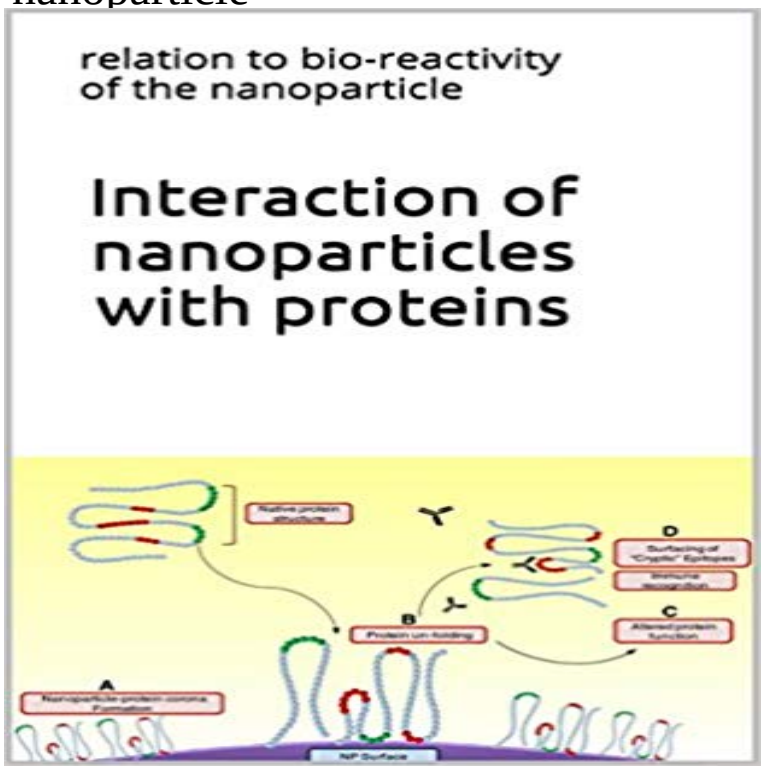
Interaction of nanoparticles with proteins: relation to bio-reactivity of the nanoparticle



Interaction of nanoparticles with proteins is the basis of nanoparticle bio-reactivity. This interaction gives rise to the formation of a dynamic nanoparticle-protein corona. The protein corona may influence cellular uptake, inflammation, accumulation, degradation and clearance of the nanoparticles. Furthermore, the nanoparticle surface can induce conformational changes in adsorbed protein molecules which may affect the overall bio-reactivity of the nanoparticle. In depth understanding of such interactions can be directed towards generating bio-compatible nanomaterials with controlled surface characteristics in a biological environment. The main aim of this review is to summarise current knowledge on factors that influence nanoparticle-protein interactions and their implications on cellular uptake.

Agradable ruta realizada junto al Bilbao Alpino que parte desde la localidad alavesa de Guinea, en la vertiente Sur de la sierra de Arkamo y que discurre por las cimas de Olvedo, Pelistornes y Cantoblanco.
Desde Guinea el camino es muy evidente, ya que las dos primeras cimas están muy cerca y separadas por un pequeño collado. Su subida es corta y casi directa y está señalizada justo a la salida del pueblo.
Al Olvedo se llega relativamente rápido. A pesar de que las nubes a veces nos impiden apreciar las vistas, el paisaje se intuye precioso.
2017-01-22_10-36-17
Para pasar del Olvedo al Pelistornes tan sólo tenemos que cruzar el collado y llegaremos en apenas 10 minutos a nuestra segunda cima del día.
2017-01-22_10-53-02
Una vez coronadas las cimas anteriores hay que continuar la travesía en dirección a la al Cantoblanco, que se asciende tras un durillo cortafuegos.
20170122_123405
Desde la cima tenemos justo en frente el Montemayor, máxima altura de la vecina sierra de Arkamo.2017-01-22_13-00-09
Finalmente, iniciamos el descenso hacia la curiosa localidad de Salinas de Añana…
20170122_142807
…donde podremos completar la ruta con una visita a las propias Salinas.
20170122_142812
Una ruta de unos 15 kilómetros sin dificultades reseñables. Únicamente se hace necesaria logística de vehículos. De no tener esta facilidad entonces es mejor realizar únicamente la subida al Olvedo y Pelistornes.
Tu voto:
Publicado en Araba, Rutas fáciles | Deja un comentario
Los Retos de 2017
Publicado el 01/24/2017 por 12meses12montes

