

Neuroscience Seminar Series

Friday, June 30th, 2017 at 11:30

Salle des Conférences (R229)

Centre Universitaire des Saints-Pères

45 rue des Saints-Pères, 75006 Paris

Wolfgang Kummer

Professor

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The taste of infection

A peculiar cell type of the respiratory and gastrointestinal epithelia, originally termed “brush cell” or “tuft cell” by electron microscopists because of its apical tuft of microvilli, utilizes the canonical bitter taste transduction cascade known from oropharyngeal taste buds to detect potential hazardous compounds, e.g. bacterial products. Upon stimulation, this cell initiates protective reflexes and local inflammatory responses through release of acetylcholine and chemokines. The seminar talk will present yet unpublished data demonstrating direct responses to a novel class of bacterial products, paracrine cholinergic signalling, and dynamics of cell numbers and their role in bacterial infection.

Those interested in meeting with the speaker please contact
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