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Keywords: vcscb SPRING seminar

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## Meeting Details

Start Date / Time	January 24, 2018 at 9:00 AM
End Date / Time	January 24, 2018 at 10:00 AM
Duration	1 hour(s)
Location	9455 MRB IV
Presenter Name	Lauren Woodard, Ph.D.
Presentation Title	Regenerating the kidney via transposon-based reprogramming to induced nephron progenitors
Status	This meeting has already occurred

## Meeting Agenda/Notes

Less than half of patients with acute kidney injury survive 90 days. In part this is because the adult mammalian kidney cannot make new nephrons, however, embryonic nephron progenitors are capable of forming all parts of the nephron. Direct reprogramming to an induced nephron progenitor state from human tubule cells will be described, including our inducible *piggyBac* transposon reprogramming strategy and dereplication of the transcription factors required (SIX1, EYA1, and SNAI2).