

Innovative Medicines Initiative

The right prevention and treatment for the right patient at the right time

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Key figures

- Founded in 1954 by Dr. J. Servier
- Presence in 140 countries worldwide
- More than 89 % of drug sales made internationally
- More than 20,000 employees worldwide with nearly 3,000 in R&D



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- Cardiovascular: hypertension, ischemic heart disease, heart failure, chronic venous disease
- Oncology

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- Rheumatology: osteoporosis, osteo-arthritis
- Metabolic diseases: type II diabetes
- Neurosciences: neurodegenerative diseases, psychiatric disorders



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A 20-year presence

EGIS SA

- 3000 empolyees
- Domestic market share 7.1%

Servier Research Institute of Medicinal Chemistry (SRIMC)

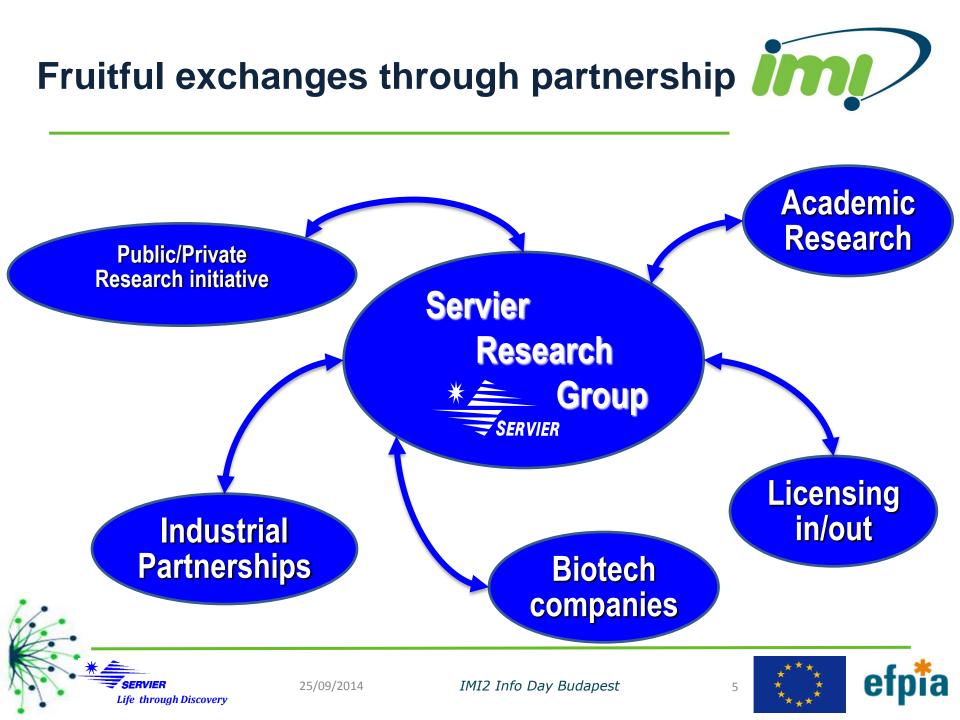
Local Center of Clinical Research (ICTR)













Newly started projects: APPROACH, PEX-BRB, PRECISEAD, SPRINT-T

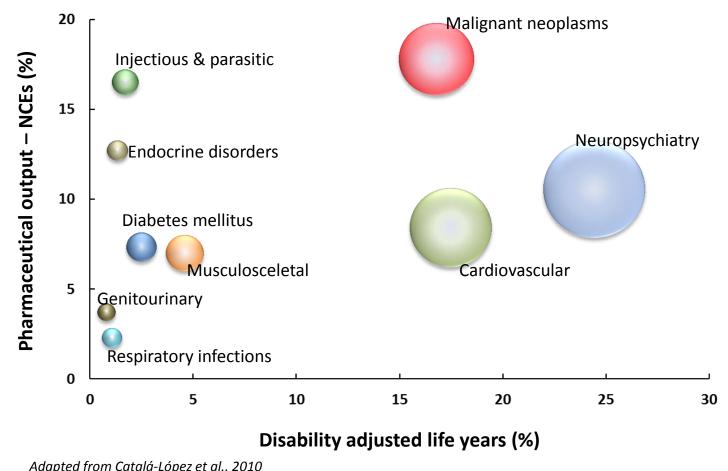






Burden ≠ **Investment**





Adapted from Catalá-López et al., 2010

Life through Discovery

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Key challenges



Challenge

Why do patients not respond well to current medication?

