

Soliciting Projects on Big Health

1. Anti-aging medicine/nutritional supplements/food
 - 1.1. Identification, clinical testing and manufacturing of the active ingredients from plants/traditional Chinese medicines
 - 1.2. Delivery system of the anti-aging compounds
2. Drug Discovery and Development
 - 2.1. Anti-microbial medicines for unmet medical needs (in particular, new antibiotics for bacteria that resistance to colistin)
 - 2.2. Development of 505(b)(2) drugs (better delivery system, new applications and modified active ingredients of known drugs)
 - 2.3. Biomaterials for health protection, drug delivery, and regenerative medicine
3. Medical devices, *in vitro* Diagnostics and Medical Big Data
 - 3.1. Non-invasive detection methods for monitoring key health indicators, especially the point of care devices
 - 3.2. Automatic sampling of medical specimen
 - 3.3. Device and methods to identify, capture, and culture of circulating tumor cells
 - 3.4. Detection methods for circulating DNA/RNA/exosomes etc.
 - 3.5. Integration of microfabrication technology and nanotechnology for better diagnostics development.
 - 3.6. Reagents and test kits for *in vitro* diagnostics.
 - 3.7. Bioinformatics platforms/software/algorithms for -omics data and medical data (data sorting, integrating, and mining).