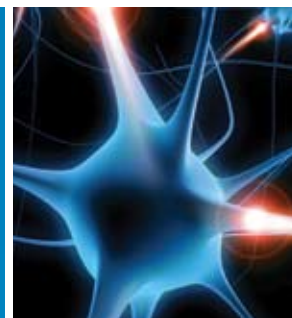


THE TRANSLATIONAL RESEARCH KNOWLEDGE BASE

INVESTIGATOR PORTAL®

A TRANSLATIONAL RESEARCH PORTAL PROVIDING SOLUTIONS FROM BENCH TO BEDSIDE



IN TODAY'S SCIENTIFIC INFORMATION OVERLOAD ENVIRONMENT...

...the amount of information is growing exponentially in all areas of disease and therapeutic research. Clinical and pre-clinical investigators need to streamline even further research and decision-making by locating reliable, accurate and relevant information, quickly and efficiently. *Investigator Portal* provides the ideal tool to optimize workflow in the translational research environment.

Investigator Portal arms the multidisciplinary translational research team, comprised of biologists, pharmacologists, geneticists, chemists, pharmacists, physicians, epidemiologists, biostatisticians and bioinformation technologists, with a new research tool to quickly retrieve reliable and timely data from multiple primary sources. *Investigator Portal* offers twelve fully integrated Knowledge Areas related to disease research and development of new therapeutic regimens, indispensable to investigators working in all stages of biomedical research.

Why Investigator Portal?

Traditionally, scientific disciplines were fairly discrete with individual-investigator teams working independently in isolation from other teams. Biologists studied the altered physiology of a disease state and to a certain extent its molecular basis (i.e., the genes and proteins involved), while chemists and pharmacologists worked in the laboratory to discover and develop new therapies based on chemical structures and clinicians finally entered the scene to perform Phase II-IV studies in the clinical setting.

Recent advances, however, have led to critical changes in how scientific research in these fields is conducted: biology, chemistry and medicine have converged to form a new scientific discipline — translation research.



Choose a search option

Investigator Portal allows you to conduct specific or general searches via a 'Quick Search' or 'Guided Search' and presents the results related to different Knowledge Areas.

Stream your results using the refining tools found on the right hand side of the page according to your search criteria and follow the links to primary source material.

In addition to a new organization of scientific research, multidisciplinary teams including professionals from basic science (genetists, biologists, chemists) to clinical research (clinical pharmacologists, physicians) have a new objective — to create personalized medicine that provides the right treatment for the right patient at the right moment.

Biology

- In-depth understanding of organizing biology: delineation of molecular pathways
- Novel tools for target validation
- Early Proof of Concept
- Better understanding of polymorphisms

Chemistry

- Indication discovery
- Small molecules libraries for screening new therapeutic leads
- Multiple therapeutic platforms
- Prediction of human drug metabolism, efficacy and toxicity of novel compounds

Medicine

- Personalized preventive medicine based on epidemiological studies and identification of biomarkers for diagnosis, prognosis, selection of treatment and prediction of efficacy and toxicity.



INVESTIGATOR PORTAL KNOWLEDGE AREAS



Therapeutic Targets and Pathways

Investigator Portal inspires research hypotheses...

“What are the potential therapeutic targets for treatment of patients with breast cancer?”

“What is the developmental status of all drugs indicated for colorectal cancer?”

“What ED-50 data have been reported for angiogenesis inhibitors in rats?”

“ As research has re-organized itself by integrating the scientific community into a single continuum of team members, *Investigator Portal* integrates and structures information from multiple sources and different knowledge areas into a single user-friendly portal. ”



Drugs & Biologics

Investigator Portal gets relevant information to you fast...

“What is the available data on pharmacokinetics for egfr blockers?”

“How do I find more information on ERBB2 gene studies and disease implication?”

“Which are the established and potential biomarkers for breast cancer?”



INVESTIGATOR PORTAL KNOWLEDGE AREAS (CONTINUED)

The screenshot shows the 'Experimental Pharmacology' section of the Investigator Portal. It features a search bar with the query 'agonists inhibitors and ad-22 and etc'. Below the search bar is a table with columns for Drug Name, Mechanism of Action, Target, and various activity metrics. A 'Pharmacological Activity' bar chart is overlaid on the bottom right of the table, showing activity levels for various drug classes.

