

Drug Interaction Analysis And Management

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Drug design

functions, the protein-ligand interaction and compound 3D structure information are used for analysis. For structure-based drug design, several post-screening

Drug design, often referred to as rational drug design or simply rational design, is the inventive process of finding new medications based on the knowledge of a biological target. The drug is most commonly an organic small molecule that activates or inhibits the function of a biomolecule such as a protein, which in turn results in a therapeutic benefit to the patient. In the most basic sense, drug design involves the design of molecules that are complementary in shape and charge to the biomolecular target with which they interact and therefore will bind to it. Drug design frequently but not necessarily relies on computer modeling techniques. This type of modeling is sometimes referred to as computer-aided drug design. Finally, drug design that relies on the knowledge of the three-dimensional...

Risk management

Risk management is the identification, evaluation, and prioritization of risks, followed by the minimization, monitoring, and control of the impact or

Risk management is the identification, evaluation, and prioritization of risks, followed by the minimization, monitoring, and control of the impact or probability of those risks occurring. Risks can come from various sources (i.e, threats) including uncertainty in international markets, political instability, dangers of project failures (at any phase in design, development, production, or sustaining of life-cycles), legal liabilities, credit risk, accidents, natural causes and disasters, deliberate attack from an adversary, or events of uncertain or unpredictable root-cause. Retail traders also apply risk management by using fixed percentage position sizing and risk-to-reward frameworks to avoid large drawdowns and support consistent decision-making under pressure.

There are two types of events...

European Coalition for Just and Effective Drug Policies

counterpart to the European Monitoring Centre on Drugs and Drug Addiction. However, the Management Board of the EMCDDA later decided to ignore any NGO

The European Coalition for Just and Effective Drug Policies (ENCOD), originally European NGO Council On Drugs and development, is a network of European non-governmental organisations and citizens concerned with the impact of current international drug policies on the lives of the most affected sectors in Europe and the Global South.

Since 1994 they have been working to advocate more just and effective drugs control policies, which include an integrated solution for all problems related to the global drugs phenomenon.

Static program analysis

that program. Technology Level Analysis that takes into account interactions between unit programs to get a more holistic and semantic view of the overall

In computer science, static program analysis (also known as static analysis or static simulation) is the analysis of computer programs performed without executing them, in contrast with dynamic program analysis, which is performed on programs during their execution in the integrated environment.

The term is usually applied to analysis performed by an automated tool, with human analysis typically being called "program understanding", program comprehension, or code review. In the last of these, software inspection and software walkthroughs are also used. In most cases the analysis is performed on some version of a program's source code, and, in other cases, on some form of its object code.

Transactional analysis

Transactional analysis is a psychoanalytic theory and method of therapy wherein social interactions (or "transactions") are analyzed to determine the

Transactional analysis is a psychoanalytic theory and method of therapy wherein social interactions (or "transactions") are analyzed to determine the ego state of the communicator (whether parent-like, childlike, or adult-like) as a basis for understanding behavior. In transactional analysis, the communicator is taught to alter the ego state as a way to solve emotional problems. The method deviates from Freudian psychoanalysis, which focuses on increasing awareness of the contents of subconsciously held ideas. Eric Berne developed the concept and paradigm of transactional analysis in the late 1950s.

Drug court

frequent drug testing (including alcohol) A coordinated strategy governs drug court responses to participants' compliance Ongoing judicial interaction with

Drug courts are problem-solving courts that take a public health approach to criminal offending using a specialized model in which the judiciary, prosecution, defense bar, probation, law enforcement, mental health, social service, and treatment communities work together to help addicted offenders into long-term recovery. Instead of punishment, their purpose is to address one of the underlying drivers of crime and, in the process, reduce the use of imprisonment, potentially leading to substantial cost-savings. Drug courts aim to do this by incentivizing or mandating offenders into addiction treatment combined with frequent drug testing and regular monitoring by the judge.

Drug overdose

a descriptor for adverse drug reactions or negative drug interactions due to mixing multiple drugs simultaneously. Signs and symptoms of an overdose vary

A drug overdose (overdose or OD) is the ingestion or application of a drug or other substance in quantities much greater than are recommended. Typically the term is applied for cases when a risk to health is a potential result. An overdose may result in a toxic state or death.

Business process management

relevant humans and other tasks in a workflow to a relevant automated system. More recent variations such as "human interaction management" are concerned

Business process management (BPM) is the discipline in which people use various methods to discover, model, analyze, measure, improve, optimize, and automate business processes. Any combination of methods used to manage a company's business processes is BPM. Processes can be structured and repeatable or unstructured and variable. Though not required, enabling technologies are often used with BPM.

As an approach, BPM sees processes as important assets of an organization that must be understood, managed, and developed to announce and deliver value-added products and services to clients or customers. This approach closely resembles other total quality management or continual improvement process methodologies.

ISO 9000:2015 promotes the process approach to managing an organization.

...promotes...

Drug discovery

advances. The idea that the effect of a drug in the human body is mediated by specific interactions of the drug molecule with biological macromolecules

In the fields of medicine, biotechnology, and pharmacology, drug discovery is the process by which new candidate medications are discovered.

Historically, drugs were discovered by identifying the active ingredient from traditional remedies or by serendipitous discovery, as with penicillin. More recently, chemical libraries of synthetic small molecules, natural products, or extracts were screened in intact cells or whole organisms to identify substances that had a desirable therapeutic effect in a process known as classical pharmacology. After sequencing of the human

genome allowed rapid cloning and synthesis of large quantities of purified proteins, it has become common practice to use high-throughput screening of large compound libraries against isolated biological targets which are hypothesized...

Pharmacoinformatics

management systems that help the pharmacist safe decisions about patient drug therapies with respect to, medical insurance records, drug interactions

Drug discovery and development requires the integration of multiple scientific and technological disciplines. These include chemistry, biology, pharmacology, pharmaceutical technology and extensive use of information technology. The latter is increasingly recognised as Pharmacoinformatics. Pharmacoinformatics relates to the broader field of bioinformatics.

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