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## BIOGRAPHICAL SKETCH

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NAME Legrain Pierre	POSITION TITLE Director of the Life Sciences Division		
CURRENT AFFILIATION CEA, France			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Ecole Normale Supérieure, Paris , France Paris University	PhD	1975 1981	Sciences - Biology Genetics

List of five recent publications by the candidate:

Rain J.-C., Selig L., De Reuse H., Battaglia V., Reverdy C., Simon S., Lenzen G., Petel F., Wojcik J., Schächter V., Chemama Y., Labigne A., **Legrain P.**, *The protein-protein interaction map of Helicobacter pylori*. **Nature**, 2001, 409(6817): p. 211-5.

Hermjakob H, Montecchi-Palazzi L, Bader G, Wojcik J, Salwinski L, Ceol A, Moore S, Orchard S, Sarkans U, von Mering C, Roechert B, Poux S, Jung E, Mersch H, Kersey P, Lappe M, Li Y, Zeng R, Rana D, Nikolski M, Husi H, Brun C, Shanker K, Grant SG, Sander C, Bork P, Zhu W, Pandey A, Brazma A, Jacq B, Vidal M, Sherman D, **Legrain P**, Cesareni G, Xenarios I, Eisenberg D, Steipe B, Hogue C, Apweiler R. *The HUPO PSI's molecular interaction format--a community standard for the representation of protein interaction data*. **Nat Biotechnol.**, 2004. 22 (2):177-83.

Colland F., X. Jacq, V. Trouplin, C. Mougin, C. Groizeleau, A. Hamburger, A. Meil, J. Wojcik, **P. Legrain**, Gauthier, J.-M. *Functional Proteomic Mapping of a human signaling pathway*. **Genome Res.** 2004 14 (7):1324-32.

Houot L, Floutier M, Marteyn B, Michaut M, Picciocchi A, Aude JC, **Legrain P**, Cassier-Chauvat C and Chauvat F *Cadmium triggers an integrated reprogramming of the metabolism of Synechocystis PCC6803, under the control of the Slr1738 Regulator* , **BMC Genomics** 2007, 8:350.

Michaut M, Kerrien S, Montecchi-Palazzi L, Chauvat F, Cassier-Chauvat C, Aude JC, **Legrain P**, Hermjakob H. *InterPORC: automated inference of highly conserved protein interaction networks*. **Bioinformatics.** 2008, 24:1625-31.

**Please indicate in 200 words or less the reason(s) why you would be a suitable candidate for the HUPO Council elections.**

I am interested in many challenges associated with large scale biology, from large datasets gathering, bioinformatics analyses, modeling of integrated biology and more specifically protein interactions and networks.

I am involved with HUPO since its beginning. I feel that it might be good to renew HUPO council members. However, I was elected as HUPO secretary general for a two-year term starting January 1<sup>st</sup>, 2009. It seems thus appropriate to candidate for a renewal of my position as HUPO council member.