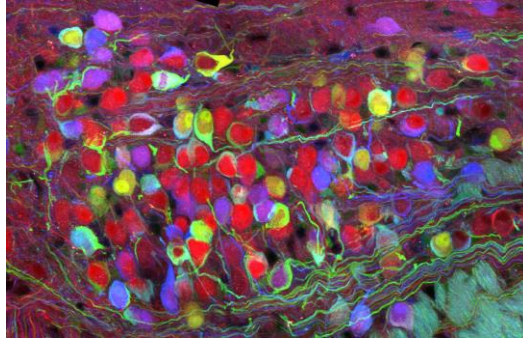




**Jean Livet – Institut de la Vision**



**Laboratoire de l'invité/Laboratory of the speaker:** Institut de la Vision

**Invité par/Invited by :** Jonathan Enriquez

**Date:** 30 Juin 2025

**Titre de la présentation/Title of the presentation**

**Topography and topology in a central sensory neuronal projection**

**Résumé/Short abstract**

In the vertebrate brain, sensory pathways interconnect successive neuronal relays over long distances with remarkable precision. Dense single-neuron tracing over large volumes is required for in-depth analysis of these circuits and their development. I will present efforts that we undertook for such connectomic mapping based on multicolor labeling and large volume microscopy, and their application in a central auditory relay to reveal its topographical and topological organization.

**Mini-CV/Short CV (+ Picture of you)**

Jean Livet did his PhD on motor neuron development at IBDM in Marseille. During his postdoc with Jeff W. Lichtman in the USA, he developed the Brainbow labeling approach for neural circuit analysis. Since 2008, he heads the team “neurogenesis and circuit development” at Institut de la Vision.

