

## Cell Therapy Research Proposal Instructions for authors and Application form

**Cell Therapy Research Proposals** should focus on novel and innovative cell therapy/regenerative medicine approaches to treating disease.

The proposal should explain:

- What capabilities/expertise the submitter has in the cell therapy area
- How access to AstraZeneca resources will help
- The impact that the proposed work has on the field

We seek applications from drug discovery institutions interested in accessing subsets of screening libraries provided by AstraZeneca. Only projects within [our R&D focus areas](#) are eligible.

### Criteria for institutions or investigators applying for access to compound libraries:

1. Capability to perform the proposed experiments,
2. Willingness to sign an option agreement that provides AstraZeneca the right of first negotiation to exclusively license the lead series derived from any screening projects should the opportunity arise

*Please complete the template below, enlarging each section as needed. Include a few published references to support your proposal.*

<b>Cell Therapy Proposal Title</b> : <i>Descriptive Title</i>
<b>Hypothesis:</b> <i>Statement of the hypothesis for the biological target or mechanism in the specified human disease indication. Include non-confidential evidence as to why you believe this biological pathway is important in the disease area under investigation.</i>
<b>How can we partner:</b> <i>Please indicate what you are looking for from AstraZeneca (ie. Access to specific compounds for screening, access to a library of compounds, access to assays, etc)</i>
<b>Outline of Research Plan</b> <ul style="list-style-type: none"> <li>• <i>Specific aims including scientific rationale. The therapeutic area. Brief description of the target/pathway (including alternate names and GeneID) and therapeutic indication. Hypothesis linking the target to the disease (pharmacological and/or genetic).</i></li> <li>• <i>Context &amp; background. –Include supportive target validation &amp; disease linkage evidence</i></li> <li>• <i>Why would a therapy against this target be notably superior to what is now or soon will be available to patients? Why is this novel?</i></li> <li>• <i>Workplan proposal: Description of request from AstraZeneca (HTS, subset, fragment set, assays, other)</i> <ul style="list-style-type: none"> <li>• <i>Overview of the experimental plans, including rationale for choice of assays and endpoints for target validation and compound screening; description of how hits would be triaged; use of selectivity assays and assays demonstrating mechanism of action and target linkage to disease phenotype; and plans for chemistry optimisation of series</i></li> <li>• <i>For in vitro cell assays, provide details on any cell lines that will be used.</i></li> <li>• <i>Please include a clear strategy that demonstrates how you will progress from idea to validation with provided assets.</i></li> </ul> </li> <li>• <b>Does your work involve the use of animals?</b></li> </ul>

<ul style="list-style-type: none"> <li>• <b>Does your work involve the use of human tissue?</b></li> <li>• <i>Proposed next steps to advance your project beyond initial experiments. Include approximate timelines for completing the workplan. Demonstrate as required your current or anticipated source of funding.</i></li> </ul>
<p><b>Operational feasibility</b></p> <ul style="list-style-type: none"> <li>• What do you consider to be innovative about your proposal (<i>target linkage to disease, mechanism of modulation of target, novel assays, chemistry etc.</i>)?</li> <li>• What has been established already? By you or members of your team? What hasn't? [Note: <i>Innovative, novel approaches are welcome but will require supporting evidence</i>]</li> </ul>
<p><b>Capabilities of the investigator(s), their labs, institutions, collaborators</b></p> <ul style="list-style-type: none"> <li>• Biosketch of investigators</li> <li>• Other external support</li> </ul>
<p><b>Technology Transfer Office contact details</b></p> <ul style="list-style-type: none"> <li>• Full name:</li> <li>• Address:</li> <li>• Email:</li> </ul>

**Notes**

**Confidential information:** Please include only **non-confidential** in the concept proposal. If confidential data exists that would strengthen the proposal, the author may indicate that confidential information is available to share under a Confidential Disclosure Agreement (CDA). If AstraZeneca finds the non-confidential Concept Proposal sufficiently interesting, we will discuss about executing a CDA.

**Technology Transfer Office contact:** We request that you include in your application the name and contact details for your Technology Transfer Office. Preferably this should be an individual with whom you have already discussed your submission. Upon acceptance of your proposal, the contract can then be sent directly to this individual as well as to the submitter.

**Additional details:** During the submission process, additional details regarding the use of human tissue and/or animals may be requested.