I am a renal physiologist who explores how the body regulates salt concentration.

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I knew I wanted to be a scientist when...

In graduate school, I discovered some new things about how the heart controls the kidney’s ability to excrete (remove) salt. This feeling of discovering new information that no one had ever known before was thrilling and gives my career meaning.

To be a scientist, you need to:
1. Have passionate curiosity
2. Have the ability to problem solve and think critically
3. Have a broad familiarity with basic scientific knowledge
4. Be willing to try new things

One of my research questions:
Does endothelin (a peptide) directly change the ability of the renal glomerulus in the kidney to filter blood?

Technology I use:
I use mostly rats and some mice. We measure blood pressure 24 hours a day using a telemetry device attached to the animals.

My most exciting discovery:
Blocking the endothelin system (which helps control blood pressure) can help kidney disease patients.

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