



Medically Relevant Experiments with Synchrotron Radiation

Online, registration via georg.schulz@unibas.ch
Wednesday, November 18, 2020, 16:00 - 17:00

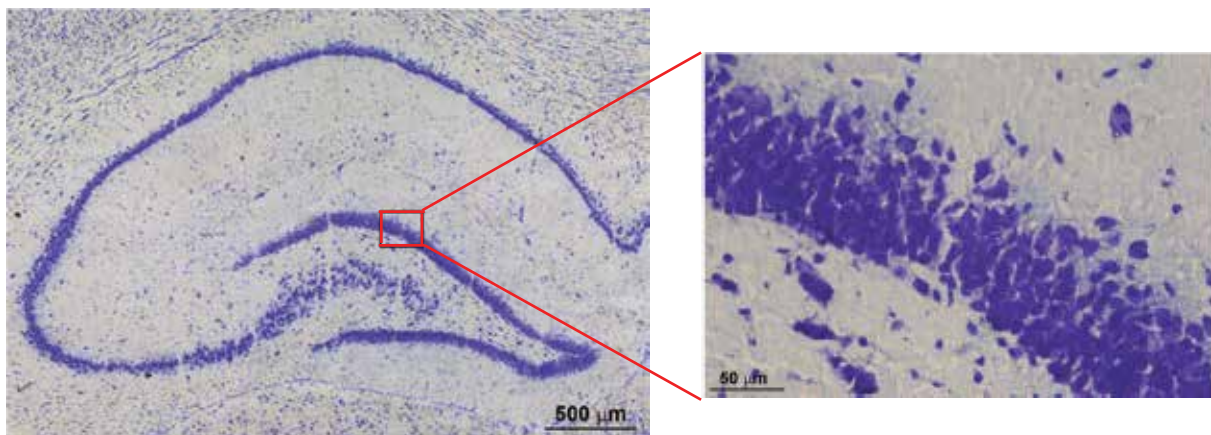
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after the seminar

Alberto Bravin

ESRF - The European Synchrotron, Grenoble, FR

Microbeam radiation therapy and radiosurgery

At the ESRF, a station for preclinical studies using high-dose-rate microbeams is made available for radiotherapy and radiation surgery. Multi-energy X-rays with a dose rate larger than 10,000 Gray/s are spatially fractionated in arrays of 25 to 600 μm spaced by 50 to 1200 μm and delivered with submillimeter precision. After a brief introduction, applications of microbeams in oncology, epilepsy and chronic pain treatments will be presented.



Host: Bert Müller

Organized by the PhD-Program in Biomedical Engineering

