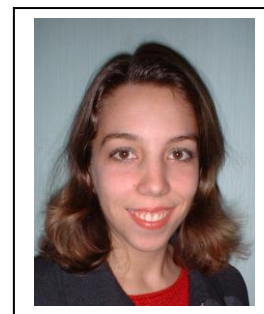


CURRICULUM VITAE



Name: **Maud LARREGOLA**

Address: Laboratoire LCB, Université de Cergy-Pontoise, 5 mail Gay-Lussac, Neuville sur Oise, 95031 Cergy-Pontoise cedex associated with Interdepartmental Laboratory of Peptide & Protein Chemistry & Biology (PeptLab)

Nationality French

Place and date of birth: Paris (France) 27/02/1982

PROFESSIONAL CAREER

Since 2011 Maître de Conférences, *Laboratory of Chemical Biology*, Université de Cergy-Pontoise.

2011 Post-doc position: Engineering bio-adhesive with synthetic amino acids. *Dept. of Biocatalysis*, Technical University of Berlin, Germany.

2010 Post-doc fellowship: Engineering bio-adhesive with synthetic amino acids. *Dept. of Molecular Biotechnology*, Max Planck Institute of Biochemistry, Martinsried (Munich), Germany.

EDUCATION AND TRAINING

2006-2009 PhD in Chemistry: Development of β -turn mimics to inhibit protein-protein interaction. Tutors: Prof. Solange Lavielle, Prof. Philippe Karoyan, Dr. Emmanuelle Sachon. *Laboratory of BioMolecules*, University Paris 6, France.

2005-2006 Master degree in Molecular Biology: Characterization of the pharmaceutical activity of a snake peptide toxin under the supervision of Dr. N. Gilles. *Laboratory of Protein Biochemistry*, DIEP, CEA, Saclay, France.

SCIENTIFIC CONTRIBUTIONS

11 peer reviewed publications in journals. 29 communications at Symposia (7 oral communications and 22 posters). 2 invited lectures in Universities.

SCIENTIFIC PUBLICATIONS LIST (2008-2015)

- [1] Moumné R., **Larregola M.**, Boutadla Y., Lavielle S., Karoyan P. Aminomethylation of chiral silyl enol ethers: access to β^2 -homotryptophane and β^2 -homolysine derivatives. *Tetrahedron Letters* (2008) 49, 4704-4707.
- [2] Quinton L., Girard E., Maiga A., Rekik M., Lluel P., Masuyer G., **Larregola M.**, Marquer C., Ciolek J., Magnin T., Wagner R., Molgo J., Thai R., Fruchart-Gaillard C., Mourier G., Chamot-Rooke J., Menez A., Palea S., Servent D., Gilles N. Isolation and pharmacological characterization of AdTx1, a natural peptide displaying specific insurmountable antagonism of the α_{1A} -adrenoceptor. *British Journal of Pharmacology* (2010) 159, 316-325.
- [3] Mothes C.*, **Larregola M.***, Quancard J., Goasdoué N., Lavielle S., Chassaing G., Lequin O., Karoyan P. Prolinoamino acids as tools to build bifunctionalized stable β -turns in water. *ChemBioChem* (2010) 11, 55-58. (*equal contribution of both authors)
- [4] Ben Hamidane, H., Vorobyev, A., **Larregola, M.**, Lukaszuk, A., Tourwé, D., Lavielle, S., Karoyan, P., Tsybin, Y. O. Radical stability directs electron capture and transfer dissociation of β -amino acids in peptides *Chemistry A European Journal* (2010) 16, 4612-4622.
- [5] Hoesl, M. G., **Larregola, M.**, Cui, H., Budisa, N. Azatryptophans as tools to study polarity requirements for folding of green fluorescent protein. *Journal of Peptide Science* (2010) 16, 589-595.
- [6] Guitot K., **Larregola M.**, Pradan T. K., Vasse J.-L., Lavielle S., Bertus P., Szymoniak J., Lequin O., Karoyan P. The combination of prolinoamino acids and cyclopropylamino acids leads to fully functionalized, stable β -turns in water. *ChemBioChem* (2011) 12, 1039-1042.
- [7] **Larregola M.**, Lequin O., Karoyan P., Guianvarc'h D., Lavielle S. β -Amino acids containing peptides and click-cyclized peptide as β -turn mimics. A comparative study with "conventional" lactam- and disulfide-bridged hexapeptides. *Journal of Peptide Science* (2011) 17, 632-643.
- [8] **Larregola M.**, Moore S., Budisa N. Congeneric bio-adhesive mussel foot proteins designed by modified prolines revealed a chiral bias in unnatural translation. *Biochemical and Biophysical Research Communications* (2012) 421(4), 646-650.
- [9] Maiga A., Merlin J., Marcon E., Rouget C., **Larregola M.**, Gilquin B., Fruchart-Gaillard C., Lajeunesse E., Marchetti C., Lorphelin A., Bellanger L., Summers RJ., Hutchinson DS., Evans BA., Servent D., Gilles N. Orthosteric Binding of rho-Da1a, a Natural Peptide of Snake Venom Interacting Selectively with the α_{1A} -Adrenoceptor. *PLoS one* (2013) 8(7), e68841
- [10] Auburger N., Di Pisa M., **Larregola M.**, Chassaing G., Peroni E., Lavielle S., Papini A.-M., Lequin O., Mallet J.-M. Glaser oxidative coupling on peptides: Stabilization of β -turn structure via a 1,3-butadiene constraint. *Bioorganic & Medicinal Chemistry* (2014) 22, 6924-6932
- [11] Real Fernández F., Di Pisa M., Rossi G., Auburger N., Lequin O., **Larregola M.**, Benchohra A., Mansuy C., Chassaing G., Lolli F., Hayek J., Lavielle S., Rovero P., Mallet J.-M., Papini A.-M. Antibody Recognition In Multiple Sclerosis And Rett Syndrome Using A Collection Of Linear And Cyclic *N*-glucosylated antigenic probes. *Biopolymers: Peptide Science* (2015) online