

Curriculum Vitae di Mario Nicodemi

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ATTIVITA’ DIDATTICA

Ho tenuto numerosi corsi e lezioni presso università italiane e all’estero. Alla *Federico II*, in particolare, tengo i corsi di *Sistemi Complessi* e di *Fisica Moderna* rispettivamente presso la Laurea Magistrale e Triennale in Fisica.

ATTIVITA’ DI GESTIONE

Coordino il *Gruppo IV* (Fisica Teorica) della Sezione dell’*Istituto Nazionale di Fisica Nucleare (INFN)* di Napoli e l’Iniziativa Specifica Nazionale “*Fisica Biologica*” dell’*INFN*. Presso la *Federico II* sono nel Collegio di Dottorato in Fisica e coordino la Task Force d’Ateneo su *Biologia Computazionale e Quantitativa*. Sono stato membro di diversi panel e progetti internazionali per la gestione della ricerca e delle sue risorse, incluso l’*Agence Nationale de la Recherche* in Francia, il consorzio *The 4D Nucleome* del National Institute of Health (*NIH*) negli USA, e il *Berlin Institute for Health* in Germania. Ho ottenuto numerosi finanziamenti per la ricerca a livello nazionale e internazionale (p.es. EU, USA, DE).

ATTIVITA’ DI RICERCA

Il mio gruppo di ricerca lavora nel campo della *Meccanica Statistica dei Sistemi Complessi in Fisica*, in particolare su sistemi vetrosi e materiali granulari, e delle sue applicazioni alla *Biologia Molecolare*, sulla regolazione e organizzazione del genoma dei mammiferi, combinando modelli di fisica, simulazioni al computer e analisi di dati sperimentali. Ho pubblicato su riviste internazionali (incluso *Nature*, *PNAS*, *PRL*) circa 150 *articoli* scientifici con circa 6500 *citazioni* (*h-index Google=44*).

ELENCO PUBBLICAZIONI SCIENTIFICHE

Principali articoli su rivista

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