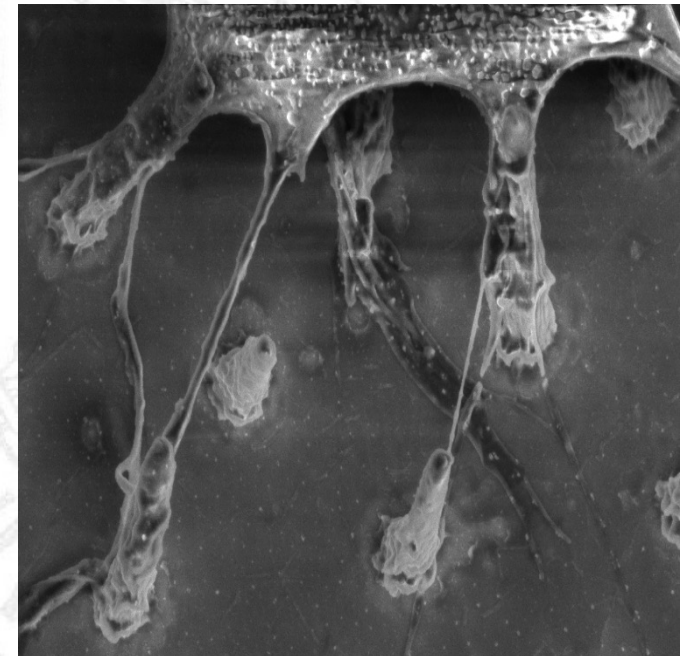




## Cells in Animal and Plant Systems

Use of light for selective and spatio-temporally resolved control of cell functions (photoceutics) is emerging as a valuable alternative to standard electrical and chemical methods.

Here, we propose the use of organic semiconductors as efficient and biocompatible optical transducers, and we focus in particular, on breakthrough applications in the field of regenerative medicine and plant biotechnology. Devices able to selectively and precisely modulate the fate of living cells, from adhesion to proliferation, from differentiation up to specific function, upon visible light will be presented and critically discussed.



SEMINAR

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**October 12<sup>th</sup>, 14:30 (sharp)**

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