

Contact

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Top Skills

Biochemistry

Cell Biology

Molecular Biology

Languages

English (Full Professional)

German (Full Professional)

Spanish (Native or Bilingual)

Certifications

Good Clinical Practice

Qualitätssicherung bei der Herstellung und Prüfung von Arzneimitteln

Jorge Moreno Herrero

Doctoral Student at BioNTech

Wiesbaden

Summary

Molecular biologist by training, problem-oriented thinker by nature.

- I'm fascinated by polymeric and polymeric-hybrid delivery systems for small molecules or nucleic acid, specially RNA, but I also have experience with other delivery systems, such polycationic amphiphiles.
- My expertise includes data analysis and interpretation of structure-function correlations between the physicochemical properties and biolocal fate of such delivery systems.
- I have coordinated R&D collaboration projects and successfully resolved issues, both at the scientific content and at the management level.
- I have participated and contributed in large-scale collaborations both at academic levels (european consortia) or industrial (leading pharmaceutical companies)
- Due to the nature of my field, I firmly believe that a multidisciplinary team is the key to successful projects.
- I enjoy exploring uncharted territories and new technologies, but tend to strongly avoid mainstream thinking/topics.
- My colleagues would describe me as a driven, resourceful individual who maintains a positive, calm attitude when faced with challenges.

Experience

BioNTech SE

5 years 6 months

Doctoral Student | RNA Formulation & Drug Delivery

November 2017 - Present (4 years 1 month)

Mainz Area, Germany

Tailored Polymer Vehicles for Intramuscular Delivery of RNA Vaccines

Master Thesis | RNA Formulation & Drug Delivery

February 2017 - October 2017 (9 months)

Structure-Function Correlations of PEI/RNA Polyplexes

Student Assistant | RNA Formulation & Drug Delivery

June 2016 - October 2017 (1 year 5 months)

Mainz Area, Germany

- Development and optimization of formulations and RNA-based drug delivery system for targeted immunotherapy for cancer
- Produce and characterise nanoparticle compounds
- Analyse experimental data
- Organize general laboratory activities and maintain devices and lab materials

ACAP, Madrid+d Foundation, ASIIN, ZeVA, AQAP

Quality Assurance Evaluator

2012 - September 2017 (5 years)

Europe

- Evaluation of Quality Standards for MSc/BSc Programms
- Evaluation of Quality Management Systems
- Quality Assurance Auditing

Johannes Gutenberg University Mainz

Research Assistant

August 2012 - May 2016 (3 years 10 months)

- Research based work
- Assisting Senior Staff in Research projects
- Lab Maintenance & Organisation
- Surveillance of cell cultures and incubators
- Oligodendroglial cell sortings by magnetic coupled beads, production and analysis of lysates/ supernatant on protein level and characterisation.

Education

Johannes Gutenberg University Mainz

Biomedicine, MSc · (2015 - 2017)

Johannes Gutenberg-Universität Mainz
Molecular Biology, BSc · (2014 - 2016)

Universidad de Alcalá
Biomedical Science, BSc · (2010 - 2012)