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Integrated Technologies Laboratory
Technology Center
Chemical and Food Engineering Department
Genomic & Tissue Engineering Group

Federal University of Santa Catarina
Florianópolis, SC - Brazil

Florianópolis, SC – Brazil, September 19, 2013

To:

Professor Dr. **Olivier Gallet**

Biochimie des Protéines - Biomatériaux Innovants - Biochimie et Physiologie Végétale
Directeur de l'Unité ERRMECe
(Equipes de Recherche sur les Relations Matrice Extracellulaire/Cellule) EA 1391
Université de Cergy-Pontoise, Site de Saint Martin 2 Avenue Adolphe Chauvin, BP 222
95302 Cergy-Pontoise cedex

Dear Professor Gallet,

I have discussed a possible collaboration with Professor Veronique Larreta Garde, who I had the pleasure to meet here in Florianópolis, March this year.

After attending her excellent seminar, I was delighted by the approach the group at Cergy is taken to consider large biomolecule entrapment and release modeling and experiments.

We briefly discussed a few ideas that I would like to exploit in order to expand her modeling strategies.

My goal would be to stay at Cergy-Pontoise from 3 to 6 months, starting in March 2014, so my family (wife and our daughter) would also benefit from French culture and language experiences.

If you feel my collaboration would be of your interest, I will try to manage a sabbatical leave and lab supervision while in France.

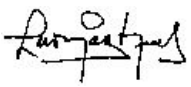
I understand that your university and/or Government would provide financial support during my stay. Please correct me on that if I took it wrong.

A **very** short research and possibly teaching proposal is suggested below. Please also find a short bio, my CV (2009 English version) and a supplementary production list, 2010-2013.

We could arrange a Skype meeting to further discuss a more broad collaborative plan, at your discretion and convenience (Skype username: luismar.porto).

Thank you in advance for your attention and consideration.

Best regards,



Prof. Luismar Porto, *PhD*
UFSC – Florianópolis, SC - Brazil

(Tentative)

Research and Teaching Plan Proposal Summary

Mathematical Modeling of Hydrogel Biomolecules Entrapment and Delivery

Objectives:

To collaborate in ongoing research with Pr. Veronique Larreta Garde, Errmece Lab, at the University of Cergy Pontoise (3-6 mo., starting March 2014).

General Research Objective:

To exploit advanced mathematical modeling approaches to predict large and small biomolecules entrapment, degradation and delivery from hydrogel matrices.

Teaching:

Seminars and/or short courses in Computational Biology, Applied Genomics, Metabolic Engineering, Tissue Engieering.

Technical production:

Book chapter on Tissue Engineering with Hydrogels draft.