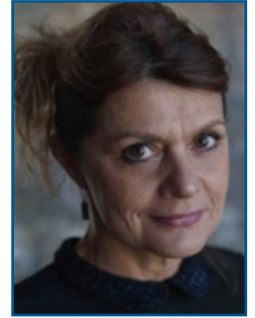


*As part of our “Nano & Micro-Systems for Cell Biology” seminar series,
we are delighted to invite you to attend this seminar to be given in english by :*

Florence RUGGIERO

Institut de Génomique Fonctionnelle de Lyon (IGFL)
Thursday 10 December 2015
2pm



Collagen networks : more than just a scaffold

Salle Nevill Mott (D420)
3rd floor - Building D - Institut Néel
25 rue des martyrs - 38000 GRENOBLE

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Collagen networks : more than just a scaffold

Collagens are the major components of the extracellular matrix and the most abundant vertebrate proteins. They form a superfamily of 28 members that show a remarkable diversity in molecular and supramolecular organization, and tissue distribution. In addition to be necessary for matrix structure and dynamics, they are involved in a variety of cell and morphogenetic events and display highly specialized conserved functions. Mutations in human collagen genes are responsible for a dozen of disorders that affect various organs and tissues. Collagens can no longer be considered just as structural proteins that provide strength to tissues. We investigate mechanisms underlying the diverse and complex functions of collagens in development and disease, from molecules to organisms. Examples of our recent work, as the role of unconventional collagens in the zebrafish neuromuscular system, will be presented.

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