Experimental Pharmacology

Investigator Portal improves research team efficiency...

“Does Investigator Portal offer direct links to primary source information?”

“I’d like an extended visual summary of the available data on cancer immunotherapy for my research colleagues.”

“Which organizations have patents associated with NF-K*?”

The screenshot shows the 'Genomics' section for the EGFR2 gene. It includes a table with columns for Gene Name, Synonyms, Other symbols, Organism, Link, Structure, Description, Experimental Approaches, and Disease Implication. An inset diagram titled 'EGFR/HER2 Signal Transduction Pathways' shows a cell with various organelles labeled: Mitochondria, Nucleus, Cytoplasm, Vesicle, Endoplasmic reticulum, Golgi complex, and Ribosome. The diagram illustrates the signaling pathway involving the EGFR/HER2 receptor family.

Genomics

Investigator Portal is supported by links to primary source material...

“What is the latest clinical trial data presented at the ASCO congresses on melanoma treatment?”

“What translational research results were presented at the last American Diabetes Association congress?”

“What are the adverse events associated with Cisplatin and with what incidence are they reported?”

Investigator Portal is available in the following areas:

- Oncology
- Cardiology
- Neurological disorders
- Respiratory diseases
- Digestive disorders
- Psychiatry
- Infectious diseases
- Urological disorders
- AIDS
- Diabetes

Updated daily

Investigator Portal is updated every working day of the year in order to keep our users at the head of their field.

CONTENTS & SOURCES OF INFORMATION

Investigator Portal is a comprehensive translational research tool that facilitates easy retrieval of critical information from pre-clinical and clinical research sources.

Twelve fully integrated Knowledge Areas include:

- Therapeutic Targets
- Drugs & Biologics
- Pharmacokinetics / Metabolism
- Adverse Events
- Experimental Pharmacology
- Intellectual Property
- Biomarkers
- Clinical Studies
- Genomics
- Literature
- Congresses
- Dynamic Monographs

User-friendly features enhance the ability to manage data in Investigator Portal:

- Easy-to-use Quick Search
- Time-saving Guided Search for complex or specific searches
- Direct links to primary source information such as PubMed, Clinicaltrials.org, EntrezGene, Swiss Prot, Protein Data Bank, patents, journals, FDA & EMEA filings
- Search results compiled, integrated and displayed in sortable table and list formats with graphic view options

Benefits for the translational researcher:

- Fosters better decision-making and optimizes workflow in the translational research environment
- Empowers knowledge-based research by making available refined data integrated in a single user-friendly, flexible tool
- Improves productivity and allows for more effective time management through quick access to key information
- Optimizes development of new treatment regimens by improving decision-making and organization and planning of clinical trials
- Promotes the creation of new hypotheses and sheds light on new theories

Sources of Information:

Patent Offices

- Updated content from the major national and international patent offices

Journals

- Over 1,500 selected journals covering new disease and treatment research findings

Scientific and Medical Congresses

- Freshly presented data from plenary sessions, oral symposia and posters from over 350 events per year

Regulatory Agencies

- Filings and other documentation from the major regulatory agencies: FDA (US), EMEA (Europe) and PMDA (Japan)

Contributor Network

- 500+ international collaborators from academia, research centers, scientific and medical associations, regulatory agencies and the healthcare industry

Find out more about Investigator Portal

How can a line of inquiry improve patient diagnosis and prognosis? Is a new hypothesis worth pursuing? How does a particular disease mechanism of action occur?

Investigator Portal delivers the integrated information that leads to more informed and precise decision-making and quicker action in the translational research environment. Whether you create hypotheses, evaluate scientific merit, develop new therapies, or monitor clinical progress, Investigator Portal lets you directly connect basic research to clinical care.

Contact the Thomson Reuters office nearest you

to discover the unique information and capabilities *Investigator Portal* can deliver to your clinical and pre-clinical team.

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AG0808085b

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