

1. Record Nr.	UNINA9910137198503321
Autore	Judit Gervain
Titolo	Near-infrared spectroscopy : recent advances in infant speech perception and language acquisition research // Judit Gervain [topic editor]
Pubbl/distr/stampa	Frontiers Media SA, 2015 France : , : Frontiers Media SA, , 2015
ISBN	9782889194155
Descrizione fisica	1 online resource (118 pages) : illustrations; digital file(s)
Collana	Frontiers Research Topics
Disciplina	401/.93
Soggetti	Analytical Chemistry Chemistry Physical Sciences & Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Near-Infrared Spectroscopy (NIRS) is a novel and increasingly popular optical imaging technique that has revolutionised brain research in the youngest developmental populations. After nearly a decade of technological development, NIRS has become a reliable, easy-to-use and efficient tool to explore the linguistic and cognitive abilities of neonates and young infants, opening new vistas for the investigation of language acquisition and cognitive development. This Research Topic covers the latest advances in these areas brought about by NIRS imaging. The main focus is to highlight innovative and foundational studies that go beyond methodological issues and advance our theoretical understanding of infant and child development. Contributions from the pioneers of this method are selected, illustrating how NIRS has allowed developmental researchers to ask theoretically relevant questions that more traditional methods couldn't address. These works further our understanding of language and cognitive development and bring us closer to bridging the gap between brain, mind and behaviour at the very beginning of life.

