| **Center for Drug Discovery** |
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| **Center for Drug Discovery Pilot Grant Program** **Application Form** |
| **PRINCIPAL INVESTIGATOR(S)** |  | **PI TITLE & DEPARTMENT** |  |
| **PROJECT TITLE** |  |  |
| **PROJECT TYPE** | \_\_\_ Small  molecule\_\_\_ Biologic | \_\_\_ High-Throughput Screening \_\_\_ Med Chem/SAR \_\_\_ In Vivo Proof of Concept \_\_\_ ADME/Pharmacokinetics \_\_\_ Other. Please Specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_  |  |

*Please address the items below. Not to exceed three (3) pages, including budget.*

**Therapeutic hypothesis**. *What coherent and supportable hypothesis is expected to convey therapeutic benefit? What data link the pathway/target to human disease*?

**Target defined**. *What is the drug target and understanding of the type of intervention desired*?

**Project status & enabling expertise**. *What is the current project status? What know-how, experience and/or expertise do you have that is not readily available to others*? *Has the proposed product or technology been disclosed to WashU OTM and/or licensed?*

**Competitor(s) or Partners**. *What is the current standard and what is being developed? What is your unfair advantage? What downstream partners might have interest in your work*?

**Proposed Investigation & Milestone(s).** *What work will be done? What are key points that serve as go/no go points along the way*?

**Project Funding.** *Is this project currently funded through other mechanisms? If so, please provide details. If not, how will the CDD Pilot Grant enable extramural funding applications?*

**Budget & Milestones** (Example shown below)

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| **Tranche # /** **Pre-Requisite** | **Specific activity** | **Funds required** | **Milestone Deliverable & Success Criterion** | **Delivery by** |
| Tranche 1 / no pre-requisite | Single Drug Dose Response in ABC model with Drug 1, Drug 2, Drug 3, Drug 4 | $25,000 | At least two drugs which show 15% reduction in liver ABC accumulation at non-toxic doses | 6 mo from NoA |
| Tranche 2 / pre-requisite: success in Tranche 1 and Quotes from CRO for PK | Drug pair testing of ideal concentrations in ABC model to assess synergy (Drug 1 and Drug 2, Drug 1 and Drug 2, Drug 3 and Drug 4) | $20,000 | At least one drug combination with a combination index of <1.0 via isobologram analysis and lack of toxicity | 10 mo from NoA |
| Tranche 3 / pre-requisite: success in Tranche 2 | Regulatory Analysis & Commercialization strategy for re-purposing pathway | $5,000 | Identification of a viable regulatory & commercial strategy leveraging IP to navigate clinical trials | 12 mo from NoA |
| ***Total (up to $50,000)*** | $50,000 |  |