

DESIGN AND CELLULAR ENGINEERING

Research partner for cellular model design based on innovating approaches, TRANSAT puts **an outsourced research team** at its clients' service: engineers and Doctors of science working with the constant aim of improving the technologies, products and services.

- Strength that enables clients to see their projects proceed **more quickly** and **concentrate on their core business**
- **Customized services** that are fully adapted to specific needs and take account of **cost, deadline** and **performance** issues

SERVICES

- Customized cellular models - by RNAi & gene over expression
- Cellular transfection optimisation – small interfering RNAi (siRNA) & plasmids
- Cellular immortalization
- siRNA design & validation
- Assays Development & Screening platform
- Customized small hairpin RNA (shRNA) libraries

PRODUCTS

- Ready to use functionally validated shRNA libraries (targeting human kinases, phosphatases...)
- Ready to use cellular models (CHO, HeLa, 3T3, K562...)

- **Innovation** by means of Internal **Research & Development** programs and collaborations in the fields of RNAi, transfection, viral vectorology, cell imaging and bioinformatics...

TRANSAT A PARTNER WHICH TAKES UP YOUR CHALLENGES

Elucidating pathological mechanisms ...

- Discovery and identification of physiopathological **gene** activity, target validation
- Identification, characterisation and optimisation of **drug candidate** molecules, screening of selected molecules and evaluation of toxicity

...and developing tomorrow's therapies in cancerology; metabolic diseases: obesity, diabetes; cardiovascular diseases; virology; diseases of the Central Nervous System; dermatology.

TOGETHER FASTER AND FURTHER... E.G. SCIENTIFIC PROGRAMS OF INTERNATIONAL STATURE

- **Eurodia**: European integrated project (FP6) on the study of factors that influence the functioning of pancreatic beta cells for prevention and treatment of **type 2 diabetes**
- **GenObeCB1**: since April 2004, sanofi-aventis has put its trust in TRANSAT within the framework of a genome project for a therapeutic strategy for treatment of **obesity**
- **Inacancer / Oncocell**: understanding the mechanisms of formation of **epithelial cancers** by means of innovative cellular models and identification of therapeutic targets
- **Tumour identity card**: program supported by the "Ligue Nationale Contre le Cancer" for designing precise diagnostic tools and targeted therapies for each type of **tumour**

Mains partners:

- **Clean Cells**
(www.clean-cells.fr) complementarity in the validation and securitization of cellular models
- **DermScan**
(www.dermscan.com) a synergy of expertise for the development of tools in dermatology and cosmetics

QUALITY AT THE HEART OF OUR SERVICES

- Respect for the **confidentiality**
- A **study director** dedicated
- A customized protocol
- Internal procedures inspired by the principles of **Good Laboratory Practice (GLP)** adapted to both R&D and production activities and incorporating strict quality controls
- Project management per deliverable providing monitoring of **deadlines**
- **Interactive communication** with complete **transparency**

TRANSAT - Parc Technologique de Lyon - 8 allée Irène Joliot Curie - 69791 Saint-Priest Cedex - France
Phone: +33 (0)4 72 79 13 60 - Fax: +33 (0)4 72 79 13 61 - transat@biotransat.com - www.biotransat.com

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