

Alexandra Litvinenko

Contact

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Languages

Russian – Native language
English – Fluent (written/spoken) (C1)
French – Intermediate (B1)

Summary

Multidisciplinary doctorate with experience in biochemistry, organic and polymer chemistry, radiochemistry in addition to cellular and molecular biology in the context of novel PET probe development.

Education

Ph.D., Radiopharmaceutical chemistry: 2016 - September 2021

University of Geneva & University Hospital of Geneva, Switzerland

Development of a novel dual-imaging probe for the detection of progressive ovarian cancer.

MSc, Chemical technology: 2014-2016

Lomonosov Moscow State University of Fine Chemical technology, Russia

HLDF-6 promotes NRF2 transcriptional activity.

BSc, Chemical engineering and biotechnology: 2010-2014

Lomonosov Moscow State University of Fine Chemical technology, Russia

Investigation of the molecular mechanisms of the HLDF-6 peptide.

BA, Linguistics: 2012-2015

Moscow Institute of Linguistics, Russia

The translation of irony in the short stories of O Henry and P. G. Wodehouse

Technical skills

Radiochemistry: radiation protection (government accredited certificate obtained in 2017), manipulation of short-lived isotopes (Ga-68, F-18)

Synthetic chemistry: solid phase peptide synthesis (manual and automatic), organic synthesis of small molecules, RAFT polymerization

Analytical chemistry: HPLC, GPC, MS, NMR, UV spectroscopy

Biology: cell culture, Western Blot, ELISA, PCR, protein/RNA/DNA extraction, animal handling and experimentation (mice/rats) (government accredited certificate obtained in 2017)

Other: supervision of lab technician students in chemistry and biology, maintenance and supervision of laboratory equipment

Publications

A.Litvinenko, P.Jane, R.A.Dumont, E.Allémann, M.A.Walter, 2021 *Frontiers in Medicine, Nuclear Medicine*, review „Advanced imaging of ovarian cancer with hybrid scanners, hybrid imaging probes and innovative radioisotopes” – **accepted**

A.Litvinenko, V. Taelman, E. Reichmuth, F. Bois, R. Dumont, P. Jane, E. Allémann, A. Grotzky, M. Walter 2021 *Frontiers in Medicine, Nuclear Medicine* "A versatile folic acid scaffold for multimodality imaging of ovarian cancer" **submitted**

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Achievements

Marie Curie Scholarship: 2016-2019

University Hospital of Geneva, Switzerland

A part of MEDICIS-Promed training program in collaboration with CERN

Grant from Ernst et Lucie Schmidheiny Foundation: 2019

University of Geneva, Geneva, Switzerland

Grant for laboratory equipment purchase

References

Prof. Martin Walter

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Prof. Eric Allémann

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