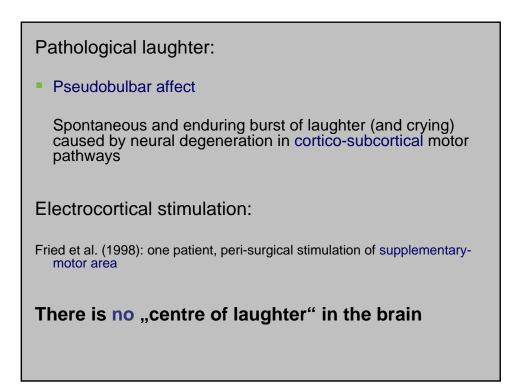
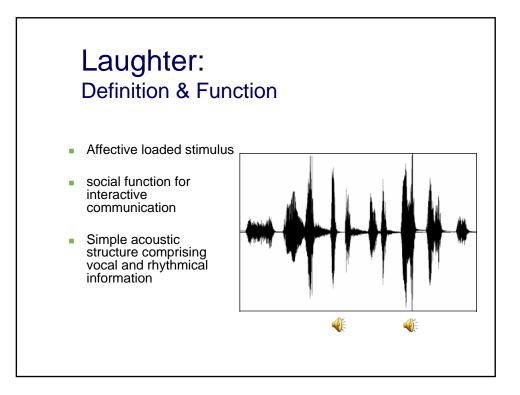
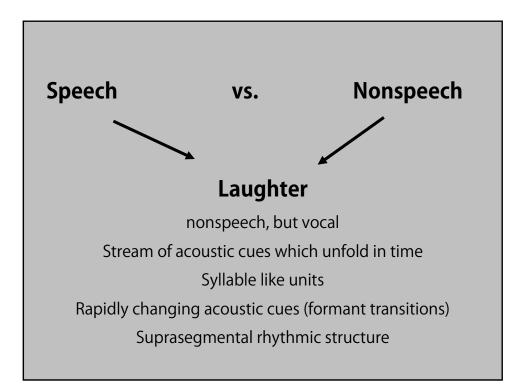
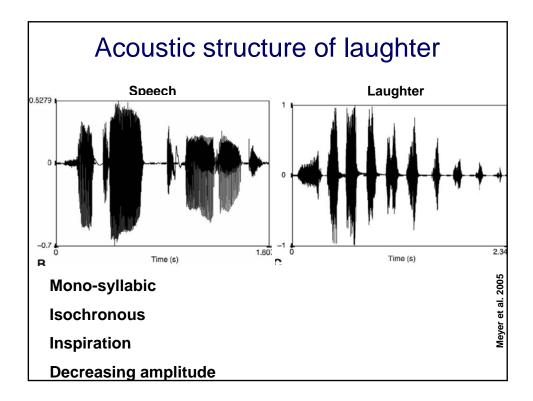


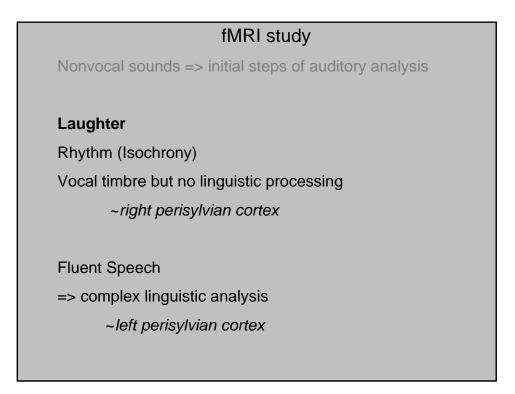
Aspects of laughter • Humour, sarcasm, irony privilege to adolescents and adults children and animals have no sense of humour • acoustic aspects of laughter (vocal timbre) • evolutionary aspects of laughter

