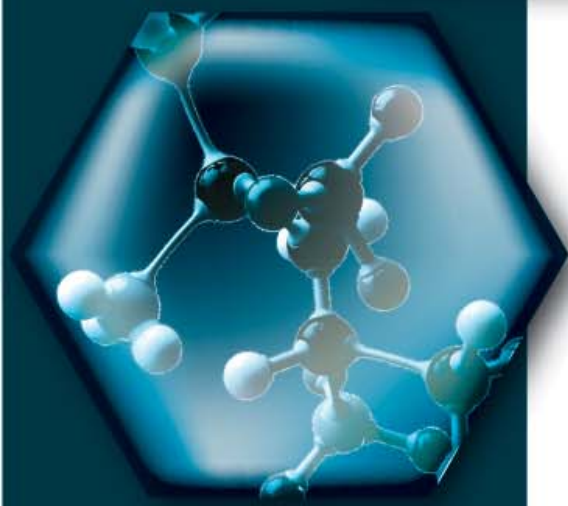
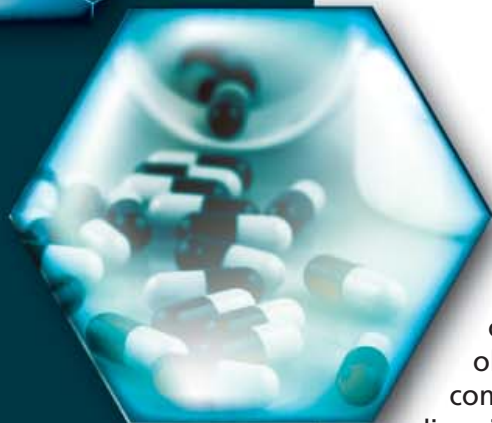
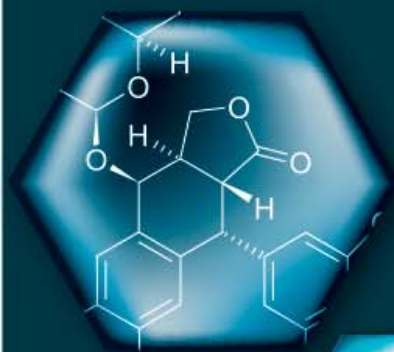


Aims and Scope



Future Medicinal Chemistry

...the intersection of chemistry, biology and medicine...

Medicinal chemistry has evolved rapidly into a highly interdisciplinary field, enriched by the collaborative efforts of experts from a wide spectrum of specialist areas, from chemoinformaticians and physical chemists to molecular biologists. Future Medicinal Chemistry provides a platform for commentary, analysis and debate for this ever-expanding and diversifying community.

The journal addresses all aspects of medicinal chemistry, from the discovery, design and synthesis of novel bioactive compounds, through to the delivery and targeting of therapeutic agents. Where relevant, input from allied disciplines is also included, incorporating coverage of fields such as biotechnology, enzymology, genomics, immunology, inorganic medicinal chemistry, natural product chemistry, materials chemistry, pharmacogenomics, proteomics and toxicology.

Each monthly issue contains Reviews, Original Research, Commentaries, Interviews, Perspectives, Conference Reports and more.

By remaining highly responsive to emerging themes, and providing in-depth analysis of specific drug classes and therapeutic approaches, the journal will act as a reference, not only for medicinal chemists, but for all scientists with an interest in pharmaceutical development. The title's international audience will ensure the widespread visibility and high impact of research, thereby promoting the cross-fertilization of ideas.

There has never been more pressure to produce potent and safe compounds faster and more efficiently. Future Medicinal Chemistry highlights milestones in drug development and delivers expert commentary and analysis on emerging research, pointing the way for the establishment of new medicines – from the identification of targets, through to the synthesis and evaluation of putative therapeutic entities.

Principle themes include:

- Drug discovery technologies, including HTS and combinatorial chemistry
- Rational design and synthesis of lead compounds and modification of novel biologically active molecules
- Overviews of compounds and compound classes in development
- Computational and 'virtual' approaches in synthesis and modelling
- Therapeutic strategies and emerging targets
- Biological evaluation of compounds
- Drug targeting and delivery, such as prodrug/co-drug strategies
- Molecular interaction and recognition studies (e.g., site-directed mutagenesis)
- Studies involving the use of NMR, X-ray crystallography, CD and other biophysical techniques
- Structural basis for in vitro/vivo mechanisms of action and molecular recognition (e.g., drug-receptor interactions)
- Translational medicine and pharmacogenomics in medicinal chemistry
- ADME/Tox investigations
- Intellectual property issues