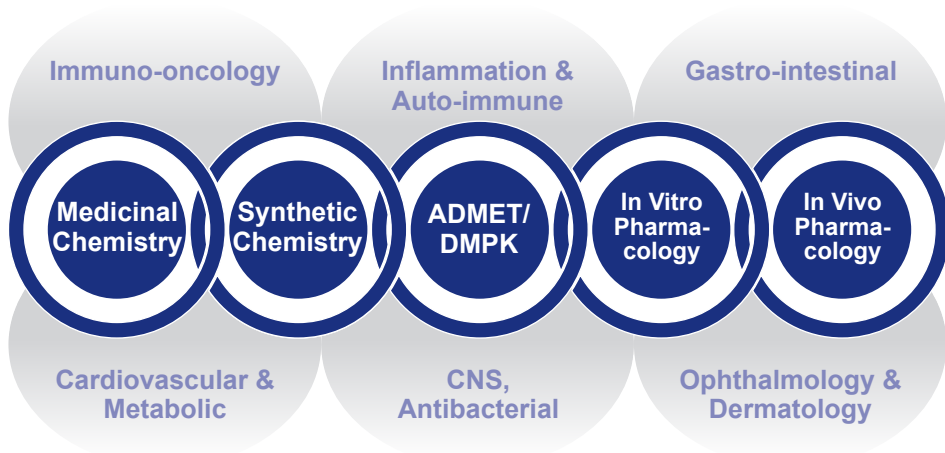


With three decades of GLP experience we strive to advance and accelerate your drug discovery programs cost-efficiently and with highly informed decisions towards the next critical milestone. We offer an unparalleled combination of experienced scientists and technological resources.

Eurofins Advinus has proven experience in drug discovery generating novel, first-in-class and fast follow-on drug candidates which have been instrumental for further successful preclinical and clinical developments. We were the first company from India to establish R&D alliances with companies such as Merck, J&J, Takeda, Novartis, Celgene, DNDi and also many Biotech.

- In-depth expertise across gene families
- High quality candidate generation
- Minimizing discovery time and costs at every step
- Flexible business models

## OUR DISCOVERY SERVICES



# DISCOVERY CHEMISTRY SERVICES



## Medicinal Chemistry with CADD

- Medchem assessment for new biological targets
- IP analysis and generation of new composition of matter
- Hit identification and expansion & Hit-to-Lead generation
- Lead Optimization & Preclinical Candidate Selection
- SBDD & FBDD, QSAR, vHT, physico-chemical properties calculation

## Synthetic Chemistry with Analytical Services

- Focused libraries, scaffolds & building blocks synthesis
- Synthesis of intermediates, reference and final compounds
- Route optimization and scale-up, chiral resolution
- Natural product analogs, carbohydrates, peptides, nucleic acids, PROTACs, pro-drugs, metabolites
- High performance purification, method development & validation



## ADMET/DMPK

- Solubility
- Partition coefficient determination
- Chemical & metabolic stability / metabolite trapping & identification
- Permeability
- P-gp and BCRP transporter inhibition & substrate identification
- CYP inhibition / reaction phenotyping / induction
- Plasma protein binding
- RBC partitioning
- In Vitro safety: Patch clamp, cytotoxicity, mini-Ames test
- Pharmacokinetic (PK) studies & scaling of preclinical PK to predict human PK
- Tissue distribution
- <sup>14</sup>C-ADME studies
- Bioanalytical services



# DISCOVERY BIOLOGY SERVICES

## In Vitro Pharmacology

### Molecular and Cell Biology

- Flow cytometry, FACS, RT PCR
- Immunological techniques
- Gene expression, recombinant DNA technologies
- Cloning, over expression and stable cell line generation in multiple expression systems
- Protein purification and characterization
- Enzyme assays / Radioligand binding assays / Selectivity assays / Functional assays
- Mechanism of Action & PD marker studies

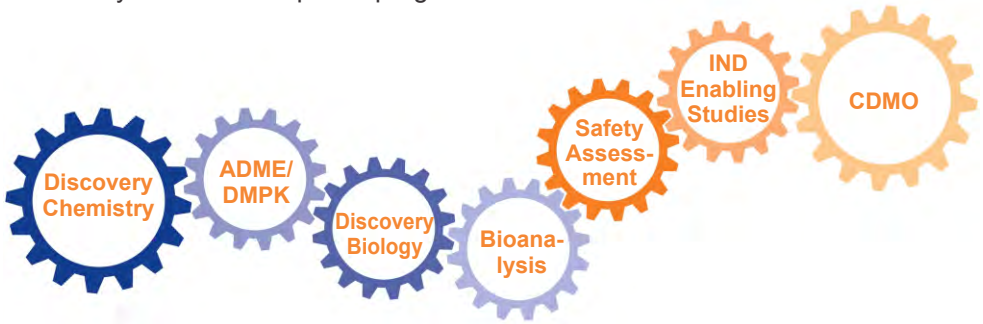
## In Vivo Pharmacology

- Pharmacodynamic and efficacy studies in all major therapeutic areas
- Supported by requisite histopathology, immunohistochemistry, clinical biochemistry, biomarker (qPCR, cytokines) by FACS/ELISA, western blot, immuno-pheno typing using FACS
  - Oncology/immune-oncology
  - Inflammation & auto-immune disease, dermatology (wound healing)
  - Fibrosis
  - CNS diseases
  - Pain (Liver, Lung & Kidney)
  - Metabolic diseases
  - Cardiovascular disease
  - Gastrointestinal diseases
  - Ophthalmology
  - Other new model development



# INTEGRATED DRUG DISCOVERY AND DEVELOPMENT SERVICES

We offer comprehensive range of services to support drug discovery, preclinical and early clinical development programs.



## **Eurofins Advinus Limited**

(Formerly Advinus Therapeutics Ltd.)

# 21&22 Phase II, Peenya Industrial Area,  
Bengaluru 560058, India  
E: [bd@advinus.com](mailto:bd@advinus.com)

T: +91-80-6655 2700  
W: [www.advinus.com](http://www.advinus.com)

Connect with us

