

## NEWFOUND PARTNERS' EXPERTISE

Examples of drug-repurposing activities that NewFound partners (FIOCRUZ, EATRIS, NCATS, & OSPF) have previously undertaken at their institutions are listed below.

Pillar	Example of previous drug-repurposing activities at partners' institutions
<b>Mentoring</b>	<ul style="list-style-type: none"><li>• Previous experiences in project mentoring<ul style="list-style-type: none"><li>• e.g. European Joint Programming in Rare Diseases (EJPRD)</li></ul></li><li>• Regulatory, legal and IP/tech transfer expertise<ul style="list-style-type: none"><li>• Resolving legal and strategic issues on intellectual property, including issues related to patents, agreements, and IP prospection.</li></ul></li><li>• Translational technology experts<ul style="list-style-type: none"><li>• regularly troubleshoot technical issues in screening, biology, medicinal chemistry, and non-clinical IND studies, as well as in area of virology and pharmacology</li></ul></li></ul>
<b>Open access data</b>	<ul style="list-style-type: none"><li>• Hosting pre-clinical and clinical data on open access data portals, examples include:<ul style="list-style-type: none"><li>• <i>Acra</i>: hosts all Fiocruz intellectual production (research papers, theses, technical reports, etc.)</li><li>• <i>NCATS OpenData Portal</i>: Open access to NCATS SARS-CoV-2 screening data, select variant therapeutic data from literature and animal models information</li><li>• <i>Translator data commons</i> with Transmart i2b2/NIH for TB and other neglected diseases</li></ul></li></ul>

## NEWFOUND PARTNERS' EXPERTISE

Examples of drug-repurposing activities that NewFound partners (FIOCRUZ, EATRIS, NCATS, & OSPF) have previously undertaken at their institutions are listed below.

Pillar	Example of previous drug-repurposing activities at partners' institutions
<b>GMP material acquisition</b>	<ul style="list-style-type: none"><li>• Help with strategy and match-making with manufacturers/sources</li></ul>
<b>IT tools</b>	<ul style="list-style-type: none"><li>• Establishing platforms for drug-related data &amp; target/lead identification for repurposing purposes</li><li>• Establishing knowledge graphs<ul style="list-style-type: none"><li>• e.g. Google Maps for Drug Discovery – an open AI tool to accelerate drug discovery for TB &amp; Chikunugunya</li></ul></li></ul>
<b>Stakeholder engagement</b>	<ul style="list-style-type: none"><li>• Community involvement<ul style="list-style-type: none"><li>• EJPRD: 24 EU reference network in 35 participating countries</li><li>• Regular engagement with rare disease research communities, public and private institutions and regulatory agencies. Examples include:<ul style="list-style-type: none"><li>• EMA &amp; other National Competent Authorities (MoU)</li><li>• European Patient Foundation (EPF)</li><li>• Anvisa (Brazilian regulatory agency)</li></ul></li></ul></li><li>• Drafting documents and workflows on entry/exit of partners, main principles, objectives, etc.</li></ul>

## NEWFOUND PARTNERS' EXPERTISE

Examples of drug-repurposing activities that NewFound partners (FIOCRUZ, EATRIS, NCATS, & OSPF) have previously undertaken at their institutions are listed below.

Pillar	Example of previous drug-repurposing activities at partners' institutions
<b>Clinical Trials</b>	<ul style="list-style-type: none"><li>• Connect with academic medical centers (e.g. 54 EATRIS academic medical centers)</li><li>• Conduct clinical trials in India, in collaboration with Govt. of India or other institutions<ul style="list-style-type: none"><li>• Running several repurposing clinical trials, including:<ul style="list-style-type: none"><li>• WHO solidarity</li><li>• Phase 2b trials to evaluate the antibacterial activity, pharmacokinetics, safety and tolerability of Metformin (a generic diabetes drug), in partnership with the National Institute of Research for Tuberculosis, India</li><li>• Has overall MoU regarding future clinical trial signed with NIRT</li></ul></li></ul></li><li>• Help engage with patient community</li></ul>
<b>Community, education and training</b>	<ul style="list-style-type: none"><li>• Education and training programs for translational sciences, innovation management, public policies for access in health</li><li>• Experience in establishing online trainings<ul style="list-style-type: none"><li>• e.g. EATRIS TransMed Academy (e-learning portal) and interactive training materials, online translational science courses</li></ul></li><li>• Host conferences<ul style="list-style-type: none"><li>• Global conferences on open source pharma</li></ul></li></ul>
<b>Wet lab facilities</b>	<ul style="list-style-type: none"><li>• Broad range of translational research lab activities:<ul style="list-style-type: none"><li>• HTS screening, hit-to-lead optimization, preclinical studies, pharmacology, toxicology, drug formulation, clinical trials</li></ul></li><li>• Collaboration with with academic, government, NGO and pharmaceutical companies</li></ul>