Resource Summary Report

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Pittsburgh Center for Kidney Research Single Nephron and Metabolomics

RRID:SCR_015285
Type: Tool

Proper Citation

Pittsburgh Center for Kidney Research Single Nephron and Metabolomics (RRID:SCR_015285)

Resource Information

URL: http://www.kidneycenter.pitt.edu/cores/single_nephron_core.html

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Description: Core that offers functional (in vitro microperfusion of isolated segments, measurements of transepithelial ion/solute fluxes, fluorescence functional imaging of single tubular cells), biochemical (microassays of enzyme/transporter activity), molecular (quantitation and analysis of RNA and protein), and analytical (targeted renal metabolomics of interrelated networks of small molecules) strategies applied to microdissected tubules, single cells, and urinary exosomes to address relevant questions proposed by users. It also provides analytical services for determining concentrations of exogenous pharmacological agents and molecular probes achieved within the tissue of interest.

Resource Type: core facility, resource, access service resource, service resource

Keywords: single nephron, metabolomics, renal cells, cell analysis and function

Funding: NIDDK P30DK079307;
University of Pittsburgh School of Medicine; Pennsylvania; USA ;
Icahn School of Medicine at Mount Sinai; New York; USA

Availability: Available to the research community

Resource Name: Pittsburgh Center for Kidney Research Single Nephron and Metabolomics

Resource ID: SCR_015285

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Ratings and Alerts

No rating or validation information has been found for Pittsburgh Center for Kidney Research Single Nephron and Metabolomics .

No alerts have been found for Pittsburgh Center for Kidney Research Single Nephron and Metabolomics .

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.