, 30: e1704463 (2018)
15. Rodriguez-Lorenzo L,* Rafiee S,[†] Reis C,[†] Milosevic A, **Moore T**, Balog S, Rothen-Rutishauser B, Rüegg C, Fink A.* A Rational and Iterative Process for Targeted Nanoparticle Design and Validation, *Colloids Surfaces B: Biointerfaces*, 171: 579–589 (2018)
16. Urban D, Milosevic A, Bossert D, Crippa F, **Moore T**, Geers C, Balog S, Rothen-Rutishauser B, Fink A.* Taylor dispersion of inorganic nanoparticles and comparison to dynamic light scattering and transmission electron microscopy, *Colloid Interface Science Communications*, 22: 29–33 (2018)

2017

17. **Moore T**, Hauser D, Gruber T, Rothen-Rutishauser B, Lattuada M,* Petri-Fink A,* Lyck R.* Cellular shuttles: Monocyte/macrophages exhibit transendothelial transport of nanoparticles under physiological flow, *ACS Applied Materials & Interfaces*, 9: 18501–18511 (2017)

18. Lemal P,[†] Geers C,[†] Monnier C, Crippa F, Daum L, Urban D, Rothen-Rutishauser B, Bonmarin M,* Petri-Fink A,* **Moore T**.* Lock-in thermography as a rapid and reproducible thermal characterization method for magnetic nanoparticles, *Journal of Magnetism and Magnetic Materials*, 427: 206-211 (2017)
 19. Kinnear C, **Moore T**, Rodriguez-Lorenzo L, Rothen-Rutishauser B, Petri-Fink A.* Form follows function: Nanoparticle shape and its implications for nanomedicine, *Chemical Reviews*, 117: 11476-11521 (2017)
 20. Crippa F, **Moore T**, Mortato M, Geers G, Haeni L, Hirt AM, Rothen-Rutishauser B, Petri-Fink A.* Dynamic and biocompatible thermo-responsive magnetic hydrogels that respond to an alternating magnetic field, *Journal of Magnetism and Magnetic Materials*, 427: 212-219 (2017)
 21. Chen H, Wang F, **Moore T**, Qi B, Sulejmanovic D, Hwu S, Mefford O, Alexis F, Anker J.* Bright X-ray and upconversion nanophosphors annealed using encapsulated sintering agents for bioimaging applications, *Journal of Materials Chemistry B*, 5: 5412-5424 (2017)
- 2016**
22. Balog S, **Moore T**, Rothen-Rutishauser B, Petri-Fink A.* What we talk about when we talk about nanoparticle-cell interaction, *CHIMIA International Journal of Chemistry*, 70: 110 (2016)
- 2015**
23. **Moore T**.* Rodriguez-Lorenzo L, Hirsch V, Balog S, Urban D, Jud C, Rothen-Rutishauser B, Latuada M,[†] Petri-Fink A.^{†,*} Nanoparticle colloidal stability in cell culture media and impact on cellular interactions, *Chemical Society Reviews*, 44: 6287-6305 (2015)
- 2014**
24. **Moore T**, Wang F, Chen H, Grimes SW, Anker J, Alexis F.* Polymer-coated radioluminescent nanoparticles for quantitative imaging of drug delivery, *Advanced Functional Materials*, 24: 5815-5823 (2014)
 25. **Moore T**, Grimes S, Lewis R, Alexis F.* Multilayered polymer-coated carbon nanotubes to deliver dasatinib, *Molecular Pharmaceutics*, 11: 276-282 (2014)
 26. **Moore T**, Podila R, Grimes S, Rao A, Alexis F.* Systemic administration of polymer-coated nanographene to deliver drugs to glioblastoma, *Particle & Particle Systems Characterization*, 31: 886-894 (2014)
 27. **Moore T**,[†] Schreurs AS,[†] Morrison R, Jelen E, Loo SCJ, Globus R,* Alexis F.* Polymer-coated hydroxyapatite nanoparticles for the delivery of statins, *Journal of Nanomedicine & Nanotechnology*, 5: 237 (2014)
 28. **Moore T**, Chen H, Morrison R, Wang F, Anker J,* Alexis F.* Nanotechnologies for noninvasive measurement of drug release, *Molecular Pharmaceutics*, 11: 24-39 (2014)
 29. Chen H, Qi B, **Moore T**, Wang F, Colvin D, Sanjweewa D, Gore J, Hwu S, Mefford O, Alexis F, Anker J.* Multifunctional yolk-in-shell nanoparticles for pH-triggered drug release and imaging, *Small*, 10: 3364-3370 (2014)
 30. Chen H, Qi B, **Moore T**, Colvin D, Gore J, Alexis F, Mefford O, Anker J.* Synthesis of brightly PEGylated luminescent magnetic up-conversion nanophosphors for deep tissue and dual MRI imaging, *Small*, 10: 160-168 (2014)
 31. Mattix B, Olsen T, **Moore T**, Visconti R, Simionescu D, Alexis F.* Accelerated iron oxide nanoparticle degradation mediated by polyester encapsulation within cellular spheroids, *Advanced Functional Materials*, 24: 800-807 (2014)
 32. Chen H, Sulejmanovic D, **Moore T**, Colvin D, Qi B, Mefford O, Gore J, Alexis F, Hwu S, Anker J.* Iron-loaded magnetic nanoparticles for pH-triggered drug release and MRI imaging, *Chemistry of Materials*, 26: 2105-2112 (2014)

