



Medicinal Chemistry

Medicinal Chemistry And Drug Discovery

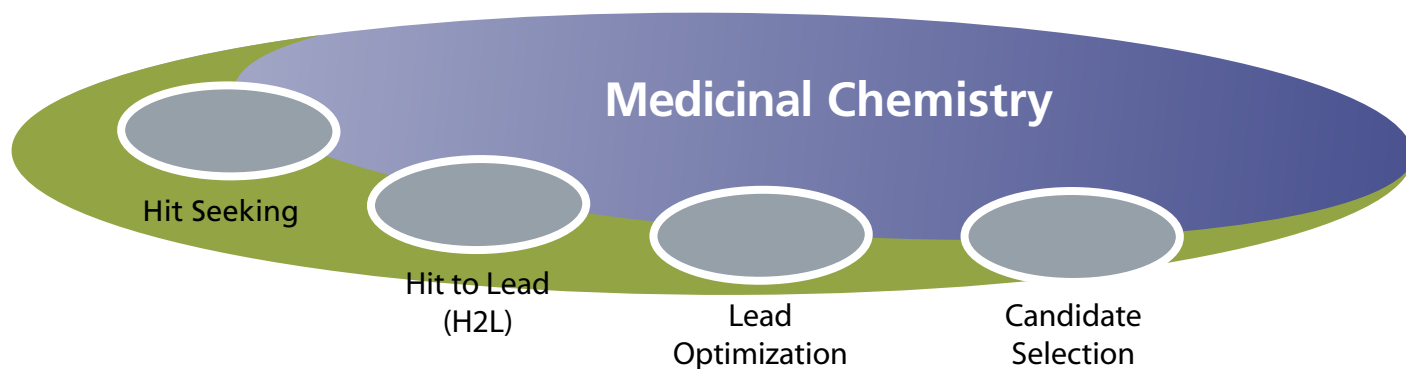
The SCYNEXIS medicinal chemistry and drug discovery team has a reputation equaling the very best in the global pharmaceutical discovery industry. Our team has the size and experience to handle projects of any complexity and members have been involved in the selection of multiple candidates across a variety of therapeutic areas in both human and animal health.

The complex process of transforming a hit into a clinical candidate requires a broad range of technical skills and capabilities. SCYNEXIS seamlessly integrates Medicinal Chemistry, Computational Chemistry, Analytical Chemistry, ADMET-PK and Bioanalytical Chemistry into SCYNEXIS Research Teams that focus these disciplines to meet very specific, timeline-driven project demands. Solving the most

complex challenges is our specialty as more than half of the SCYNEXIS medicinal chemistry staff members hold Ph.D. degrees. SCYNEXIS supports these problem solvers' efforts with HEOS®, a SaaS, secure, web-based software platform for drug discovery collaborations.

Selected Expertise Areas

- | | |
|------------------------------|------------------------------|
| Natural Product Optimization | Oncology |
| Antifungals | Kinases |
| Antivirals | Inflammation |
| Antibacterials | Pain |
| Antiparasitics | Central Nervous System (CNS) |
| Nuclear Hormones | Ophthalmology |
| Ion Channels | Prodrugs |



SCYNEXIS Research Teams:

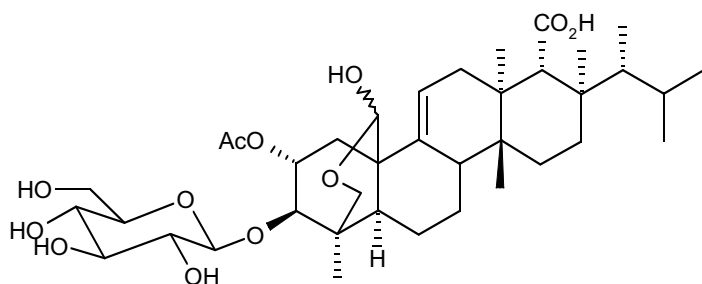
The Research Team leaders are knowledgeable scientists with years of industry experience and keen project and program management skills. Above all else, they are experts at coordinating and communicating key activities while effectively driving the necessary resources to achieve success. A SCYNEXIS Research Team is composed of a fully-integrated ADMET-PK group to provide customers with fast and efficient decision support to medicinal chemists for rapid hit seeking, H2L, lead optimization and candidate selection. Our Research Teams act as an assimilated extension of our clients' R&D organizations. The teams are enabled with SCYNEXIS' powerful proprietary technologies such as HEOS® Software Suite and MEDCHEM-FACTORY®. Our record of success is exemplified by the 11 preclinical candidates discovered and/or optimized by SCYNEXIS since 2005.

The SCYNEXIS Advantage:

- HEOS® (Hit Explorer Operating System):
HEOS® is a SaaS secure web-based drug research information management software platform that supports geographically-distributed scientists and facilitates collaboration.
- MEDCHEM-FACTORY®:
High-throughput synthesis and purification
- Computation Chemistry Expertise:
Predictive physicochemical properties, homology modeling and receptor docking and QSAR
- ADMET-PK Expertise:
Fully-integrated team to determine *in vitro* ADME, bioavailability and full pharmacokinetic (PK) profile.

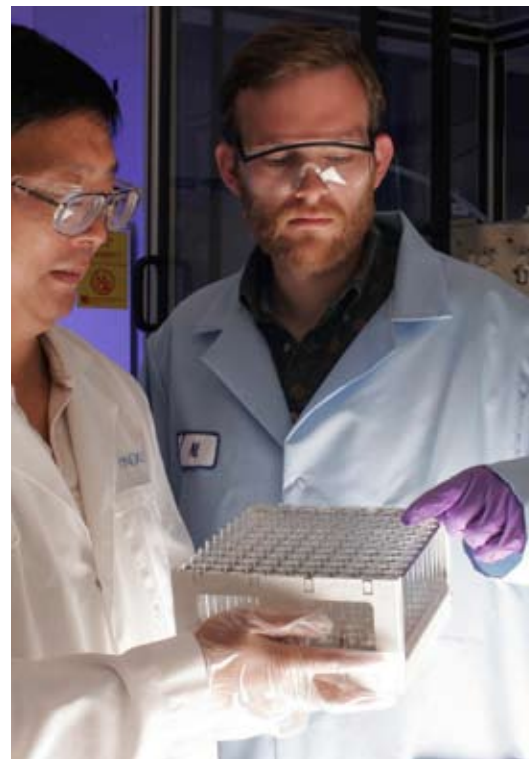
Selected Achievements:

- Multiple antifungal candidate selection programs leading to milestone payments and potential royalties
- Optimized a non-bioavailable natural product into an orally effective drug candidate
- Advanced a hit (5 micromolar) to a 20 nanomolar enzyme inhibitor in a four-month time frame
- Addressed and improved the stability and solubility liabilities in a series leading to an accepted backup compound



Core Capabilities

- Multiple Candidate Selections
- Lead Optimization Experts
- Lead Generation Libraries
- Virtual Screening
- Pharmacophore Design
- QSAR Analysis
- Structure Based Design
- Rapid ADMET-PK Profiling



From Concept To Clinic With Speed And Innovation™

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