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**Email Subject:** Sigma Xi conference abstract and registration

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**Student Presenter(s) Names:**

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**Grade:** (ex: 3<sup>rd</sup> Year Undergraduate Student [U3] or 4<sup>th</sup> Year Graduate Student [G4])

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**Abstract Title:**

**As Attachment** (Please send in either “Word (.doc *or* docx)” or “RTF” format as an attachment.)

**Project Category:** (ex: Physics- Nuclear *or* Biochemistry- Carbohydrates)

**Title (Times New Roman, Bold, Size 12, with the first letter of key words capitalized)**

Presenter Name\*, Other Individuals, PI Name (Put a \* next to name of all presenters)

[Times New Roman, Size 12]

*Department Name, School Name, School City, School State (Times New Roman, Italics, Size 12)*

(Space)

Abstract (Times New Roman, Size 12, Justified; **250** words maximum)

**If more than one department, please put super-scripted numerals after each individual's name.**

Example:

**Chronic Renal Failure in Domestic Felines: Case Histories and Renal Morphology**

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Causes of feline renal failure include: diabetes, hyperthyroidism, urinary obstructions from urolith crystals, and infection. Renal function was monitored in domestic cats (*Felis silvestri catus*) with renal disease (N=42) and normal cats (N=10) by measurement of plasma creatinine and BUN, Using scanning electron microscopy (SEM), renal morphology was compared among healthy cats and those with renal disease using post-mortem samples. The samples were fixed in formaldehyde/glutaraldehyde, and then dehydrated in a standard graded alcohol series and critically point dried (at 31 C and 1072 psi) using an EMS 850 Critical Point Dryer. The specimens were mounted on aluminum stubs and coated with goldpalladium for 20 minutes using a Hummer 6.2 Sputter Coater on pulse mode. Observations were made using an ISI-SR 50 Scanning Electron Microscope. Pathological renal changes secondary to diabetes and hyperthyroidism were observed.