外国语言学及应用语言学研究中心论坛

How Second Language Learning Remodels the Human Brain

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时　间： 2017年11月13日（周一）

15:30

地　点： 北校区第六教学楼B103室

内容简介：

How does the learning of a second language (L2) impact the functional and structural changes in the brain when the brain is already dedicated to one's native language (L1)? How can we identify, predict, and promote rapid L2 learning-induced brain changes? While the mainstream cognitive neuroscience of language has focused on the learning and representation of L1, in recent years there has been a surge of interest in the L2mind and brain. In this talk, I ask how second language experience shapes functional and neuroanatomical changes, and present evidence from our short-term training or long-term longitudinal studiesof students who learn Chineseas their L2. With these studies we attempt to identify (a) how neurocognitive changes occur as a function of learning contexts (traditional vs. 3D virtual environment), (b) how such changes may capture learning success and effectiveness, and (c) whether the changes may be related to non-linguistic cognitive and spatial abilities. Findings from our studiesprovide insights into the understanding of neuroplasticity (e.g., how learning leads to domain-specific and domain-general brain changes), individual differences (e.g., how cognitive capacity impacts and predicts learning success), and knowledge representation (e.g., how neurocognitive patterns reflect knowledge and understandingin the L2).

主讲人简介：

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McDonald Pew 1992

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