



ROUNDTABLE

“From Life to Life:

Through New Materials

and Plasmonics”

“From Life to Life:.....”



it is a multidisciplinary initiative to discuss together the idea that it is possible to harness natural architectures and their functions to create innovative materials with peculiar physical properties actually the optical ones , ALSO to improve our life. The starting point comes out a long path aimed to develop **metamaterials, i.e.** nanostructured materials with extraordinary physical properties, designed and fabricated with the objective to **go beyond nature**



understanding of the nanoscale world has provided new scientific perspectives with new mysteries, but also new ideas. We need selectivity, high resolution, compactness, speed, and efficiency: unique features that have to be integrated in a single system to work in a synergy for a unique peculiar objective.



This research context is necessarily interdisciplinary: it establishes natural links among multiple and diverse fields such as Mathematics, Physics, Engineering, Material Sciences, Biology, Medicine, and Chemistry.

A small new research international community has started to be formed and this initiative is a second proof,



the first event has been last week in a conference in Cetraro organised by the university of Calabria and the university of Case Western Reserve (CWRU of Cleveland)

<http://nanoplasm2014.case.edu/>



nanoplasm.htm

researchers at the highest level has been
invited to give different point of view



Programme

15.00-16.15

Orlandi/Bartolino-Strangi-

Advincula/Omenetto-Beltram/Barois

16.15-16.30 coffee

16.30-17.30 Calvetti-Inguscio-Starkman

short contributions: Barberi-Desio -Lacaze-

Caracciolo

17.30-17.45 coffee

17.45-18.30 discussion



THE INTRODUCTION

G.Strangi, actually full physics professor of at the Case Western Reserve University in Cleveland (former researcher in Cosenza): he is a strong linker over the Atlantic ocean for the whole . Expert of liquid crystals is fully devoted actully to metatmaterials , both of syntetic and of natural origin