Describe your Organization:

- Where, size, What do you do?: 5 people
  - We working on development of human organs, ear, nose, urethra, tendon and heart valve.
  - Functionalized nanoparticle, example graphene oxide
  - Development of nanocomposite material for medical and other industrial application
- Any relevant FP7, H2020 experience?, In what programmes.
  - FP7, Medical
  - FP7, Nanomaterials, Smart materials
H2020 WP2020 topic/s you are targeting as coordinator (it could be more than 1 topic):

- From the ICT or NMPB WP for year 2020:
  - NMBP-21-2020: Biological scaffolds for tissue regeneration and repair (RIA)
  - NMBP-22-2018: Osteoarticular tissues regeneration (RIA) Specific
- Deadline, single vs 2 STAGE submission: 2 stage
- Type of Action, TRL and Expected Impact: Complete preclinical test under GMP/GLP, ready for clinical trial
- Have you discussed the topic with your NCP? Not yet
- Other?
Your idea:

- Main objective: Development of tendon with smart functionalized graphene oxide nanobiomaterials scaffold, enhanced with growth factors and fat stem cells extracted from patient within operating time.
- Coordinator’s name: Professor Alexander Seifalian
- Current partners: Pharmidex
- Partner gap/s in the consortium (profile of the sought partner and role): GMP manufacturing, GLP testing, characterization
- Who to contact: Alexander Seifalian, alex@nanoregmed.com, +447985380797