



# Strategies and Techniques for Identification of NOVEL BIOACTIVE COMPOUNDS

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### MOLECULAR DIVERSITY AND LIBRARY DESIGN

Novel Combinatorial Chemistry for Drug Lead Discovery  
*Dr. Petr Kocis, Zeneca Pharmaceuticals*

The Design and implementation of Focused Libraries for Lead Expansion and Optimization: A Toolbox Approach  
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Pharmaceuticals Molecular Diversity Preservation and Exploitation: Worldwide Chemical Samples Collection for Bioactivity Screenings  
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Accelerating Discovery and Development of Bioactive Compounds Through an Integrated Biocatalytic/Chemical Approach  
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Strategies and Technologies for Lead Optimization  
*Dr. Jonathan Frost, Synthelabo Recherche*

In Vivo Leads from Diverse Libraries: New Diversity Approaches  
*Dr. Ferenc Darvas, ComGenex Ltd.*

### COMBINATORIAL SYNTHESIS

New Solid Phase Chemistry: Versatile Resin-Bound Synthons and Traceless Linkers  
*Dr. Andrea Missio, GlaxoWellcome Medicines Research Center*

Synthesis on a Chip  
*Dr. Shelia DeWitt, Orchid Biocomputing, Inc.*

Recent Experiences in Lead Discovery Using Solid-Phase Chemistry  
*Dr. Andrew Baxter, Astra Charnwood*

New Resins and Linkers for Combinatorial Synthesis  
*Professor Mark Bradley, University of Southampton*

Advances in Parallel Synthesis  
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Chips, Cubes, and Tubes: Taking Library Generation to the Next Level

*Dr. Aubrey J. Mendonca, Irori Quantum Microchemistry*

Novel Building Blocks, Polymer-Supported Reagents, and Synthetic Strategies for the Synthesis of Small-Molecular-Weight Compound Libraries

*Dr. Daniel Obrecht, POLYPHOR Ltd.*

An Open Specification for High-Throughput Organic Chemistry

*Dr. Patrick Coffey, Biotage Division of Dyax Corporation*  
*Dr. Janice Ramieri, Biotage Division of Dyax Corporation*

### HIGH-THROUGHPUT SCREENING

New FCS-Based Readout Technologies for Miniaturized, High-Throughput Applications

*Dr. Karsten Henco, EVOTEC BioSystems*

Novel Lead Generation Through Integrated Target Discovery and HTS

*Dr. Simon Forgarty, Cambridge Drug Discovery Ltd.*

Integrated Discovery with a Novel Automation Concept for HTS

*Dr. Helmut Kessmann, Discovery Technologies Ltd.*

Informatics for HSS and HTS at Novartis Crop Protection

*Dr. Dieter Poppinger, Novartis Crop Protection AG*

### COMPUTATIONAL METHODOLOGIES AND CHEMOINFORMATICS

Practical Aspects of the Design and Synthesis of Combinatorial Libraries

*Dr. Peter Hecht, Tripos GmbH*

Drug Discovery Through Synergy: The Full Integration of Chemistry and Informatics

*Dr. Nick Jones, Cambridge Combinatorial Ltd.*

Integration of Combinatorial Chemistry and Structure-Based Drug Design

*Dr. Steve Gallion, ArQule, Inc.*  
*Dr. Jochen Antel, Solvay Pharma*

Similarity and Dissimilarity: A Medicinal Chemist's View

*Dr. Hugo Kubinyi, Drug Design, BASF AG*

Design, Analysis, and Comparison of Combinatorial Libraries

*Dr. Alain Calvet, Parke-Davis Pharmaceutical Research*



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