

## CV Profile (max. 2 pages length)

**Name : Livia Tepshi**

### Research interests

As a pharmacist, I am interested in drug development topics and as a researcher in understanding their mechanism of action. Focused in applied research, I am willing to develop a project that could find application in industry. My research interest is large.

In pharmaceutical sector I am especially interested in anticancer treatment or pathologies that require long term treatment like Diabetes or hypertension.

In alimentary sector, the plant-based food seems like an interesting topic that can find a lot of application in the future.

In the cosmetic sector, my research would concern the eco-friendly cosmetics. In other words, trying to find new alternatives, substituting harmful chemical products like silicone, triclosan, parabens, etc.

### Education

PhD: (10/09/2014- 21/11/2017)

Master's Degree: (01/09/2011- 17/07/2014)

Undergraduate Degree: (01/10/2008- 31/07/2011)

### Experience in research (Notice that management and teaching activities are not considered)

#### - Research Engineer (Postdoctoral Fellow) – Ongoing (19 months)- Curie institute

Research responsibility: Develop 3 projects in parallel

Expression, purification and characterization of

a)Sec16A, a protein target of Retro-2, a small molecule which protects against intoxication from ricin and Shiga toxin.

b)Myosin VA (involved in pigmentation and neural function)

c)Myo VIIA (may be involved in some kind of cancer)

Structural studies: Protein crystallization, data collection and structure resolution

## - Research Engineer (Postdoctoral Fellow) – (8 months)- ENS Cachan

Structural and functional characterization of proteins involved in the activation of small GTPases family involved in cancer, bone disease and infection.

Cell Biology: Pull Downs, siRNA transfection.

Fluorescence microscopy, liposome production, GAP and GEF activity measurement using fluorescence assays

## - PhD Fellow – (3 years)- CEA Saclay

Research for the target of Retro-2, a retrograde transport inhibitor and its improvement for therapeutic application.

• Cell siRNA transfection • RT qPCR • Cellular imaging: microscopy • Data analysis: ImageJ, GIMP, Prism

Protein crystallization and structure resolution: 26 pdb structures

Development of a commercial solubilization screen: CRYOSOL

## Sector of activity

Health, Cosmetics, Food

## Select the option/s about your profile

PhD + 2.5 years of experience in research

## Contact information

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