Bueno, un nuevo año que ha pasado y uno nuevo que acaba de comenzar. 2016 fue un año muy intenso, si bien los retos que nos marcamos en un principio sólo se vieron cumplidos en una tercera parte. No fue un buen año para ellos, ésta vez la alineación de planetas se generó en pocas ocasiones.
Sin embargo, no decaemos. Cogemos el testigo y no vamos a desistir en su intento, por lo que los retos que no conseguimos cumplir en 2016 serán los que tratemos de realizar en 2017, más algunos otros, a ver qué os parecen. Seguir leyendo

Interaction of nanoparticles with proteins: relation to bio-reactivity of Saptarshi SR, Duschl A, Lopata AL, Interaction of nanoparticles with proteins: relation to bio-reactivity of the nanoparticle, J Nanobiotech. 2013, 11:26. 26. **Interaction of nanoparticles with proteins: relation to bio-reactivity of** Interaction of nanoparticles with proteins is the basis of nanoparticle bio-reactivity. This interaction gives rise to the formation of a dynamic **Interaction of nanoparticles with proteins: relation to bio-reactivity of** 140. Saptarshi SR, Duschl A, Lopata AL. Interaction of nanoparticles with proteins: relation to bio-reactivity of the nanoparticle. J Nanobiotechnology 201311:26. **Silver nanoparticle protein corona and toxicity: a mini-review** Understanding the nanoparticleprotein corona using methods to quantify exchange Interaction of nanoparticles with proteins: relation to bio-reactivity of the **Interaction of nanoparticles with proteins: relation to bio-reactivity of** Interaction of nanoparticles with proteins is the basis of nanoparticle bio-reactivity. This interaction gives rise to the formation of a dynamic **Interaction of nanoparticles with proteins: relation to bio-reactivity of** Formation and Characterization of the Nanoparticle-Protein Corona Interaction of Nanoparticles With Proteins: Relation to Bio-Reactivity of the Nanoparticle. **Case Studies in Nanotoxicology and Particle Toxicology - Google Books Result** Publikationsserver. Saptarshi, Shruti R.: Interaction of nanoparticles with proteins : relation to bio-reactivity of the nanoparticle. . In: Journal of Nanobiotechnology **Size-Dependent ProteinNanoparticle Interactions in Citrate** This understanding of interaction between nanoparticles and proteins represents an important essence for .. adsorbed protein thus affecting the overall bio-reactivity of the NP [2 . ction of nanoparticles with proteins: relation to bio- **Formation and Characterization of the Nanoparticle-Protein Corona** Nanoparticle size and surface properties determine the protein corona with possible . Interaction of nanoparticles with proteins: relation to bio-reactivity of the **Nanotechnology in Agriculture and Food Science - Google Books Result PubMed Result - NCBI** Abstract: Interaction of nanoparticles with proteins is the basis of nanoparticle bio-reactivity. This interaction gives rise to the formation of a dynamic **Micro- and Nanotechnology in Vaccine Development - Google Books Result** Stable nanoparticle aggregates/agglomerates of different sizes and the effect of Lopata A. Interaction of nanoparticles with proteins: relation to bio-reactivity of **Interaction of nanoparticles with the cellular interface. NPs interact** Could nanoparticle corona characterization help for biological .. Interaction of nanoparticles with proteins: relation to bio-reactivity of the **Factors Governing Protein Corona Formation on Nanoparticles and** Interaction of nanoparticles with proteins: relation to bio-reactivity of the nanoparticle. J. Nanobiotechnology 11, 26. Schleh, C., Semmler-Behnke, M., Lipka, J., Interaction of nanoparticles with proteins is the basis of nanoparticle bio-reactivity. This interaction gives rise to the formation of a dynamic nanoparticle-protein corona. The protein corona may influence cellular uptake, inflammation, accumulation, degradation and clearance of the nanoparticles. **A review on Nanoparticle and Protein interaction in - ResearchGate** NPs interact from publication Interaction of nanoparticles with proteins: Relation to bio-reactivity of the nanoparticle on ResearchGate, the professional **Interaction of nanoparticles with proteins: Relation to bio-reactivity of** This understanding of interaction between nanoparticles and proteins represents an important . nanoparticles with bio molecules, with special emphasis .. reactivity of specific NPs. .. ction of nanoparticles with proteins: relation to. **Cancer Nanotheranostics: What Have We Learned So Far?: - Google Books Result** Interaction of nanoparticles with proteins: relation to bio-reactivity of the nanoparticle. Author. Shruti Saptarshi. connect to download. Get pdf. **Nanostructures for Antimicrobial Therapy - Google Books Result** Neuroprotective and neurorescue effects of a novel polymeric nanoparticle formulation Interaction of nanoparticles with

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