168th WPI-IIIS Seminar

Dragons, Sleep, and the Claustrum

The mammalian claustrum, owing to its widespread connectivity with other forebrain structures, has been hypothesized to mediate functions ranging from decision making to consciousness. We report that a homolog of the claustrum, identified by single-cell transcriptomics and viral tracing of connectivity, exists also in reptiles. There, it is intimately involved in the control of brain dynamics during sleep, such as the generation of sharp-waves, present during slow-wave sleep. It is also characterized by converging input from mid- and hindbrain areas involved in wake-sleep control. The claustrum is therefore an ancient brain structure, with a potentially important role in the widespread control of brain states consistent with its position as a hub in the forebrain.

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Date: **Thursday, January 14, 2021**
Time: **9:00 – 10:00**
Venue: **Join us online via Teams**

Register now! (deadline Jan. 12)
https://docs.google.com/forms/d/1mTRk2cTQNUijCAEnbCnt1jvC4V046mwbtOuqRzK5fnA/

＊Teams information will be sent to registered participants

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