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Titolo	The lateralized brain : the neuroscience and evolution of hemispheric asymmetries // Sebastian Ocklenburg, Onur Gunturkun
Pubbl/distr/stampa	London, England : , : Academic Press, , 2018 ©2018
ISBN	0-12-803453-X
Descrizione fisica	1 online resource (383 pages) : illustrations
Disciplina	612.825
Soggetti	Cerebral dominance Brain - Duality Brain - Anatomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Brain asymmetries: two millennia of speculation, research and discoveries -- 2. Evolution of asymmetries -- 3. The connected hemispheres: the role of the corpus callosum for hemispheric asymmetries -- 4. Language and the left hemisphere -- 5. Handedness and other behavioral asymmetries -- 6. Spatial attention, neglect, and the right hemisphere -- 7. Recognizing yourself and others: the role of the right hemisphere for face and self perception -- 8. Hemispheric asymmetries in emotion processing -- 9. Structural hemispheric asymmetries -- 10. Hemispheric asymmetries over the lifespan -- 11. Sex differences in hemispheric asymmetries -- 12. Altered hemispheric asymmetries in neurodevelopmental, psychiatric, and neurological disorders -- Glossary -- Index.
Sommario/riassunto	The Lateralized Brain: The Neuroscience and Evolution of Hemispheric Asymmetries is an up-to-date teaching resource for neuroscience faculty members that teach courses concerning hemispheric asymmetries. The book provides students with all relevant information on the subject, while also giving aspiring researchers in the field an up-to-date overview of relevant, previous work. It is ideal for courses on hemispheric asymmetries, that is, the functional or structural differences between the left and the right hemispheres of the brain,

and also highlights how the widespread use of modern neuroimaging techniques, such as fMRI and DTI has completely changed the way hemispheric asymmetries are currently investigated. --

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