Giant unilamellar vesicles : an efficient membrane biophysical tool and its application in drug delivery studies

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CURRICULUM VITAE

Nestor Fabian Lopez Mora was born on the 20th January 1978 in Mexico City, Mexico. After finishing high school studies, he started a Bachelors degree in Chemical Engineering at the Chemical Sciences School at La Salle University, Mexico City (1998 -2002). He obtained his Bachelor (B. Sc.) diploma in 2003 with the thesis "Conformational study of ethoxyl group in 1,4 diazanes and 1,4 diazenes". In 2003 he began a Masters degree in Chemical Sciences with specialization in Organic Chemistry at the National Autonomous University of Mexico (UNAM) in Mexico City. In 2005 he obtained a Master in Science (M. Sc.) diploma with the thesis "Secondary Orbital Interactions (SOI) in Diels-Alder Cycloadditions". In 2005, interested in applied sciences, he began to work in the Physical Chemistry department of the Polymer Research Centre (COMEX Group) as a Research Assistant, in Mexico City. In 2009, Nestor joined the Synthesis Department of the Polymer Research Centre, remaining until December 2010.

In January 2011, with a scholarship (181940) from the Mexican Council for Science and Technology (CONACyT) for foreign studies, Nestor started his PhD research in the Supramolecular and Biomaterials Chemistry group (SBC) of Dr. Alexander Kros at Leiden University, Leiden, The Netherlands. During his PhD he studied the production and applications of giant unilamellar vesicles (GUVs) as a biomembrane model for studying membrane fusion and drug delivery (2011 – 2015).

From 2015 to date, Nestor works as Research Associate in the Chemistry department of Kings College London (KCL), London, United Kingdom. His current research, carried out in Professor Paula Booth's group, concerns the study of protein - membrane interactions.

List of Publications

- **Lopez Mora**, **N**.; Bahreman, A.; Valkenier, H.; Li, H.; Sharp, T. H.; Sheppard, D. N.; Davis, A. P.; Kros, A. *Chemical Science* **2016**, 7, 1768.

- Valkenier, H.; **Lopez Mora**, **N**.; Kros, A.; Davis, A. P. *Angewandte Chemie* **2015**, 54, 2137.

- Askes, S. H.; **Lopez Mora**, **N**.; Harkes, R.; Koning, R. I.; Koster, B.; Schmidt, T.; Kros, A.; Bonnet, S. *Chemical Communications* **2015**, 51, 9137.

- **Lopez Mora**, **N**.; Hansen, J. S.; Gao, Y.; Ronald, A. A.; Kieltyka, R.; Malmstadt, N.; Kros, A. *Chemical Communications* **2014**, 50, 1953.

- Cuevas, G.; Martinez-Mayorga, K.; del Carmen Fernandez-Alonso, M.; Jimenez-Barbero, J.; Perrin, C. L.; Juaristi, E.; **Lopez Mora**, **N**. *Angewandte Chemie* **2005**, 44, 2360.