PRACTICAL ASPECTS OF DRUG DISCOVERY
At the Interface of Biology, Chemistry and Pharmacology

7 - 12 April 2019
Cape Town, South Africa

New to our overseas courses programme, this interactive, lecture- and discussion-based course will give scientists of all disciplines a broad introduction to the theoretical, practical and organisational aspects of small molecule and natural product drug discovery.

PROGRAMME
• Project management and organisation of multi-disciplinary projects
• Target discovery and validation
• Hit discovery options
• Phenotypic screening and mode of action elucidation
• Screening set assessment
• Screening cascades, assay development and quality control
• Data mining
• Introduction to pharmacokinetics
• Principles of compound optimisation and case histories
• In silico approaches to drug design
• Natural products – isolation, structure elucidation and optimisation

COURSE INSTRUCTORS
Greg Basarab H3D, University of Cape Town, South Africa
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Paul Wyatt WCAIR, University of Dundee, UK

GUEST SPEAKERS
Dalu Mancama CSIR, South Africa
Ozlem Tastan Bishop Rhodes University, South Africa
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APPLICATION & BURSARY DEADLINE
18 December 2018
Full details at: bit.ly/PADD2019