2013

33. **Moore T**, Pitzer J, Podila R, Wang X, Lewis R, Grimes S, Wilson J, Skjervold E, Brown J,* Rao A,* Alexis F.* Multifunctional polymer coated carbon nanotubes for safe drug delivery, *Particle & Particle Systems Characterization*, 30: 365-373 (2013)
34. Chen H,[†] **Moore T**,[†] Qi B, Colvin D, Jelen E, Hitchcock D, He J, Mefford O, Gore J, Alexis F,* Anker J.* Monitoring pH-triggered drug release from radioluminescent nanocapsules with X-ray excited optical luminescence, *ACS Nano*, 7: 1178-1187 (2013)
35. Mattix B,[†] **Moore T**,[†] Uvarov O, Pollard S, O'Donnell L, Park K, Horne D, Dhulekar J, Olsen T, Kraveka J, Frankel B, Alexis F.* Effects of polymeric nanoparticle surface properties on interaction with brain tumor environment, *Nano LIFE*, 3: 1343003 (2013)
36. Podila R, **Moore T**, Alexis F, Rao A.* Graphene coatings for biomedical implants, *Journal of Visualized Experiments*, 73: e50276 (2013)
37. Podila R, **Moore T**, Alexis F,* Rao A.* Graphene coatings for enhanced hemo-compatibility of nitinol stents, *RSC Advances*, 3: 1660-1665 (2013)

2012

38. Chen H, Colvin D, Qi B, **Moore T**, He J, Mefford O, Alexis F, Gore J, Anker J.* Magnetic and optical properties of multifunctional core-shell radioluminescence nanoparticles, *Journal of Materials Chemistry*, 22: 12802-12809 (2012)

2010

39. Loo S,* **Moore T**, Banik B, Alexis F.* Biomedical applications of hydroxyapatite nanoparticles, *Current Pharmaceutical Biotechnology*, 11: 333-342 (2010)

Book Chapters

1. Fong W-K, **Moore T**, Balog S, Vanhecke D, Rodriguez-Lorenzo L, Rothen-Rutishauser B, Lattuada M, Fink A. Nanoparticle behaviour in complex media: Methods for characterizing physicochemical properties, evaluating protein corona formation, and implications for biological studies, in *Biological Responses to Nanoscale Particles* (Eds. Gehr P, Zellner R), Springer Nature Switzerland AG, Cham, Switzerland: 101-105 (2019)
2. **Moore T**, Graham E, Mattix B, Alexis F.* Nanoparticles to cross biological barriers, in *Biomaterials Science: An Integrated Clinical and Engineering Approach* (Eds. Rosen Y, Elman N), CRC Press, Boca Raton, FL, USA: 85-121 (2012)