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Thema: Monitoring and Control Processes During Learning

I will review work on the processes underlying the monitoring of one's own knowledge during the acquisition of new material, distinguishing between theory-based and experience-based processes. Some biases in judgments of learning (JOLs) elicited during study will be discussed. In particular, the fact that JOLs are made in the presence of information that will be absent but solicited during testing, is liable to instill a foresight bias -- a sense of competence during learning that proves unwarranted during testing. Results suggest that the foresight bias has behavioral consequences, resulting in a biased allocation of study time between items. It can be remedied by manipulations that either enhance learners' sensitivity to experiential cues or induce learners to resort to theory-based judgments.