Question:

Can we identify groups of patients and medications that match better?





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through Discovery

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- A The scientific questions that remain unanswered e.g. in psychiatry are extremely complex
 - One organisation cannot solve the problem alone
- ▲ Need of platforms to join forces
 - IMI has successfully provided such platforms





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Improve access to clinical data

Research data are scattered among many small cohort studies

Electronic health registry data are not easily accessible

health insurance data Hospital data General practitioner registries Pharmacy registries





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Psychiatry database with data from 23 401 patients enrolled in 59 studies (data from Big Pharma)

4 week studies are sufficient

Antidepressant database with data from 12 217 patients enrolled in 39 trials (data from Big Pharma)

- females show less placebo response
- more males are included in trials



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Sadly,



Not yet changed the lives of patients suffering from Schizophrenia or depression

But we have:

- Gained insight into the biology of the disease
- Developed novel tools for drug discovery [animal models, human imaging]
- Developed a new web tool for analyses [image analysis, biomarker significance]







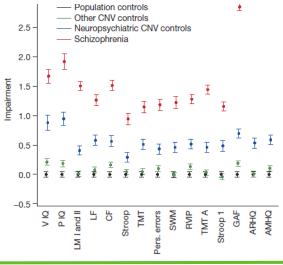




Collaboration between SME, Academia and Industry CNVs conferring risk of autism or schizophrenia affect cognition in controls

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- Cognitive abilities of CNV carriers are in between normal controls and schizophrenic patients
- Cognitive abnormalities are not necessarily consequences of the disease

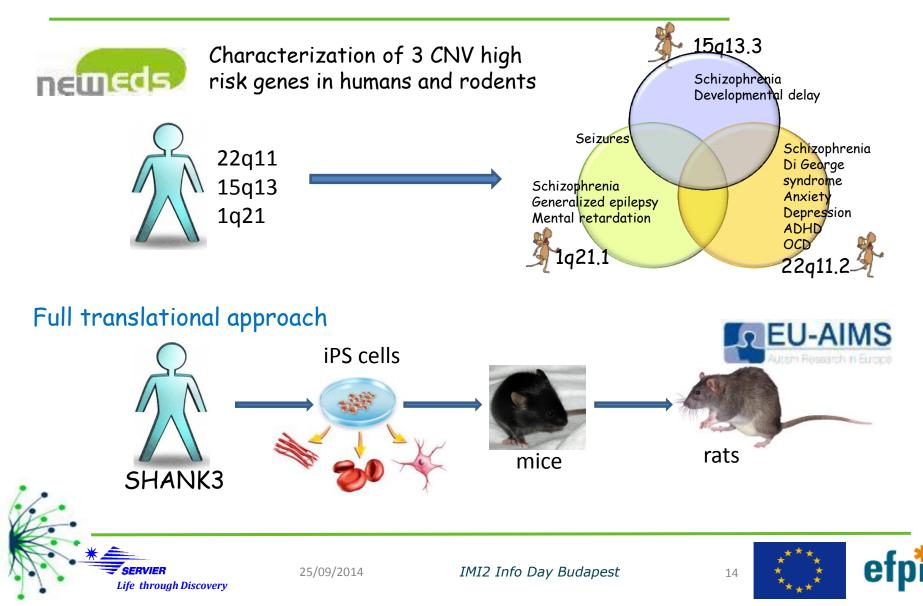














Examples from



Clinical network

- Building a large network of expert Autism Spectrum \mathbf{A} disorder (ASD) clinical research centers across Europe
- ▲ 78 sites in 37 countries
- Harmonization of diagnostic practice \mathbf{A}
- Creation of an interactive platform for ASD professionals and patients









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Development and validation of translational approaches for the advancement of novel therapies to treat ASD



Setting new standards in research and clinical development to aid the drug discovery process



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... grey matter, innovation!



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IMI2 Info Day Budapest





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