
Baltimore PKD Research and Clinical Core Center (P30 DK090868)

Please complete this form to request use of Baltimore PKD Center Resources
Return via Email: twatnick@medicine.umaryland.edu or Fax: 410-706-2830

Principal Investigator:
Institution:
Address:

Phone:
Fax:
Email:

Indicate below the Core resources being requested:

CORE B - Antibody Validation and Vectorology

- A. Antibodies to Polycystin1, Polycystin2 or Fibrocystin. *Please specify in space provided.*
- B. Antibody Validation Kit. *Please specify in space provided.*
- C. Tagged Expression Vectors, PKD1, PKD2, Fibrocystin. *Please specify in space provided.*
- D. Custom Expression Vector. *Please specify in space provided.*
- E. Cell Lines:
 - Pkd1^{-/-} or Pkd2^{-/-} Murine Embryonic Fibroblasts MEFs. Please specify in space provided.*
 - MDCK/HEK Cell lines over-expressing PKD1, PKD2, Fibrocystin. Please specify in space provided.*
- F. Technical Assistance (Western Interpretation, protocol interpretation) *Please specify in space provided.*

CORE C - Murine Models and Biobank

- A. Request Murine Model. *Please specify in space provided.*
 - PKD1 conditional deletion and KSP-CRE*
- B. Tissue Specimens. *Specify murine model, tissue type, age of animal, blood or urine sample in space provided.*
- C. Pre-clinical therapeutic trial, *Specify details in the space provided.*
- D. Assistance with tissue fixation, staining protocol or histopathologic interpretation.

CORE D - Cell Engineering

- A. Conditional KO immortalized renal epithelial cell lines:
 - Pkd1^{cond/cond}; ROSA26R+ (requires transfection with Cre for KO [Ad-CMV-Cre; see website for link])*
 - Pkd2^{cond/cond}; ROSA26R+ (requires transfection with Cre for KO [Ad-CMV-Cre; see website for link])*
- B. GPS cleavage mutant cell lines:
 - *Pkd1^{lv} (knock in GPS cleavage mutant) with wild type matched control. Proximal tubule or distal tubule/collecting duct. Please specify kidney tubule segment(s) in space provided.*
- C. KO immortalized renal epithelial cell lines:
 - Pkd1^{-/-}; TS-SV40 Large T mixed (primary and immortalized cells) or clonal (immortalized) cell lines*
 - Pkd2^{-/-}; TS-SV40 Large T mixed (primary and immortalized cells) or clonal (immortalized) cell lines*
- D. Inducible Conditional KO renal epithelial cell lines; with mTmG reporter (double fluorescent Cre-reporter: Cre activation changes membrane localized Tomato signal to GFP). **Primary cells only (Immortalized cells in production);**
 - Pax8rtTA; TetO-Cre; Pkd1^{cond/cond}; mTmG*
 - Pax8rtTA; TetO-Cre; Pkd2^{cond/cond}; mTmG*
- E. Custom Cell Engineering Project. *Describe what is desired in space provided.*

CORE E - CLINICAL & TRANSLATIONAL CORE

- A. Repository Specimens (In Process)
- B. Assistance with a PKD Clinical Research Proposal Including:
 - Protocol Design
 - GFR and Renal Volume Measurements
 - Participant Recruitment and Retention Strategies, biostatistics support

Please use the space below to explain in more detail what you need:

If you are requesting animals, please specify. Shipping Costs are the responsibility of the investigator.

Name of Shipping Coordinator: _____
Phone Number: _____
E-mail address: _____

Name of Shipping Veterinarian: _____
Phone Number: _____
E-mail address: _____

Expenses:

The funding provided by the Center applies to services and technical support provided by the Center Cores. In addition, the Center will provide expert advice and assistance with data analysis, as well as training in relevant techniques. Other expenses (such as animals, laboratory supplies, transportation etc.) are the responsibility of the primary investigator.

Acknowledgment of the Center:

We ask that you agree to acknowledge Baltimore Polycystic Kidney Disease (PKD) Research and Clinical Core Center, NIH P30DK090868 on any publications and/or grant applications using resources provided by the center. The following statement can be used: "Studies utilized resources provided by the NIDDK sponsored Baltimore Polycystic Kidney Disease Research and Clinical Core Center, P30 DK090868".

Please check the box below before submitting the request:

YES, I agree to acknowledge the Baltimore PKD Center on any publications and/or grant applications and provide the information to the Center.

The Center Director Dr. Terry Watnick can provide letters of Center resource availability, consultation or collaboration upon request.

If you are not a member of our Research Base, please attach, with this request form, a copy of your Biosketch in NIH format including Other Support. Also, please provide a brief summary of your proposed studies for which you are requesting use of the Center resources. Please include a description of the relevance to polycystic kidney disease research.