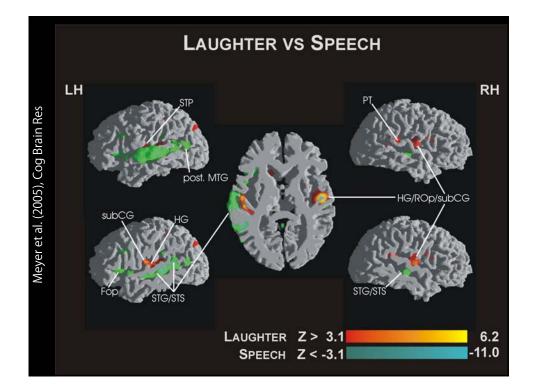


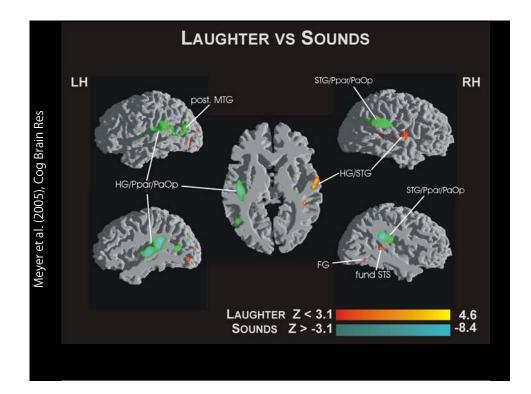




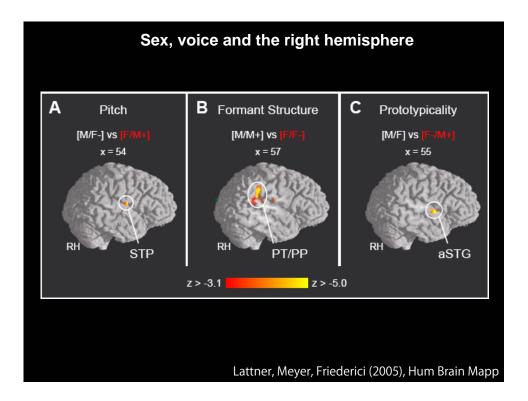


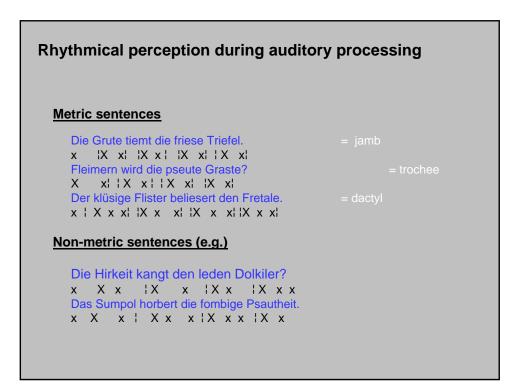


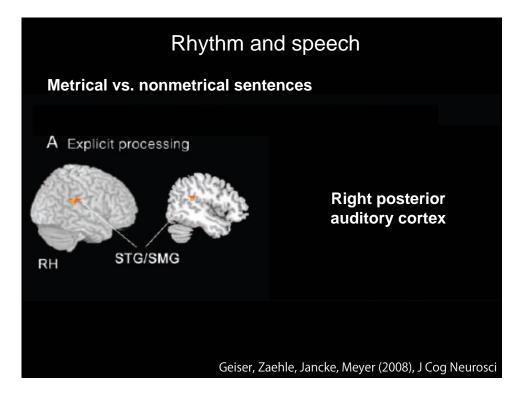


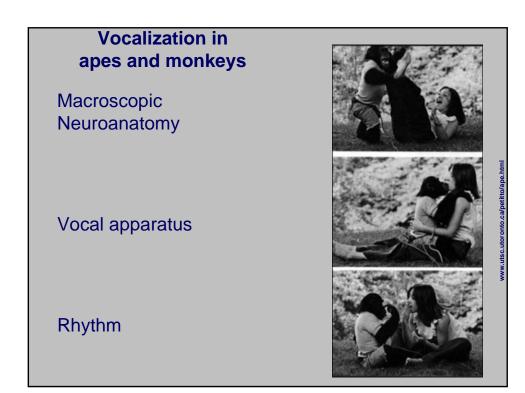


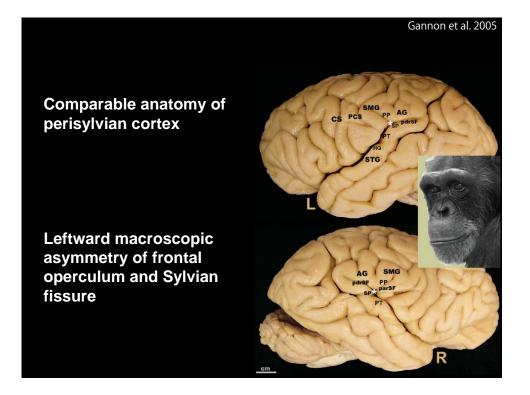
Results:
Laughter: peri-auditory (pSTG): acoustic and vocal suprasegmental cues
somatosensory (subCG): chest vibrations premotor (ROP): laryngeal control
Predominantly in the right hemisphere
Perception of laughter = no "emotional" responses !!
Laughter => fusiform gyrus (imagery of faces)
Laughter is "contagious" (overlap between perceptive and expressive circuits)

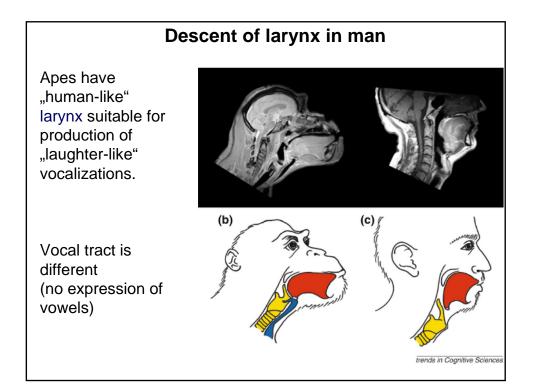












Vocalization in apes and monkeys

Macroscopic Neuroanatomy

Vocal apparatus

Limited understanding of intonational patterns

No sense of music



