



**Monday, 23th February - h 14:30**  
Seminars room, NICO

**Molecular fine-tuning in the perineuronal nets  
orchestrate plasticity and repair in the CNS**

**Jessica Kwok**

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PNNs are a layer of macromolecular complexes in which extracellular matrix molecules, polysaccharides (such as chondroitin sulphate proteoglycans and hyaluronan) and soluble proteins, form a compact layer of aggregates and anchor onto the neuronal surface.

Using biochemical, cell biology, together with functional studies, we have established the core molecular and structural components of the PNNs and demonstrated that manipulation of PNNs effectively increases plasticity in the adult CNS.

Host:  
**Daniela Carulli**

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