

**Project No:** 623527

**Project Acronym:** PRIOSERS

**Project Full Name:**

Prion Detection Through Organized Arrays of Gold Nanorods as SERS Substrates.

## **Marie Curie Actions**

# **Final Report**

**Period covered:** from 01/04/2014 to 31/03/2016

**Start date of project:** 01/04/2014

**Project coordinator name:**

Prof. Ramon Alvarez Puebla

**Version:** 1

**Date of preparation:** 15/04/2016

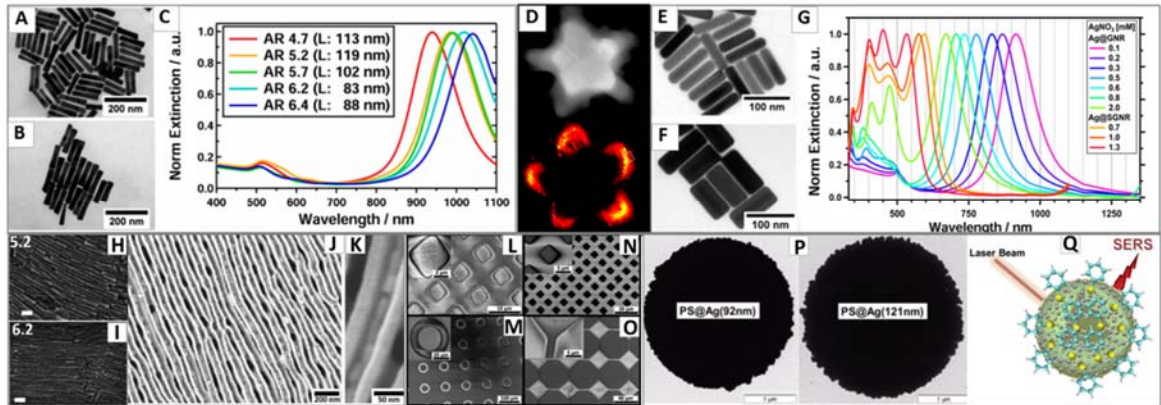
**Date of submission (SESAM):** 18/05/2016

**Project coordinator organisation name:**

Universitat Rovira i Virgili

# 1. FINAL PUBLISHABLE SUMMARY REPORT

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**Fig.** TEM images (A, B) and UV-vis (C) from gold nanorods of different sizes. TEM and EELS from gold penta-stars (D). TEM images (E, F) and UV-vis (G) from silver rods grown on gold nanorods of different sizes. SEM images of supercrystals made of gold nanorods (H, I). SEM corresponding to gold nanorods organized into linear arrays (J, K). Periodic arrays of discrete supercrystals made of spherical gold nanoparticles (L-O). Polystyrene beads coated with silver nanoparticles (P). Schematic representation of a porous polymer capsule with silver nanoparticles embedded on it (Q).