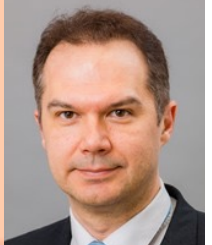


脳神経医学セミナー (来聴歓迎・事前登録不要)

In search of molecular regulators for stem cells
in the adult non-human primate brain

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日時 2023年4月6日木曜日 午後5時～6時
場所 金沢大学宝町キャンパス 医学図書館2階十全スタジオ
<http://square.umin.ac.jp/top/map/med-lib.pdf>



The adult brain hosts neural stem cells (NSCs) in restricted microenvironments called NSC niches including the anterior and inferior horns of the lateral ventricle (SVZa and SVZi). Cerebral ischemia can trigger uncommitted progenitor proliferation in both SVZa and SVZi, but neurogenesis occurs only in SVZa. We studied the transcriptional profiles of SVZa and SVZi following global cerebral ischemia to adult non-human primates. Our transcriptome analysis yielded new gene markers for primate progenitor cells, exemplified by the receptor of the small peptide apelin (APLNR, apelin receptor). We show a conserved APLNR expression pattern in humans and monkeys which differs to the pattern in rodents. APLNR is also widely expressed in human fetal SVZ cortical progenitors, thus representing a putative novel regulator of neurogenesis in primates.

医学専攻・博士課程専攻共通Up-to-dateセミナーおよび医学類選択科目・医学研究特設プログラム・最新医学研究、MR Tプログラムセミナーに認定します。

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