

Curriculum Vitae

Personal information **Michael Chiorazzo**

Work experience

August, 2018 - Present

Chemist

U.S. Food and Drug Administration - Center for Veterinary Medicine

United States of America

Activities include conducting scientific review of New Animal Drug Applications (NADAs), Investigational New Animal Drug Applications (INADs) and other related documents such as amendments and supplemental applications for technical information supporting the chemistry, manufacture and control (CMC) of an animal drug product. Expertise in CMC information (e.g. drug synthesis, impurity profile, raw material testing and specifications, manufacturing process and control, packaging of drug product). Expertise in nanotechnology product quality information (e.g. in vitro release, particle composition, shape and morphology, encapsulation efficiency, particle size, particle size distribution, stability).

September 2016 - July 2018

Postdoctoral Fellow

University of Texas at Austin

United States of America

Activities include research on the biochemical mechanisms concerning the cancer associated protein, *maternal embryonic leucine zipper kinase (MELK)*

Education and training

September 2010 - August 2016

PhD in Pharmacology

University of Pennsylvania

United States of America

Developed targeted activatable fluorophores selective to the biomarker: cytosolic phospholipase A2 (cPLA2). Investigated the use of cPLA2 activated fluorophores in a liposomal formulation for the fluorescence guided surgery of breast cancer.

September 2006 - May 2010

B.S. in Chemistry and Biology

Ramapo College of New Jersey

United States of America

Undergraduate research in synthetic chemistry to improve methods of protein PEGylation.

Additional information

Publications

Chiorazzo MG, Bloch NB, Popov AV, Delikatny EJ. Synthesis and Evaluation of Cytosolic Phospholipase A(2) Activatable Fluorophores for Cancer Imaging. *Bioconjug Chem.* 2015 Dec 16;26(12):2360-70. doi: 10.1021/acs.bioconjchem.5b00417. Epub 2015 Oct 28. PMID: 26426140; PMCID: PMC4862311.

Chiorazzo MG, Tunset HM, Popov AV, Johansen B, Moestue S, Delikatny EJ. Detection and Differentiation of Breast Cancer Sub-Types using a cPLA2a Activatable Fluorophore. *Sci Rep.* 2019 Apr 16;9(1):6122. doi: 10.1038/s41598-019-41626-y. PMID: 30992473; PMCID: PMC6467920.

Projects

Member of U.S. FDA CVM's nanotechnology working group

Memberships

Other Relevant Information