Background

We are a pharmaceutical company with a worldwide footprint and are searching for new large animal models (such as pigs, monkeys and cats) for Autosomal dominant polycystic kidney disease (ADPKD). Although we are committed to reduce the usage of animals for Research & Development purposes as much as possible, alternative in vitro assays cannot replace those in vivo models completely yet. We would thus like to use such a large animal in vivo model for testing of drug candidates in parallel to our already established rodent models.

What we're looking for

We are looking for preclinical polycystic kidney disease models in pig, monkey and cat based on a mutation in the PKD1 gene in Autosomal dominant polycystic kidney disease (ADPKD). We are especially interested in models that are not published yet.

Our must-have requirements are:

- The total kidney volume and renal cyst volume must be measurable

Our nice-to-have requirements are:

- The validity of such a model is already shown by the application of human relevant drugs
- The alteration of clinical relevant kidney parameters (in urine or blood/plasma) is shown in this model

What's out of scope:

- Autosomal-recessive Polycystic Kidney Disease models
- Rodent and invertebrate models

Acceptable technology readiness levels (TRL): Levels 4-6

1. Basic principles observed
2. Concept development
3. Experimental proof of concept
4. Validated in lab conditions

5. Validated in relevant environment
6. Demonstrated in relevant environment
7. Regulatory approval
8. Product in production
9. Product in market

What we can offer you
Eligible partnership models:
- **Sponsored research**
- **Supply/purchase**
- **Licensing**

Benefits:
Sponsored Research
We are interested in follow-on research collaborations with relevant teams, including sponsored research or involvement of collaborators on a consultancy basis.

Compounds and Reagents
We might give access to certain tool compounds

Please contact the University of South Florida Technology Transfer office representative for submission - Roisin McNally at rmcnally@usf.edu.