

Monday the 25 June 2018 at 14:30
Politecnico di Torino, DISMA, Aula Buzano (third floor)

ASYMPTOTIC HOMOGENIZATION IN BIOLOGY

Half a day workshop

Program

14:30 **Mariya Ptashnyk**, Heriot Watt, Edimburgh

"Multiscale modelling, analysis and simulations of intra- and intercellular signalling processes"

15:10 **Raimondo Penta**, University of Glasgow

"Effective balance equations for elastic composites subject to inhomogeneous potentials"

15:50 Coffee break

16:20 **Silvia Lorenzani**, Politecnico di Milano

"Homogenization of the Smoluchowski equation in perforated domains: A mathematical model for aggregation and diffusion of beta-amyloid in Alzheimer's disease"

17:00 **Ariel Ramírez Torres**, Politecnico di Torino

"Homogenized equations of heterogeneous materials with evolving micro-structure"

Chairman & Organizer: Davide Carlo Ambrosi

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