## Seminar

## Antimicrobial peptides and molecular knots Fabien B. L. Cougnon

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The reversibility of disulfide bonds is exploited by living organisms to control the structure and function of proteins and peptides. I will illustrate this observation by talking about human defensins 5 and 6 (HD5-6), small cysteinerich host-defense peptides, which are key contributors to innate immunity and provide the first line of defense for detection and response to microbial invasion. Taking inspiration from nature, I will show in the second part of my talk that the same principles can be applied to synthesize molecules that have remained extremely difficult to produce until now: molecular knots and links.

Monday, August 18th 2014

11:30 AM (Tea/Coffee at 11:15 AM)

Seminar Hall, TCIS